

HP Storage Operations Manager

Software Version: 10.00
Linux® operating system

Content Pack for HP 3PAR Performance Statistics Universe Reference

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Acknowledgements

This product includes software developed by the Apache Software Foundation.
(<http://www.apache.org>)

This product includes software developed by the Indiana University Extreme! Lab.
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Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
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Universe Parameters

Definition

Name: SOM_HP3PARPerfReporting Universe

Description:

Connection: MA0.015234868198070628

General information

Created: 2/23/2015 by Administrator

Modified: 2/25/2015 by Administrator

Comments:

Statistics:

- 101 Classes
- 1890 Objects
- 39 Tables
- 0 Aliases
- 58 Joins
- 25 Contexts
- 14 Hierarchies
- 39 Conditions

Strategies

Join strategy: Edit Manually (none)

Table strategy: (Built-in) Standard

Object strategy: (Built-in) Standard Renaming

Controls

Limit size of result set to: unchecked

Limit size of long text objects to: 1000 characters

Limit execution time to: 10 minutes

Warn if cost estimate exceeds: unchecked

SQL parameters

Query

Allow use of subqueries: yes

Allow use of union, intersect and minus operators: yes

Allow complex conditions in Query Panel: yes

Cartesian products: warn

Multiple paths

Generate several SQL statements for each context: yes

Generate several SQL statements for each measure: yes

Allow selection of multiple contexts: no

Links

No links for this universe

Object Properties

Class:	SOM_HP3PARPerfReporting_Core
Description:	

No objects

Class:	HP 3PAR Storage System Performance Statistics
Description:	HP 3PAR Storage System Performance Statistics

No objects

Class:	HP3PARStorageSystem(HP 3PAR Storage System Statistics)
Description:	

Object:	SOM Source Name
Type:	Character
Description:	Name of the source SOM server
Select equivalent:	K_SE_StorageSystem.SEiSourceName
Where equivalent:	

Qualification:	dimension
List of values:	001, editable, manual refresh, not exportable
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	Tenant Name
Type:	Character
Description:	Tenant Name
Select equivalent:	K_SE_StorageSystem.TenantName
Where equivalent:	

Qualification:	dimension
List of values:	002, editable, manual refresh, not exportable
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object: Vendor
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 003, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Model
Type: Character
Description: Storage System Model Number
Select equivalent: K_SE_StorageSystem.Model
Where equivalent:

Qualification: dimension
List of values: 004, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Name
Type: Character
Description: Name of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemName
Where equivalent:

Qualification: dimension
List of values: 005, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Description
Type: Character
Description: Description about Storage System
Select equivalent: K_SE_StorageSystem.Description
Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 006, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Discovery Status
 Type: Character
 Description: The discovery status of the storage system such as
 CREATED, CONTACTED, MISSING, GENERIC
 Select equivalent: K_SE_StorageSystem.DiscoveryStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 007, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System IP Address
 Type: Character
 Description: IP Address of the Storage System
 Select equivalent: K_SE_StorageSystem.IPAddress
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 008, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System DNS
 Type: Character
 Description: DNS name of the Storage System
 Select equivalent: K_SE_StorageSystem.DNSName
 Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 009, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System WWN**
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00a, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System SerialNumber**
Type: Character
Description: Serial Number of the Storage System
Select equivalent: K_SE_StorageSystem.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00b, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System Status**
Type: Character
Description: Operational status of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00c, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Has Reset Capability?**
Type: Character
Description: Has Reset Capability (flag)
Select equivalent: K_SE_StorageSystem.HasResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Has Advanced Retention Management?**
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00e, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Cache Block Size**
Type: Number
Description: Cache Block Size
Select equivalent: K_SE_StorageSystem.CacheBlockSize
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Has Compliance Mode?**
Type: Character
Description: Has Compliance Mode (flag)
Select equivalent: K_SE_StorageSystem.HasComplianceMode
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Domain**
Type: Character
Description: Domain of the Storage System
Select equivalent: K_SE_StorageSystem.Domain
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Over Subscribed Capacity**
Type: Character
Description: Over Subscribed Capacity
Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Requested Capacity**
Type: Character
Description: Requested Capacity
Select equivalent: K_SE_StorageSystem.RequestedCapacity

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 00j, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Is Manageable?**
 Type: Character
 Description: Is Manageable
 Select equivalent: K_SE_StorageSystem.IsManageable
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 00k, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Volume Name Length**
 Type: Character
 Description: Maximum allowed length for Volume Names
 Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 00l, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Replication IP**
 Type: Character
 Description: Replication IP Address of the Storage System
 Select equivalent: K_SE_StorageSystem.ReplicationIP
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name

List of values: 00m, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Pools**
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00n, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Status**
Type: Character
Description: Replication Status of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00o, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage On Access**
Type: Character
Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00p, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Business Cost**
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00q, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DKC Microcode Version**
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00r, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Family**
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00s, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Hardware Version**
Type: Character

Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00t, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Identifying Descriptions
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Other Identifying Info
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00v, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Provider Tag
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00w, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent Name**
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00x, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent UUID**
Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 00y, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Power Management**
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 010, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Roles**
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 011, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Primary Owner Name**
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 012, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Primary Owner Contact**
Type: Character
Description: Primary Owner Contact of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 013, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Last Contacted Timestamp
Type: Date
Description: Shows the time stamp of when the storage system was last contacted
Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 014, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Management URL
Type: Character
Description: Management URL of the Storage System
Select equivalent: K_SE_StorageSystem.ManagementURL
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 015, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Custom Name
Type: Character
Description: Custom Name of the Storage System
Select equivalent: K_SE_StorageSystem.CustomName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 016, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Object Type
Type: Character

Description: Object Type
 Select equivalent: K_SE_StorageSystem.ObjectType
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 017, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System UUID
 Type: Character
 Description: UUID of the Storage System
 Select equivalent: K_SE_StorageSystem.UUID
 Where equivalent:

Qualification: dimension
 List of values: 018, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DATETIME(HP 3PAR Storage System Statistics)
Description:	

Object: Year
 Type: Number
 Description: Year
 Select equivalent: DATETIME.TIME_YEAR_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 019, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month
 Type: Character
 Description: Month Name first Three Characters
 Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
 Where equivalent:

Qualification: dimension
List of values: 01a, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Month Name
Type: Character
Description: Month Name
Select equivalent: DATETIME.TIME_MONTH_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Month
List of values: 01b, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day
Type: Number
Description: Day
Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
Where equivalent:

Qualification: dimension
List of values: 01c, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day Name
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 01d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 01e, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 01f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 01g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date

Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 01h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 01i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Weekday
Type: Character
Description: Time Is Weekday
Select equivalent: DATETIME.TIME_IS_WEEKDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 01j, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Boundary
Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension

List of values: 01k, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 01l, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Week Boundary
Type: Number
Description: Week Boundary
Select equivalent: DATETIME.WEEK_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 01m, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Month Boundary
Type: Number
Description: Month Boundary
Select equivalent: DATETIME.MONTH_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 01n, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Year Boundary

Type: Number
 Description: Year Boundary
 Select equivalent: DATETIME.YEAR_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 01o, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	Raw HP 3PAR Storage System Statistics
Description:	

Object: Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: SR_SE_3PAR_Stor_Sys_Stats.TotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average number of I/O operations in requests per second for reads and writes for the entire storage system.
 Select equivalent: SR_SE_3PAR_Stor_Sys_Stats.TotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly HP 3PAR Storage System Statistics
Description:	

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate at which data can be transmitted between devices for the entire

storage system
 Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.AVGTotallDataRate
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
 Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
 Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.MINTotalIORate
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
Type: Number
Description: Average of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: SH_SE_3PAR_Stor_Sys_Stats.AVGTotallIORate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Daily HP 3PAR Storage System Statistics
Description:	

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate at which data can be transmitted between devices for the entire storage system

Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate at which data can be transmitted between devices for the entire storage system

Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate at which data can be transmitted between devices for the entire storage system
Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.MINTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total I/O Rate (Req/Sec)
Type: Number
Description: Average of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
Select equivalent: SD_SE_3PAR_Stor_Sys_Stats.AVGTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class: HourlyOLAP-HP 3PAR Storage System Statistics Description:

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate at which data can be transmitted between devices for the entire storage system
Select equivalent: max(SH_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: min(SH_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: avg(SH_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number

Description: Maximum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: max(SH_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: min(SH_SE_3PAR_Stor_Sys_Stats.MINTotalIORate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total I/O Rate (Req/Sec)
Type: Number
Description: Average of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: avg(SH_SE_3PAR_Stor_Sys_Stats.AVGTotalIORate)
Where equivalent:

Qualification: measure
Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR Storage System Statistics
Description:	

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: max(SD_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate at which data can be transmitted between devices for the entire storage system
 Select equivalent: min(SD_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate at which data

a can be transmitted between devices for the entire storage system

Select equivalent: avg(SD_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: max(SD_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum of Average number of I/O operations in requests per second for reads and writes for the entire storage system.

Select equivalent: min(SD_SE_3PAR_Stor_Sys_Stats.MINTotalIORate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Average number of I/O operations in requests per second for reads and writes for the entire storage system.
 Select equivalent: avg(SD_SE_3PAR_Stor_Sys_Stats.AVGTotalIORate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR Storage Volume Performance Statistics
Description:	HP 3PAR Storage Volume Performance Statistics

No objects

Class:	HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)
Description:	

Object: SOM Source Name
 Type: Character
 Description: Name of the source SOM server
 Select equivalent: K_SE_StorageSystem.SEiSourceName
 Where equivalent:

Qualification: dimension
 List of values: 02t, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Tenant Name

Type: Character
Description: Tenant Name
Select equivalent: K_SE_StorageSystem.TenantName
Where equivalent:

Qualification: dimension
List of values: 02u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Vendor
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 02v, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Model
Type: Character
Description: Storage System Model Number
Select equivalent: K_SE_StorageSystem.Model
Where equivalent:

Qualification: dimension
List of values: 02w, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Name
Type: Character
Description: Name of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemName
Where equivalent:

Qualification: dimension
List of values: 02x, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Description
Type: Character
Description: Description about Storage System
Select equivalent: K_SE_StorageSystem.Description
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 02y, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Discovery Status
Type: Character
Description: The discovery status of the storage system such as
CREATED, CONTACTED, MISSING, GENERIC
Select equivalent: K_SE_StorageSystem.DiscoveryStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 030, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 031, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 032, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 033, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System SerialNumber
Type: Character
Description: Serial Number of the Storage System
Select equivalent: K_SE_StorageSystem.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 034, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Status
Type: Character
Description: Operational status of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 035, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Reset Capability?
Type: Character
Description: Has Reset Capability (flag)
Select equivalent: K_SE_StorageSystem.HasResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 036, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Advanced Retention Management?
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 037, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Cache Block Size
Type: Number
Description: Cache Block Size
Select equivalent: K_SE_StorageSystem.CacheBlockSize

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 038, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Has Compliance Mode?
 Type: Character
 Description: Has Compliance Mode (flag)
 Select equivalent: K_SE_StorageSystem.HasComplianceMode
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 039, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Domain
 Type: Character
 Description: Domain of the Storage System
 Select equivalent: K_SE_StorageSystem.Domain
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03a, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Over Subscribed Capacity
 Type: Character
 Description: Over Subscribed Capacity
 Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name

List of values: 03b, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Requested Capacity
 Type: Character
 Description: Requested Capacity
 Select equivalent: K_SE_StorageSystem.RequestedCapacity
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03c, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Is Manageable?
 Type: Character
 Description: Is Manageable
 Select equivalent: K_SE_StorageSystem.IsManageable
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03d, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Volume Name Length
 Type: Character
 Description: Maximum allowed length for Volume Names
 Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03e, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Replication IP**
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Pools**
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Status**
Type: Character
Description: Replication Status of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage On Access**
Type: Character

Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Business Cost**
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03j, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DKC Microcode Version**
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03k, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Family**
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03l, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Hardware Version**
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03m, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Identifying Descriptions**
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03n, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Other Identifying Info**
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03o, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Provider Tag**
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03p, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent Name**
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03q, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent UUID**
Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03r, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Power Management
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03s, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Roles
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03t, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Primary Owner Name
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Primary Owner Contact
Type: Character
Description: Primary Owner Contact of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03v, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Last Contacted Timestamp
 Type: Date
 Description: Shows the time stamp of when the storage system was last contacted
 Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03w, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Management URL
 Type: Character
 Description: Management URL of the Storage System
 Select equivalent: K_SE_StorageSystem.ManagementURL
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 03x, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Custom Name
 Type: Character
 Description: Custom Name of the Storage System
 Select equivalent: K_SE_StorageSystem.CustomName
 Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 03y, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Object Type**
Type: Character
Description: Object Type
Select equivalent: K_SE_StorageSystem.ObjectType
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 040, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Pool Name**
Type: Character
Description: Block Pool Name
Select equivalent: K_SE_Storage_Pool.SANPoolName
Where equivalent:

Qualification: dimension
List of values: 041, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Pool Description**
Type: Character
Description: Description about Block Pool
Select equivalent: K_SE_Storage_Pool.SANPoolDescription
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 042, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Parent Pool Name
Type: Character
Description: Parent Pool Name
Select equivalent: K_SE_Storage_Pool.ParentPoolName
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 043, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total Available Space (GB)
Type: Number
Description: Total Available Space in GB
Select equivalent: K_SE_Storage_Pool.TotalAvailableSpaceGB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 044, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total Available Space (GiB)
Type: Number
Description: Total Available Space in GiB
Select equivalent: K_SE_Storage_Pool.TotalAvailableSpaceGiB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 045, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage Capability Name

Type: Character
Description: Storage Capability Name
Select equivalent: K_SE_Storage_Pool.StorageCapabilityName
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 046, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage Capability Common Name
Type: Character
Description: Storage Capability Common Name
Select equivalent: K_SE_Storage_Pool.StorageCapabilityCommonName
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 047, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage Capability Description
Type: Character
Description: Storage Capability Description
Select equivalent: K_SE_Storage_Pool.StorageCapabilityDescription
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 048, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: No Single Point Of Failure
Type: Character
Description: No Single Point Of Failure
Select equivalent: K_SE_Storage_Pool.NoSinglePtOfFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 049, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default No Single Point Of Failure**
Type: Character
Description: Default No Single Point Of Failure
Select equivalent: K_SE_Storage_Pool.DefaultNoSinglePtOfFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04a, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Min Data Redundancy**
Type: Number
Description: Minimum Data Redundancy
Select equivalent: K_SE_Storage_Pool.MinDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04b, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Data Redundancy**
Type: Number
Description: Maximum Data Redundancy
Select equivalent: K_SE_Storage_Pool.MaxDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04c, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default Data Redundancy**
Type: Number
Description: Default Data Redundancy
Select equivalent: K_SE_Storage_Pool.DefaultDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Min Spindle Redundancy**
Type: Number
Description: Minimum Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.MinSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04e, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Spindle Redundancy**
Type: Number
Description: Maximum Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.MaxSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default Spindle Redundancy**
Type: Number
Description: Default Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.DefaultSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Min Delta Reservation**
Type: Number
Description: Minimum Delta Reservation
Select equivalent: K_SE_Storage_Pool.MinDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Delta Reservation**
Type: Number
Description: Maximum Delta Reservation
Select equivalent: K_SE_Storage_Pool.MaxDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default Delta Reservation**
Type: Number
Description: Default Delta Reservation

Select equivalent: K_SE_Storage_Pool.DefaultDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04j, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Space Limit (GB)
Type: Number
Description: Space Limit in GB
Select equivalent: K_SE_Storage_Pool.SpaceLimitGB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04k, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Space Limit (GiB)
Type: Number
Description: Space Limit in GiB
Select equivalent: K_SE_Storage_Pool.SpaceLimitGiB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 04l, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Space Limit Determination
Type: Number
Description: Space Limit Determination
Select equivalent: K_SE_Storage_Pool.SpaceLimitDetermination
Where equivalent:

Qualification: detail

Associated dimension name: Block Pool Name
 List of values: 04m, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Composition
 Type: Character
 Description: Shows type of pool like Internal, External, Hybrid
 Select equivalent: K_SE_Storage_Pool.Composition
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 04n, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Block Pool Type
 Type: Character
 Description: Block Pool type - Primordial, Concrete, Open, Mainframe, Snapshot, Reserved, Parent concrete ...
 Select equivalent: K_SE_Storage_Pool.SANPoolType
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 04o, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Block Volume Name
 Type: Character
 Description: Name of the Block Volume
 Select equivalent: K_SE_Storage_Volume.SANVolumeName
 Where equivalent:

Qualification: dimension
 List of values: 04p, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **OID**
Type: Character
Description: Unique Identifier for Block Volume
Select equivalent: K_SE_Storage_Volume.OID
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04q, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Volume Device ID**
Type: Character
Description: Block Volume Device ID
Select equivalent: K_SE_Storage_Volume.VolumeDeviceld
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04r, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Access Type**
Type: Character
Description: Block Volume Access Type
Select equivalent: K_SE_Storage_Volume.AccessType
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04s, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Block Size in Bytes**
Type: Number
Description: Block Volume Block Size in Bytes
Select equivalent: K_SE_Storage_Volume.BlockSize
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04t, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Number of Blocks**
Type: Number
Description: Number of blocks in Block Volume
Select equivalent: K_SE_Storage_Volume.NumberOfBlocks
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Volume Size Bytes**
Type: Number
Description: Source Block Volume Size in Bytes
Select equivalent: K_SE_Storage_Volume.VolumeSizeBytes
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04v, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Consumable Blocks**
Type: Number
Description: Number of consumable blocks in Block Volume

Select equivalent: K_SE_Storage_Volume.ConsumableBlocks
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04w, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Block Volume Consumed Blocks
Type: Number
Description: Actual consumed physical space of the volume. Note : This object only applicable for Block systems that support Thin Provisioning
Select equivalent: K_SE_Storage_Volume.ConsumedBlocks
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04x, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Is Thinly Provisioned?
Type: Character
Description: Indicates Whether Block Volume is Thinly Provisioned or not
Select equivalent: K_SE_Storage_Volume.IsThinlyProvisioned
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 04y, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Space (Bytes)
Type: Number
Description: Raw Space in Bytes that is

consumed by the Block volume from the underlying Block extents

Select equivalent: K_SE_Storage_Volume.RawSpace
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 050, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Space (GB)
Type: Number
Description: Raw Space in GB that is consumed by the Block volume from the underlying Block extents

Select equivalent: K_SE_Storage_Volume.RawSpaceGB
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 051, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Space (GiB)
Type: Number
Description: Raw Space in GiB that is consumed by the Block volume from the underlying Block extents

Select equivalent: K_SE_Storage_Volume.RawSpaceGiB
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 052, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: RAID Type
Type: Character
Description: RAID Type - A String representation of the RAID level and configuration of the underlying Block extent(s) that the volume is based on. E.g. 'RAID5(7D+1P)'.
Select equivalent: K_SE_Storage_Volume.RaidType
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 053, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Sequential Access?
Type: Character
Description: Indicates whether sequential access or not
Select equivalent: K_SE_Storage_Volume.SeqAccess
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 054, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Block Volume Availability
Type: Character
Description: Whether Block Volume is Available
Select equivalent: K_SE_Storage_Volume.Availability
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 055, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: **Status Information**
 Type: Character
 Description: Block Volume Status Information
 Select equivalent: K_SE_Storage_Volume.StatusInfo
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Volume Name
 List of values: 056, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Volume Type**
 Type: Character
 Description: Volume Type - {'Open','Mainframe', 'Mainframe Mapped' - Volume known to be mapped from FINCON or ESCO N port. EFile - Volume known to be mapped through a File port}
 Select equivalent: K_SE_Storage_Volume.VolumeType
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Volume Name
 List of values: 057, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Volume Purpose**
 Type: Character
 Description: Volume Purpose represents the Block Volume Emulation type for supported Block Arrays
 Select equivalent: K_SE_Storage_Volume.VolumePurpose
 Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 058, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Default Single Point of Failure
Type: Number
Description: Default Single Point of Failure for Block Volume
Select equivalent: K_SE_Storage_Volume.VolDfltSnglPtofFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 059, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume No Single Point of Failure
Type: Character
Description: No Single Point of Failure for Block Volume
Select equivalent: K_SE_Storage_Volume.VolNoSinglePointofFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05a, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Minimum Data Redundancy
Type: Number
Description: Minimum Data Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMinDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05b, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Volume Maximum Data Redundancy**
Type: Number
Description: Maximum Data Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMaxDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05c, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Volume Default Data Redundancy**
Type: Number
Description: Default Data Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolDefaultDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Volume Minimum Spindle Redundancy**
Type: Number
Description: Minimum Spindle Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMinSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05e, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Maximum Spindle Redundancy
Type: Number
Description: Maximum Spindle Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMaxSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Default Spindle Redundancy
Type: Number
Description: Default Spindle Redundancy for Block Volume
Select equivalent: K_SE_Storage_Volume.VolDefaultSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Minimum Delta Reservation
Type: Number
Description: Minimum Delta Reservation for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMinDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Volume Maximum Delta Reservation
Type: Number
Description: Maximum Delta Reservation for Block Volume
Select equivalent: K_SE_Storage_Volume.VolMaxDeltaReservation

Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Default Delta Reservation**
Type: Number
Description: Default Delta Reservation for Block Volume
Select equivalent: K_SE_Storage_Volume.DefaultDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05j, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Actual Blocks**
Type: Number
Description: Actual Number of Blocks
Select equivalent: K_SE_Storage_Volume.ActualBlocks
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05k, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Used Blocks**
Type: Number
Description: Number of Used Blocks
Select equivalent: K_SE_Storage_Volume.UsedBlocks
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name

List of values: 05l, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Controller Name**
Type: Character
Description: Controller Name
Select equivalent: K_SE_Storage_Volume.ControllerName
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05m, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Composition**
Type: Character
Description: Shows type of volume like Internal, External, Hybrid...
Select equivalent: K_SE_Storage_Volume.Composition
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05n, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume Description**
Type: Character
Description: Block Volume Description
Select equivalent: K_SE_Storage_Volume.Description
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05o, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage Capabilities**
Type: Character
Description: Storage Capabilities
Select equivalent: K_SE_Storage_Volume.StorageCapabilities
Where equivalent:

Qualification: detail
Associated dimension name: Block Volume Name
List of values: 05p, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System UUID**
Type: Character
Description: UUID of the Storage System
Select equivalent: K_SE_StorageSystem.UUID
Where equivalent:

Qualification: dimension
List of values: 05q, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Pool UUID**
Type: Character
Description: UUID of the Block Pool
Select equivalent: K_SE_Storage_Pool.SANPoolUUID
Where equivalent:

Qualification: dimension
List of values: 05r, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Volume UUID**
Type: Character
Description: UUID of the Block Volume
Select equivalent: K_SE_Storage_Volume.SANVolumeUUID

Where equivalent:

Qualification: dimension
 List of values: 05s, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DATETIME(HP 3PAR Storage Volume Statistics)
Description:	

Object: Year
 Type: Number
 Description: Year
 Select equivalent: DATETIME.TIME_YEAR_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 05t, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month
 Type: Character
 Description: Month Name first Three Characters
 Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
 Where equivalent:

Qualification: dimension
 List of values: 05u, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month Name
 Type: Character
 Description: Month Name
 Select equivalent: DATETIME.TIME_MONTH_NAME
 Where equivalent:

Qualification: detail
 Associated dimension name: Month

List of values: 05v, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Day
 Type: Number
 Description: Day
 Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 05w, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Day Name
 Type: Character
 Description: Day Name
 Select equivalent: DATETIME.TIME_DAY_NAME
 Where equivalent:

Qualification: detail
 Associated dimension name: Day
 List of values: 05x, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hour
 Type: Number
 Description: Hour
 Select equivalent: DATETIME.TIME_HOUR_ID
 Where equivalent:

Qualification: dimension
 List of values: 05y, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 060, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 061, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date
Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 062, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 063, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Weekday
Type: Character
Description: Time Is Weekday
Select equivalent: DATETIME.TIME_IS_WEEKDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 064, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Boundary
Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 065, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 066, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: hidden

Object: **Week Boundary**
 Type: Number
 Description: Week Boundary
 Select equivalent: DATETIME.WEEK_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 067, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: **Month Boundary**
 Type: Number
 Description: Month Boundary
 Select equivalent: DATETIME.MONTH_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 068, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: **Year Boundary**
 Type: Number
 Description: Year Boundary
 Select equivalent: DATETIME.YEAR_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 069, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	Raw HP 3PAR Storage Volume Statistics
Description:	

Object: **Write Data Rate (Bytes/Sec)**

Type: Number
Description: Write throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.WriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Read Data Rate (Bytes/Sec)
Type: Number
Description: Read throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.ReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total Data Rate (Bytes/Sec)
Type: Number
Description: Rate data is transmitted between devices
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.TotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Read Hit Rate (Req/Sec)
Type: Number
Description: Read cache hit rate (requests per second)
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.ReadHitRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Size (Bytes)
Type: Number
Description: Average read size of I/Os read
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Size (Bytes)
Type: Number
Description: Average write size of I/Os written
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgWriteSize
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: % Write I/Os
Type: Number
Description: Ratio of write I/Os to total I/Os
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.PctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Read I/Os
 Type: Number
 Description: Ratio of read I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.PctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Hit Rate
 Type: Number
 Description: Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.PctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Write I/O Rate (Req/Sec)
 Type: Number
 Description: Number of write requests per second
 Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.WriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Read I/O Rate (Req/Sec)
Type: Number
Description: Number of read requests per second
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.ReadRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total I/O Rate (Req/Sec)
Type: Number
Description: Number of read and write
I/O operations given in re
quests per second
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.TotalIORate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average I/O Response Time (ms)
Type: Number
Description: Average time to complete an I/O operation in milliseconds
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Response Time (ms)
Type: Number
Description: Average time to complete a read I/O operation in milliseconds
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgReadIORespTime
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Response Time (ms)
Type: Number
Description: Average time to complete a write I/O operation in milliseconds
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average % Busy
Type: Number
Description: Average time the storage system was busy
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgPercentBusy
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Queue Depth
Type: Number
Description: Average number of pending read and write I/O operations

Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.AvgQueueDepth
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Delta read hit I/Os (Req/Sec)
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.DeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Write I/Os (Req/Sec)
Type: Number
Description: Delta write I/Os (Req/Sec)
Select equivalent: SR_SE_3PAR_Stor_Vol_Stats.DeltaWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Hourly HP 3PAR Storage Volume Statistics
Description:	

Object: Maximum Write Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Write throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXWriteDataRate

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
Type: Number
Description: Maximum Read cache hit rate (requests per second)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
Type: Number

Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Read I/Os**
Type: Number
Description: Maximum Ratio of read I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXPctReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Minimum % Read I/Os**
Type: Number
Description: Minimum Ratio of read I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINPctReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum % Hit Rate**
Type: Number
Description: Maximum Ratio of read and
write cache hit rate to t
otal number of I/O operati
ons
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Minimum % Hit Rate**

Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINPctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number

Description: Average Number of write requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations

given in requests per second
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGTotallIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)

Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write I/O Response Time (ms)

Type: Number
Description: Average of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average % Busy

Type: Number
Description: Maximum of Average time the storage system was busy

Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average % Busy

Type: Number
Description: Minimum of Average time the storage system was busy

Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Queue Depth
Type: Number
Description: Maximum of Average number of pending read and write I/O operations
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Queue Depth
Type: Number
Description: Minimum of Average number of pending read and write I/O operations
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Queue Depth
Type: Number
Description: Average of Average number

of pending read and write
I/O operations

Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Maximum Delta read hit I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Minimum Delta read hit I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Average Delta read hit I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIOs
Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_Stor_Vol_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR Storage Volume Statistics
Description:	

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum Read Data Rate (Bytes/Sec)**
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Minimum Read Data Rate (Bytes/Sec)**
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Average Read Data Rate (Bytes/Sec)**
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
Type: Number
Description: Maximum Read cache hit rate (requests per second)
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number

Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hit Rate
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations

Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Hit Rate
Type: Number
Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINPctHitRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINWriteRate

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGTotallIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to
 complete an I/O operation
 in milliseconds
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to
 complete an I/O operation
 in milliseconds

Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average I/O Response Time (ms)
Type: Number
Description: Average of Average time t
o complete an I/O operati
on in milliseconds
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average
Read I/O Response Ti
me (ms)
Type: Number
Description: Maximum of Average time t
o complete a read I/O ope
ration in milliseconds
Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average

Read I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to complete a read I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Average of Average Read I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete a read I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Maximum of Average Write I/O Response Time (ms)

Type: Number

Description: Maximum of Average time to complete a write I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIOs
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP-HP 3PAR Storage Volume Statistics
Description:	

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number

Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXPctWriteIOs)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hit Rate**
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hit Rate**
 Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Write I/O Rate (Req/Sec)**
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINTotalIORate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to
 complete an I/O operation
 in milliseconds
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime)
 Where equivalent:
 Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds

Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average
Read I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a read I/O operation in milliseconds
Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds
Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average

Write I/O Response Time (ms)

Type: Number

Description: Maximum of Average time to complete a write I/O operation in milliseconds

Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime)

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Write I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to complete a write I/O operation in milliseconds

Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime)

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average Write I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete a write I/O operation in milliseconds

Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_Stor_Vol_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_Stor_Vol_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR Storage Volume Statistics
Description:	

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Write throughput rate (Bytes per second)
Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)

Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)

Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Write I/Os**
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Write I/Os**
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Read I/Os**
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Read I/Os**
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hit Rate**
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hit Rate**
 Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINPctHitRate)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)

Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation

Select equivalent: ration in milliseconds
 avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average
Write I/O Response T
ime (ms)**

Type: **Number**

Description: **Maximum of Average time t
o complete a write I/O ope
ration in milliseconds**

Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average
Write I/O Response T
ime (ms)**

Type: **Number**

Description: **Minimum of Average time t
o complete a write I/O ope
ration in milliseconds**

Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a write I/O operation in milliseconds
Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average % Busy
Type: Number
Description: Maximum of Average time the storage system was busy
Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average % Busy
Type: Number
Description: Minimum of Average time the storage system was busy
Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Queue Depth
Type: Number
Description: Maximum of Average number of pending read and write I/O operations
Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Queue Depth
Type: Number
Description: Minimum of Average number of pending read and write I/O operations
Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Queue Depth
Type: Number
Description: Average of Average number of pending read and write I/O operations
Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_Stor_Vol_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR Controller Performance Statistics
Description:	HP 3PAR Controller Performance Statistics

No objects

Class: HP3PARStorageProcess
or(HP 3PAR Controller
Statistics)

Description:

Object: SOM Source Name
Type: Character
Description: Name of the source SOM server
Select equivalent: K_SE_StorageSystem.SEiSourceName
Where equivalent:

Qualification: dimension
List of values: 0d9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Tenant Name
Type: Character
Description: Tenant Name
Select equivalent: K_SE_StorageSystem.TenantName
Where equivalent:

Qualification: dimension
List of values: 0da, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Vendor
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 0db, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Model

Type: Character
 Description: Storage System Model Number
 Select equivalent: K_SE_StorageSystem.Model
 Where equivalent:

Qualification: dimension
 List of values: 0dc, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Name
 Type: Character
 Description: Name of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemName
 Where equivalent:

Qualification: dimension
 List of values: 0dd, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Description
 Type: Character
 Description: Description about Storage System
 Select equivalent: K_SE_StorageSystem.Description
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0de, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Discovery Status
 Type: Character
 Description: The discovery status of the storage system such as
 CREATED, CONTACTED, MISSING, GENERIC
 Select equivalent: K_SE_StorageSystem.DiscoveryStatus

Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0df, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0dg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0dh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name

List of values: Odi, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System SerialNumber
 Type: Character
 Description: Serial Number of the Storage System
 Select equivalent: K_SE_StorageSystem.SerialNumber
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dj, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Status
 Type: Character
 Description: Operational status of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dk, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Has Reset Capability?
 Type: Character
 Description: Has Reset Capability (flag)
 Select equivalent: K_SE_StorageSystem.HasResetCapability
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dl, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Has Advanced Retention Management?
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odm, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Cache Block Size
Type: Number
Description: Cache Block Size
Select equivalent: K_SE_StorageSystem.CacheBlockSize
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odn, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Compliance Mode?
Type: Character
Description: Has Compliance Mode (flag)
Select equivalent: K_SE_StorageSystem.HasComplianceMode
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odo, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Domain
Type: Character

Description: Domain of the Storage System
Select equivalent: K_SE_StorageSystem.Domain
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0dp, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Over Subscribed Capacity
Type: Character
Description: Over Subscribed Capacity
Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0dq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Requested Capacity
Type: Character
Description: Requested Capacity
Select equivalent: K_SE_StorageSystem.RequestedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0dr, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Is Manageable?
Type: Character
Description: Is Manageable
Select equivalent: K_SE_StorageSystem.IsManageable
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Ods, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum Volume Name Length**
Type: Character
Description: Maximum allowed length for Volume Names
Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odt, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication IP**
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Pools**
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: Odv, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Replication Status**
 Type: Character
 Description: Replication Status of the Storage System
 Select equivalent: K_SE_StorageSystem.ReplicationStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dw, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Storage On Access**
 Type: Character
 Description: Storage On Access (flag)
 Select equivalent: K_SE_StorageSystem.StorageOnAccess
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dx, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Business Cost**
 Type: Number
 Description: Business Cost of the Storage System
 Select equivalent: K_SE_StorageSystem.BusinessCost
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0dy, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: DKC Microcode Version
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e0, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Family
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hardware Version
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Identifying Descriptions
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0e3, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Other Identifying Info**
 Type: Character
 Description: Other Identifying Info for the Storage System
 Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0e4, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Provider Tag**
 Type: Character
 Description: Provider Tag of the Storage System
 Select equivalent: K_SE_StorageSystem.ProviderTag
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0e5, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Parent Name**
 Type: Character
 Description: Parent Name for a File System Node/Virtual Server
 Select equivalent: K_SE_StorageSystem.ParentName
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name

List of values: 0e6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent UUID**
Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Power Management**
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Roles**
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0e9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Primary Owner Name
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ea, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Primary Owner Contact
Type: Character
Description: Primary Owner Contact of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0eb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Last Contacted Timestamp
Type: Date
Description: Shows the time stamp of when the storage system was last contacted
Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ec, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Management URL
Type: Character
Description: Management URL of the Storage System
Select equivalent: K_SE_StorageSystem.ManagementURL
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ed, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Custom Name
Type: Character
Description: Custom Name of the Storage System
Select equivalent: K_SE_StorageSystem.CustomName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ee, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Object Type
Type: Character
Description: Object Type
Select equivalent: K_SE_StorageSystem.ObjectType
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ef, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Block Processor Name
Type: Character
Description: Name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.SANProcessorName

Where equivalent:

Qualification: dimension
 List of values: 0eg, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Processor Vendor**
 Type: Character
 Description: Vendor Name of Block System Processor
 Select equivalent: K_SE_Storage_Processor.Vendor
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Processor Name
 List of values: 0eh, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Description**
 Type: Character
 Description: Description of the Block System Processor
 Select equivalent: K_SE_Storage_Processor.Description
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Processor Name
 List of values: 0ei, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **IP Address**
 Type: Character
 Description: IP Address of the Block System Processor
 Select equivalent: K_SE_Storage_Processor.IPAddress
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Processor Name
 List of values: 0ej, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DNS**
Type: Character
Description: DNS name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0ek, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **WWN**
Type: Character
Description: World Wide Name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0el, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Processor Model**
Type: Character
Description: Model name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Model
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0em, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage Processor Power Management
Type: Character
Description: Indicates whether Power management is supported or not on the Block System Processor
Select equivalent: K_SE_Storage_Processor.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: On, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Serial Number
Type: Character
Description: Serial Number of the Block System Processor
Select equivalent: K_SE_Storage_Processor.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: On, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Version
Type: Character
Description: Version of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Version
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: On, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Processor Status**
Type: Character
Description: Status of the Block System Processor
Select equivalent: K_SE_Storage_Processor.ProcessorStatus
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0eq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Reset Capability**
Type: Character
Description: Reset Capability of the Block System Processor
Select equivalent: K_SE_Storage_Processor.ResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0er, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Processor Roles**
Type: Character
Description: Roles of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0es, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System UUID**
Type: Character
Description: UUID of the Storage System
Select equivalent: K_SE_StorageSystem.UUID

Where equivalent:

Qualification: dimension
 List of values: 0et, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Processor UUID**
 Type: Character
 Description: UUID of the Block Processor
 Select equivalent: K_SE_Storage_Processor.SANProcessorUUID
 Where equivalent:

Qualification: dimension
 List of values: 0eu, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DATETIME(HP 3PAR Controller Statistics)
Description:	

Object: **Year**
 Type: Number
 Description: Year
 Select equivalent: DATETIME.TIME_YEAR_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 0ev, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Month**
 Type: Character
 Description: Month Name first Three Characters
 Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
 Where equivalent:

Qualification: dimension
 List of values: 0ew, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Month Name**
Type: Character
Description: Month Name
Select equivalent: DATETIME.TIME_MONTH_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Month
List of values: 0ex, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Day**
Type: Number
Description: Day
Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
Where equivalent:

Qualification: dimension
List of values: 0ey, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Day Name**
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 0f0, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 0f1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0f2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0f3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date
Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 0f4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0f5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Weekday
Type: Character
Description: Time Is Weekday
Select equivalent: DATETIME.TIME_IS_WEEKDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0f6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Boundary
Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0f7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0f8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Week Boundary
Type: Number
Description: Week Boundary
Select equivalent: DATETIME.WEEK_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0f9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Month Boundary
Type: Number
Description: Month Boundary
Select equivalent: DATETIME.MONTH_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0fa, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Year Boundary
Type: Number
Description: Year Boundary
Select equivalent: DATETIME.YEAR_BOUNDARY

Where equivalent:

Qualification: dimension
 List of values: 0fb, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	Raw HP 3PAR Controller Statistics
Description:	

Object: % Read I/Os
 Type: Number
 Description: Ratio of read I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.PctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Write I/Os
 Type: Number
 Description: Ratio of write I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.PctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Size (Bytes)
 Type: Number
 Description: Average read size of I/Os read
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.AvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Size (Bytes)
 Type: Number
 Description: Average write size of I/Os written
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.AvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: I/O Response Time (ms)
 Type: Number
 Description: Time to complete an I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.IOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Hits
 Type: Number
 Description: Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.PctHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Queue Depth**
 Type: Number
 Description: Average number of pending read and write I/O operations
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.QueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Read throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.ReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Read I/O Rate (Req/Sec)**
 Type: Number
 Description: Number of read requests per second
 Select equivalent: SR_SE_3PAR_Cntrlr_Stats.ReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Service Time (ms)
Type: Number
Description: Average service time since the system start time, for all read and write I/O operations in milliseconds
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.ServiceTime
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total Data Rate (Bytes/Sec)
Type: Number
Description: Rate data is transmitted between devices
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.TotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total I/O Rate (Req/Sec)
Type: Number
Description: Number of read and write I/O operations given in requests per second
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.TotalIORate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: % Utilization
Type: Number
Description: Utilization rate of the storage system processes
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.Utilization
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write Data Rate (Bytes/Sec)
Type: Number
Description: Write throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.WriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write Hit Rate (Req/Sec)
Type: Number
Description: The cumulative count of Write Cache Hits (Writes that went directly to Cache)
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.WriteHitRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write I/O Rate (Req/Sec)
Type: Number
Description: Number of write requests per second
Select equivalent: SR_SE_3PAR_Cntrlr_Stats.WriteRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class: Hourly HP 3PAR Controller Statistics Description:

Object: Maximum % Read I/Os
Type: Number
Description: Maximum Ratio of read I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXPctReadI/Os
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Read I/Os
Type: Number
Description: Minimum Ratio of read I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINPctReadI/Os
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Write I/Os
Type: Number
Description: Maximum Ratio of write I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXPctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Write I/Os
Type: Number
Description: Minimum Ratio of write I/Os to total I/Os
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINPctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Read Size (Bytes)
Type: Number
Description: Minimum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINAvgReadSize

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum I/O Response Time (ms)
 Type: Number
 Description: Maximum Time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum I/O Response Time (ms)
 Type: Number
 Description: Minimum Time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
Type: Number
Description: Average Time to complete an I/O operation in milliseconds
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Hits
Type: Number
Description: Maximum Percentage of read and write cache hit rate to total number of I/O operations
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXPctHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Hits
Type: Number
Description: Minimum Percentage of read and write cache hit rate to total number of I/O operations
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINPctHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Queue Depth**
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Queue Depth**
 Type: Number
 Description: Average of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read requests per second
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXReadRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINReadRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGReadRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Service Time (ms)
Type: Number

Description: Maximum The service time since the system start time, for all read and write I/O operations in milliseconds

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXServiceTime

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Service Time (ms)

Type: Number

Description: Minimum The service time since the system start time, for all read and write I/O operations in milliseconds

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINServiceTime

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average Service Time (ms)

Type: Number

Description: Average The service time since the system start time, for all read and write I/O operations in milliseconds

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGServiceTime

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum Total Data Rate (Bytes/Sec)**
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Minimum Total Data Rate (Bytes/Sec)**
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Average Total Data Rate (Bytes/Sec)**
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum of Number of read
and write I/O operations
given in requests per second

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum of Number of read
and write I/O operations
given in requests per second

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total I/O Rate (Req/Sec)
Type: Number
Description: Average of Number of read
and write I/O operations
given in requests per second

Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGTotalIORate
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Utilization**
 Type: Number
 Description: Maximum Utilization rate of the storage system processes
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXUtilization
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Utilization**
 Type: Number
 Description: Minimum Utilization rate of the storage system processes
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINUtilization
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Write Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXWriteHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Hit Rate (Req/Sec)
Type: Number
Description: Minimum of the cumulative
count of Write Cache Hits
(Writes that went directl
y to Cache)
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINWriteHitRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Hit Rate (Req/Sec)
Type: Number
Description: Average of the cumulative
count of Write Cache Hits
(Writes that went directl
y to Cache)
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGWriteHitRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MAXWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SH_SE_3PAR_Cntrlr_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR Controller Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)

Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum I/O Response Time (ms)
 Type: Number
 Description: Maximum Time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum I/O Response Time (ms)
 Type: Number
 Description: Minimum Time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average Time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hits
 Type: Number
 Description: Maximum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXPctHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hits**
 Type: Number
 Description: Minimum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINPctHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Queue Depth**
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINQueueDepth
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Service Time (ms)
 Type: Number
 Description: Maximum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXServiceTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Service Time (ms)
 Type: Number
 Description: Minimum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINServiceTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Service Time (ms)
 Type: Number
 Description: Average of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGServiceTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Total I/O Rate (Req/Sec)**
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Total I/O Rate (Req/Sec)**
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGTotallIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Utilization
 Type: Number
 Description: Maximum Utilization rate of the storage system processes
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXUtilization
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Utilization
 Type: Number
 Description: Minimum Utilization rate of the storage system processes
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINUtilization
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Hit Rate (Req/Sec)
Type: Number
Description: Maximum of the cumulative count of Write Cache Hits (Writes that went directly to Cache)
Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXWriteHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write Hit Rate (Req/Sec)
Type: Number
Description: Minimum of the cumulative count of Write Cache Hits (Writes that went directly to Cache)
Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINWriteHitRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Hit Rate (Req/Sec)
Type: Number
Description: Average of the cumulative count of Write Cache Hits (Writes that went directly to Cache)
Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGWriteHitRate
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SD_SE_3PAR_Cntrlr_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Class:	HourlyOLAP-HP 3PAR Controller Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
Type: Number
Description: Minimum Ratio of write I/Os to total I/Os
Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINPctWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXAvgReadSize)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Read Size (Bytes)
Type: Number
Description: Minimum of Average read size of I/Os read
Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINAvgReadSize)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read Size (Bytes)
Type: Number

Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum I/O Response Time (ms)
 Type: Number
 Description: Maximum Time to complete an I/O operation in milliseconds
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum I/O Response Time (ms)
 Type: Number
 Description: Minimum Time to complete an I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average Time to complete an I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hits**
 Type: Number
 Description: Maximum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXPctHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hits**
 Type: Number
 Description: Minimum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINPctHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Service Time (ms)
 Type: Number
 Description: Maximum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXServiceTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Service Time (ms)
 Type: Number
 Description: Minimum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINServiceTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Service Time (ms)
 Type: Number
 Description: Average of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGServiceTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Utilization
 Type: Number
 Description: Maximum Utilization rate of the storage system processes
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXUtilization)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Utilization**
 Type: Number
 Description: Minimum Utilization rate of the storage system processes
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINUtilization)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Write Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Write Data Rate (Bytes/Sec)**
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXWriteHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINWriteHitRate)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Hit Rate (Req/Sec)
 Type: Number
 Description: Average of the cumulative count of Write Cache Hits (Writes that went directly to Cache)
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGWriteHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SH_SE_3PAR_Cntrlr_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SH_SE_3PAR_Cntrlr_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_Cntrlr_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR Controller Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Write I/Os**
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Write I/Os**
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average Read Size (Bytes)**
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written

Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINAvgWriteSize)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write Size (Bytes)
Type: Number
Description: Average of Average write size of I/Os written
Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGAvgWriteSize)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum I/O Response Time (ms)
Type: Number
Description: Maximum Time to complete an I/O operation in milliseconds
Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum I/O Response Time (ms)
Type: Number
Description: Minimum Time to complete an I/O operation in milliseconds
Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINIOResponseTime)
Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average Time to complete an I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hits
 Type: Number
 Description: Maximum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXPctHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Hits
 Type: Number
 Description: Minimum Percentage of read and write cache hit rate to total number of I/O operations
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINPctHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Queue Depth**
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Queue Depth**
 Type: Number
 Description: Average of Average number of pending read and write I/O operations

Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGReadDataRate)
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Service Time (ms)
 Type: Number
 Description: Maximum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXServiceTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Service Time (ms)
 Type: Number
 Description: Minimum of The service time since the system start time, for all read and write I/O operations in milliseconds
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINServiceTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Service Time (ms)
 Type: Number
 Description: Average of The service time since the system start time, for all read and write I/O operations in milliseconds

Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGServiceTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGTotalDataRate)
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second

Select equivalent: nd
 avg(SD_SE_3PAR_Cntrlr_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Utilization
 Type: Number
 Description: Maximum Utilization rate of the storage system processes
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXUtilization)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Utilization
 Type: Number
 Description: Minimum Utilization rate of the storage system processes
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINUtilization)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXWriteHitRate)
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINWriteHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Hit Rate (Req/Sec)
 Type: Number
 Description: Average of the cumulative
 count of Write Cache Hits
 (Writes that went directl
 y to Cache)
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGWriteHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SD_SE_3PAR_Cntrlr_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SD_SE_3PAR_Cntrlr_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SD_SE_3PAR_Cntrlr_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR Disk Performance Statistics
Description:	HP 3PAR Disk Performance Statistics

No objects

Class:	HP3PARDiskDrive(HP 3PAR Disk Statistics)
Description:	

Object: SOM Source Name

Type: Character
 Description: Name of the source SOM server
 Select equivalent: K_SE_StorageSystem.SEiSourceName
 Where equivalent:

Qualification: dimension
 List of values: 017, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Tenant Name
 Type: Character
 Description: Tenant Name
 Select equivalent: K_SE_StorageSystem.TenantName
 Where equivalent:

Qualification: dimension
 List of values: 018, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Vendor
 Type: Character
 Description: Storage system vendor name
 Select equivalent: K_SE_StorageSystem.Vendor
 Where equivalent:

Qualification: dimension
 List of values: 019, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Model
 Type: Character
 Description: Storage System Model Number
 Select equivalent: K_SE_StorageSystem.Model
 Where equivalent:

Qualification: dimension
 List of values: 01a, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Storage System Name**
 Type: Character
 Description: Name of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemName
 Where equivalent:

Qualification: dimension
 List of values: 0lb, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Storage System Description**
 Type: Character
 Description: Description about Storage System
 Select equivalent: K_SE_StorageSystem.Description
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0lc, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Storage System Discovery Status**
 Type: Character
 Description: The discovery status of the storage system such as
 CREATED, CONTACTED, MISSING, GENERIC
 Select equivalent: K_SE_StorageSystem.DiscoveryStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0ld, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0le, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System SerialNumber

Type: Character
Description: Serial Number of the Storage System
Select equivalent: K_SE_StorageSystem.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Status
Type: Character
Description: Operational status of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0li, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Reset Capability?
Type: Character
Description: Has Reset Capability (flag)
Select equivalent: K_SE_StorageSystem.HasResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Advanced Retention Management?
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0lk, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Cache Block Size**
 Type: Number
 Description: Cache Block Size
 Select equivalent: K_SE_StorageSystem.CacheBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0ll, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Has Compliance Mode?**
 Type: Character
 Description: Has Compliance Mode (flag)
 Select equivalent: K_SE_StorageSystem.HasComplianceMode
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0lm, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Domain**
 Type: Character
 Description: Domain of the Storage System
 Select equivalent: K_SE_StorageSystem.Domain
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0ln, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Over Subscribed Capacity
Type: Character
Description: Over Subscribed Capacity
Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lo, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Requested Capacity
Type: Character
Description: Requested Capacity
Select equivalent: K_SE_StorageSystem.RequestedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lp, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Is Manageable?
Type: Character
Description: Is Manageable
Select equivalent: K_SE_StorageSystem.IsManageable
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum Volume Name Length**
Type: Character
Description: Maximum allowed length for Volume Names
Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lr, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication IP**
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ls, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Pools**
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lt, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Status**
Type: Character
Description: Replication Status of the Storage System

Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage On Access**
Type: Character
Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Business Cost**
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0lw, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DKC Microcode Version**
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
List of values: 0lx, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Family
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ly, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hardware Version
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m0, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Identifying Descriptions
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Other Identifying Info
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Provider Tag
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent Name
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent UUID

Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Power Management**
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Roles**
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0m7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Primary Owner Name**
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0m8, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Primary Owner Contact
 Type: Character
 Description: Primary Owner Contact of Storage System
 Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0m9, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Last Contacted Timestamp
 Type: Date
 Description: Shows the time stamp of when the storage system was last contacted
 Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0ma, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Management URL
 Type: Character
 Description: Management URL of the Storage System
 Select equivalent: K_SE_StorageSystem.ManagementURL
 Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
List of values: 0mb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Custom Name
Type: Character
Description: Custom Name of the Storage System
Select equivalent: K_SE_StorageSystem.CustomName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0mc, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Object Type
Type: Character
Description: Object Type
Select equivalent: K_SE_StorageSystem.ObjectType
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0md, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Name
Type: Character
Description: Name of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.DiskDriveName
Where equivalent:

Qualification: dimension
List of values: 0me, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Vendor
Type: Character
Description: Vendor name of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.Vendor
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Description
Type: Character
Description: Description of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.Description
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Model
Type: Character
Description: Model name of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.Model
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Serial Number
Type: Character

Description: Serial Number of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mi, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive Hardware Version
Type: Character
Description: Hardware Version of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.SDDHardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: SCSI BUS
Type: Character
Description: SCSI bus of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.SCSIBUS
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: SCSI LUN
Type: Character
Description: SCSI LUN of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.SCSILUN
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0ml, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **SCSI Port**
Type: Character
Description: SCSI port of the disk drive
Select equivalent: K_SE_Storage_DiskDrive.SCSIPort
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mm, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Media Size in GiB**
Type: Number
Description: Maximum Media Size in GiB
uses 1024 i.e. base 2 when
converting values from bytes
to gigabytes
Select equivalent: K_SE_Storage_DiskDrive.MaxMediaSizeinGiB
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mn, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Media Size in GB**
Type: Number
Description: Maximum Media Size in GB
uses 1000 i.e. base 10 when
converting values from bytes
to gigabytes
Select equivalent: K_SE_Storage_DiskDrive.MaxMediaSizeinGB

Where equivalent:

Qualification: detail
 Associated dimension name: Disk Drive Name
 List of values: 0mo, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Max Block Size**
 Type: Number
 Description: Maximum Block Size in Bytes
 Select equivalent: K_SE_Storage_DiskDrive.MaxBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Disk Drive Name
 List of values: 0mp, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Min Block Size**
 Type: Number
 Description: Minimum Block Size in Bytes
 Select equivalent: K_SE_Storage_DiskDrive.MinBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Disk Drive Name
 List of values: 0mq, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Enable Status**
 Type: Character
 Description: Enable Status
 Select equivalent: K_SE_Storage_DiskDrive.EnableStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Disk Drive Name

List of values: 0mr, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Drive Type
Type: Character
Description: Type of Drive
Select equivalent: K_SE_Storage_DiskDrive.DriveType
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0ms, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Type
Type: Character
Description: Type of Disk
Select equivalent: K_SE_Storage_DiskDrive.DiskType
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mt, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Availability
Type: Character
Description: Availability
Select equivalent: K_SE_Storage_DiskDrive.Availability
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: RPM
Type: Character
Description: Revolutions per minute
Select equivalent: K_SE_Storage_DiskDrive.RPM
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Architecture
Type: Character
Description: Architecture
Select equivalent: K_SE_Storage_DiskDrive.Architecture
Where equivalent:

Qualification: detail
Associated dimension name: Disk Drive Name
List of values: 0mw, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System UUID
Type: Character
Description: UUID of the Storage System
Select equivalent: K_SE_StorageSystem.UUID
Where equivalent:

Qualification: dimension
List of values: 0mx, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Disk Drive UUID
Type: Character
Description: UUID of the Disk Drive

Select equivalent: K_SE_Storage_DiskDrive.DiskDriveUUID
Where equivalent:

Qualification: dimension
List of values: 0my, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DATETIME(HP 3PAR Disk Statistics)
Description:	

Object: Year
Type: Number
Description: Year
Select equivalent: DATETIME.TIME_YEAR_NUMBER
Where equivalent:

Qualification: dimension
List of values: 0n0, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Month
Type: Character
Description: Month Name first Three Characters
Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
Where equivalent:

Qualification: dimension
List of values: 0n1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Month Name
Type: Character
Description: Month Name
Select equivalent: DATETIME.TIME_MONTH_NAME
Where equivalent:

Qualification: detail

Associated dimension name: Month
List of values: 0n2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day
Type: Number
Description: Day
Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
Where equivalent:

Qualification: dimension
List of values: 0n3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day Name
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 0n4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 0n5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0n6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0n7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date
Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 0n8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY

Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0n9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Weekday
Type: Character
Description: Time Is Weekday
Select equivalent: DATETIME.TIME_IS_WEEKDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0na, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Boundary
Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0nb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0nc, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: hidden

Object: **Week Boundary**
Type: Number
Description: Week Boundary
Select equivalent: DATETIME.WEEK_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0nd, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: **Month Boundary**
Type: Number
Description: Month Boundary
Select equivalent: DATETIME.MONTH_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0ne, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: **Year Boundary**
Type: Number
Description: Year Boundary
Select equivalent: DATETIME.YEAR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0nf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Class:	Raw HP 3PAR Disk Statistics
Description:	

Object: % Write I/Os
 Type: Number
 Description: Ratio of write I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_Disk_Stats.PctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Read I/Os
 Type: Number
 Description: Ratio of read I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_Disk_Stats.PctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average time to complete an I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Queue Depth
 Type: Number
 Description: Average number of pending read and write I/O operations
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgQueueDepth

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Size (Bytes)
 Type: Number
 Description: Average read size of I/Os read
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Size (Bytes)
 Type: Number
 Description: Average write size of I/Os written
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Read throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_Disk_Stats.ReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read requests per second
 Select equivalent: SR_SE_3PAR_Disk_Stats.ReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Rate data is transmitted between devices
 Select equivalent: SR_SE_3PAR_Disk_Stats.TotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read and write
 I/O operations given in re
 quests per second
 Select equivalent: SR_SE_3PAR_Disk_Stats.TotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Write throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_Disk_Stats.WriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Write I/O Rate (Req/Sec)
 Type: Number
 Description: Number of write requests per second
 Select equivalent: SR_SE_3PAR_Disk_Stats.WriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Response Time (ms)
 Type: Number
 Description: Average time to complete a read I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Response Time (ms)
 Type: Number
 Description: Average time to complete a write I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average % Busy
 Type: Number
 Description: Average time the storage system was busy
 Select equivalent: SR_SE_3PAR_Disk_Stats.AvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly HP 3PAR Disk Statistics
Description:	

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os

Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average I/O Response Time (ms)
Type: Number
Description: Minimum of Average time t
o complete an I/O operati
on in milliseconds
Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average I/O Response Time (ms)
Type: Number
Description: Average of Average time t
o complete an I/O operati
on in milliseconds
Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Queue Depth
Type: Number
Description: Maximum of Average numbe

r of pending read and writ
 e I/O operations
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgQueueDepth
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgQueueDepth
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgQueueDepth
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)

Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: SH_SE_3PAR_Disk_Stats.MINReadRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: SH_SE_3PAR_Disk_Stats.AVGReadRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Disk_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices

Select equivalent: SH_SE_3PAR_Disk_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_Disk_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum of Number of read
and write I/O operations
given in requests per second
Select equivalent: SH_SE_3PAR_Disk_Stats.MAXTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum of Number of read
and write I/O operations

given in requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINTotalIORate
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGTotalIORate
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXWriteDataRate
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number

Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation

Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgReadIORespTime
 Where equivalent: ration in milliseconds

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgWriteIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average Write I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_Disk_Stats.AVGAvgWriteIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average % Busy

Type: Number

Description: Maximum of Average time the storage system was busy

Select equivalent: SH_SE_3PAR_Disk_Stats.MAXAvgPercentBusy

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: SH_SE_3PAR_Disk_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR Disk Statistics
Description:	

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: **Maximum % Read I/Os**
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Read I/Os**
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average I/O Response Time (ms)**
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete an I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete an I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Queue Depth
Type: Number
Description: Maximum of Average number of pending read and write I/O operations
Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgQueueDepth
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)

Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Total I/O Rate (Req/Sec)

Type: Number

Description: Average of Number of read
and write I/O operations
given in requests per second

Select equivalent: SD_SE_3PAR_Disk_Stats.AVGTotalIORate

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)

Type: Number

Description: Maximum Write throughput rate (Bytes per second)

Select equivalent: SD_SE_3PAR_Disk_Stats.MAXWriteDataRate

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)

Type: Number

Description: Minimum Write throughput rate (Bytes per second)

Select equivalent: SD_SE_3PAR_Disk_Stats.MINWriteDataRate

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_Disk_Stats.AVGWriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: SD_SE_3PAR_Disk_Stats.MAXWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: SD_SE_3PAR_Disk_Stats.MINWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number

Description: Average Number of write requests per second
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgReadIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete a write I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a write I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgWriteIORespTime
Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_Disk_Stats.AVGAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_Disk_Stats.MAXAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_Disk_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP-HP 3PAR Disk Statistics
Description:	

Object: **Maximum % Write I/Os**
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Write I/Os**
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Read I/Os**
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgIOResponseTime)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)

Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGTTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGTotallIORate)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
Read I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete a read I/O operation in milliseconds
Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average
Read I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a read I/O operation in milliseconds
Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds
Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgReadIORespTime)
Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time

Type: **me (ms)**
 Number
 Description: Average of Average time to complete a write I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_Disk_Stats.AVGAvgWriteIORespTime)
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average % Busy**
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SH_SE_3PAR_Disk_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average % Busy**
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SH_SE_3PAR_Disk_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR Disk Statistics
Description:	

Object: Maximum % Write I/Os
Type: Number
Description: Maximum Ratio of write I/Os to total I/Os
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXPctWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Write I/Os
Type: Number
Description: Minimum Ratio of write I/Os to total I/Os
Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINPctWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Read I/Os
Type: Number
Description: Maximum Ratio of read I/Os to total I/Os
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXPctReadIOs)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Read I/Os
Type: Number
Description: Minimum Ratio of read I/Os to total I/Os

Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINPctReadIOs)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete an I/O operation in milliseconds
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete an I/O operation in milliseconds
Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete an I/O operation in milliseconds

o complete an I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth

Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read

Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgReadSize)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write Size (Bytes)
Type: Number
Description: Maximum of Average write size of I/Os written
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgWriteSize)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write Size (Bytes)
Type: Number
Description: Minimum of Average write size of I/Os written
Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgWriteSize)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write Size (Bytes)
Type: Number
Description: Average of Average write size of I/Os written
Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgWriteSize)
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)

Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per seco

Select equivalent: nd
 max(SD_SE_3PAR_Disk_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per seco
 nd

Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per seco
 nd

Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGTotallIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Write throughput rate (Bytes per second)
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Write throughput rate (Bytes per second)
Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXWriteRate)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgReadIORespTime)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Write I/O Response Time (ms)

Type: ime (ms)
Number

Description: Maximum of Average time to complete a write I/O operation in milliseconds

Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to complete a write I/O operation in milliseconds

Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete a write I/O operation in milliseconds

Select equivalent: avg(SD_SE_3PAR_Disk_Stats.AVGAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SD_SE_3PAR_Disk_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SD_SE_3PAR_Disk_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR FC Port Performance Statistics
Description:	HP 3PAR FC Port Performance Statistics

No objects

Class:	HP3PARStoragePort(HP 3PAR FC Port Statistics)
Description:	

Object: SOM Source Name
 Type: Character
 Description: Name of the source SOM server
 Select equivalent: K_SE_StorageSystem.SEiSourceName

Where equivalent:

Qualification: dimension
List of values: 0t2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Tenant Name**
Type: Character
Description: Tenant Name
Select equivalent: K_SE_StorageSystem.TenantName
Where equivalent:

Qualification: dimension
List of values: 0t3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Vendor**
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 0t4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Model**
Type: Character
Description: Storage System Model Number
Select equivalent: K_SE_StorageSystem.Model
Where equivalent:

Qualification: dimension
List of values: 0t5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Name
Type: Character
Description: Name of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemName
Where equivalent:

Qualification: dimension
List of values: 0t6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Description
Type: Character
Description: Description about Storage System
Select equivalent: K_SE_StorageSystem.Description
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0t7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Discovery Status
Type: Character
Description: The discovery status of the storage system such as
CREATED, CONTACTED, MISSING, GENERIC
Select equivalent: K_SE_StorageSystem.DiscoveryStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0t8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0t9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ta, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System SerialNumber
Type: Character
Description: Serial Number of the Storage System
Select equivalent: K_SE_StorageSystem.SerialNumber

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0tc, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Storage System Status**
 Type: Character
 Description: Operational status of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0td, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Has Reset Capability?**
 Type: Character
 Description: Has Reset Capability (flag)
 Select equivalent: K_SE_StorageSystem.HasResetCapability
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0te, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Has Advanced Retention Management?**
 Type: Character
 Description: Has Advanced Retention Management (flag)
 Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name

List of values: 0tf, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Cache Block Size
 Type: Number
 Description: Cache Block Size
 Select equivalent: K_SE_StorageSystem.CacheBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0tg, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Has Compliance Mode?
 Type: Character
 Description: Has Compliance Mode (flag)
 Select equivalent: K_SE_StorageSystem.HasComplianceMode
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0th, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Domain
 Type: Character
 Description: Domain of the Storage System
 Select equivalent: K_SE_StorageSystem.Domain
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0ti, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Over Subscribed Capacity
Type: Character
Description: Over Subscribed Capacity
Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Requested Capacity
Type: Character
Description: Requested Capacity
Select equivalent: K_SE_StorageSystem.RequestedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Is Manageable?
Type: Character
Description: Is Manageable
Select equivalent: K_SE_StorageSystem.IsManageable
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tl, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Volume Name Length
Type: Character

Description: Maximum allowed length for Volume Names
Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tm, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication IP
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tn, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication Pools
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0to, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication Status
Type: Character
Description: Replication Status of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tp, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage On Access**
Type: Character
Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Business Cost**
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tr, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DKC Microcode Version**
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ts, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Family**
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tt, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Hardware Version**
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Identifying Descriptions**
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Other Identifying Info
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tw, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Provider Tag
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0tx, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent Name
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 0ty, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent UUID
Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID

Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u0, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Power Management**
 Type: Character
 Description: Power Management
 Select equivalent: K_SE_StorageSystem.PowerManagement
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u1, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Roles**
 Type: Character
 Description: Roles of the Storage System
 Select equivalent: K_SE_StorageSystem.Roles
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u2, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Primary Owner Name**
 Type: Character
 Description: Primary Owner Name of Storage System
 Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name

List of values: 0u3, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Primary Owner Contact
 Type: Character
 Description: Primary Owner Contact of Storage System
 Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u4, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Last Contacted Timestamp
 Type: Date
 Description: Shows the time stamp of when the storage system was last contacted
 Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u5, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Management URL
 Type: Character
 Description: Management URL of the Storage System
 Select equivalent: K_SE_StorageSystem.ManagementURL
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u6, editable, manual refresh, not exportable
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Custom Name**
 Type: Character
 Description: Custom Name of the Storage System
 Select equivalent: K_SE_StorageSystem.CustomName
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u7, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Object Type**
 Type: Character
 Description: Object Type
 Select equivalent: K_SE_StorageSystem.ObjectType
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 0u8, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Processor Name**
 Type: Character
 Description: Name of the Block System Processor
 Select equivalent: K_SE_Storage_Processor.SANProcessorName
 Where equivalent:

Qualification: dimension
 List of values: 0u9, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Processor Vendor**

Type: Character
Description: Vendor Name of Block System Processor
Select equivalent: K_SE_Storage_Processor.Vendor
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Oua, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Description**
Type: Character
Description: Description of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Description
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Oub, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **IP Address**
Type: Character
Description: IP Address of the Block System Processor
Select equivalent: K_SE_Storage_Processor.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Ouc, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DNS**
Type: Character
Description: DNS name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Oud, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: WWN
Type: Character
Description: World Wide Name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Oue, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Block Processor Model
Type: Character
Description: Model name of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Model
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Ouf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage Processor Power Management
Type: Character
Description: Indicates whether Power management is supported or not on the Block System Processor
Select equivalent: K_SE_Storage_Processor.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0ug, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Serial Number**
Type: Character
Description: Serial Number of the Block System Processor
Select equivalent: K_SE_Storage_Processor.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0uh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Version**
Type: Character
Description: Version of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Version
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0ui, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Processor Status**
Type: Character
Description: Status of the Block System Processor
Select equivalent: K_SE_Storage_Processor.ProcessorStatus
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: 0uj, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: **Reset Capability**
Type: Character
Description: Reset Capability of the Block System Processor
Select equivalent: K_SE_Storage_Processor.ResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Ouk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Processor Roles**
Type: Character
Description: Roles of the Block System Processor
Select equivalent: K_SE_Storage_Processor.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Block Processor Name
List of values: Oul, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port Name**
Type: Character
Description: Block system port name
Select equivalent: K_SE_Storage_Port.PortName
Where equivalent:

Qualification: dimension
List of values: Oum, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Port Description**

Type: Character
Description: Block system port description
Select equivalent: K_SE_Storage_Port.Description
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0un, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Port WWN**
Type: Character
Description: World Wide Name of the Block system port
Select equivalent: K_SE_Storage_Port.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uo, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Connected To WWN**
Type: Character
Description: Which WWN is this port connected to?
Select equivalent: K_SE_Storage_Port.ConnectedToWWN
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0up, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port State**
Type: Character
Description: Port State
Select equivalent: K_SE_Storage_Port.PortState
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port Status**
Type: Character
Description: Port Status
Select equivalent: K_SE_Storage_Port.PortStatus
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0ur, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Physical State**
Type: Character
Description: Physical State
Select equivalent: K_SE_Storage_Port.PhysicalState
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0us, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port Speed in Gb/s**
Type: Number
Description: Port Speed in Gb/s
Select equivalent: K_SE_Storage_Port.PortSpeed
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0ut, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Speed in Gb/s**
Type: Number
Description: Max Speed in Gb/s
Select equivalent: K_SE_Storage_Port.MaxSpeed
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port Number**
Type: Number
Description: Port Number
Select equivalent: K_SE_Storage_Port.PortNumber
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **SCSI Port**
Type: Number
Description: SCSI Port
Select equivalent: K_SE_Storage_Port.SCSI Port
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uw, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Connected to Node WWN**
Type: Character
Description: Which node WWN is the port connected to?
Select equivalent: K_SE_Storage_Port.ConnectedToNodeWWN
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0ux, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port Type**
Type: Character
Description: Port Type
Select equivalent: K_SE_Storage_Port.PortType
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0uy, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Link Technology**
Type: Character
Description: Link Technology
Select equivalent: K_SE_Storage_Port.LinkTechnology
Where equivalent:

Qualification: detail
Associated dimension name: Port Name
List of values: 0v0, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage System UUID**
Type: Character
Description: UUID of the Storage System

Select equivalent: K_SE_StorageSystem.UUID
Where equivalent:

Qualification: dimension
List of values: 0v1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Block Processor UUID**
Type: Character
Description: UUID of the Block Processor
Select equivalent: K_SE_Storage_Processor.SANProcessorUUID
Where equivalent:

Qualification: dimension
List of values: 0v2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Port UUID**
Type: Character
Description: UUID of the Block System Port
Select equivalent: K_SE_Storage_Port.PortUUID
Where equivalent:

Qualification: dimension
List of values: 0v3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DATETIME(HP 3PAR FC Port Statistics)
Description:	

Object: **Year**
Type: Number
Description: Year
Select equivalent: DATETIME.TIME_YEAR_NUMBER
Where equivalent:

Qualification: dimension

List of values: 0v4, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Month**
 Type: Character
 Description: Month Name first Three Characters
 Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
 Where equivalent:

Qualification: dimension
 List of values: 0v5, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Month Name**
 Type: Character
 Description: Month Name
 Select equivalent: DATETIME.TIME_MONTH_NAME
 Where equivalent:

Qualification: detail
 Associated dimension name: Month
 List of values: 0v6, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Day**
 Type: Number
 Description: Day
 Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 0v7, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Day Name
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 0v8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 0v9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0va, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 0vb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date
Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 0vc, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0vd, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Weekday
Type: Character
Description: Time Is Weekday
Select equivalent: DATETIME.TIME_IS_WEEKDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 0ve, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
Object status: show

Object: Hour Boundary
Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0vf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0vg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Week Boundary
Type: Number
Description: Week Boundary
Select equivalent: DATETIME.WEEK_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0vh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Month Boundary
Type: Number
Description: Month Boundary

Select equivalent: DATETIME.MONTH_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0vi, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Year Boundary
Type: Number
Description: Year Boundary
Select equivalent: DATETIME.YEAR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 0vj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Class:	Raw HP 3PAR FC Port Statistics
Description:	

Object: % Read I/Os
Type: Number
Description: Ratio of read I/Os to total I/Os
Select equivalent: SR_SE_3PAR_FCPort_Stats.PctReadIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: % Write I/Os
Type: Number
Description: Ratio of write I/Os to total I/Os
Select equivalent: SR_SE_3PAR_FCPort_Stats.PctWriteIOs
Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Size (Bytes)
 Type: Number
 Description: Average read size of I/Os read
 Select equivalent: SR_SE_3PAR_FCPort_Stats.AvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Size (Bytes)
 Type: Number
 Description: Average write size of I/Os written
 Select equivalent: SR_SE_3PAR_FCPort_Stats.AvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Read throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_FCPort_Stats.ReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Read I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read requests per second
 Select equivalent: SR_SE_3PAR_FCPort_Stats.ReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Rate data is transmitted between devices
 Select equivalent: SR_SE_3PAR_FCPort_Stats.TotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read and write
 I/O operations given in re
 quests per second
 Select equivalent: SR_SE_3PAR_FCPort_Stats.TotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Write Data Rate (Bytes/Sec)
Type: Number
Description: Write throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_FCPort_Stats.WriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write I/O Rate (Req/Sec)
Type: Number
Description: Number of write requests per second
Select equivalent: SR_SE_3PAR_FCPort_Stats.WriteRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Read I/Os (Req/Sec)
Type: Number
Description: Delta read I/Os (Req/Sec)
Select equivalent: SR_SE_3PAR_FCPort_Stats.DeltaReadIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Write I/Os (Req/Sec)
Type: Number

Description: Delta write I/Os (Req/Sec)
 Select equivalent: SR_SE_3PAR_FCPort_Stats.DeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly HP 3PAR FC Port Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os

Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXPctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Write I/Os
Type: Number
Description: Minimum Ratio of write I/Os to total I/Os
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINPctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Read Size (Bytes)
Type: Number
Description: Minimum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINAvgReadSize
Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average Write Size (Bytes)
Type: Number
Description: Average of Average write size of I/Os written
Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGAvgWriteSize
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)

Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read requests per second
Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXReadRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINReadRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGReadRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Maximum Total Data Rate (Bytes/Sec)**
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Minimum Total Data Rate (Bytes/Sec)**
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Average Total Data Rate (Bytes/Sec)**
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGTotalIORate

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read I/Os (Req/Sec)
Type: Number
Description: Maximum Delta read I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXDeltaReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Read I/Os (Req/Sec)
Type: Number
Description: Minimum Delta read I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_FCPort_Stats.MINDeltaReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Read I/Os (Req/Sec)
Type: Number
Description: Average Delta read I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGDeltaReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
Type: Number

Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_FCPort_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR FC Port Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os

Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXPctReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Read I/Os
Type: Number
Description: Minimum Ratio of read I/Os to total I/Os
Select equivalent: SD_SE_3PAR_FCPort_Stats.MINPctReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Write I/Os
Type: Number
Description: Maximum Ratio of write I/Os to total I/Os
Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXPctWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Write I/Os
Type: Number
Description: Minimum Ratio of write I/Os to total I/Os
Select equivalent: SD_SE_3PAR_FCPort_Stats.MINPctWriteIOs
Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)

Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: SD_SE_3PAR_FCPort_Stats.MINWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number
Description: Average Number of write requests per second
Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Read I/Os (Req/Sec)
Type: Number
Description: Maximum Delta read I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXDeltaReadIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Read I/Os (Req/Sec)
Type: Number

Description: Minimum Delta read I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINDeltaReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGDeltaReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_FCPort_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP-HP 3PAR FC Port Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)

Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGTotallORate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXWriteDataRate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINWriteDataRate)
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXWriteRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINWriteRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number

Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXDeltaReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINDeltaReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGDeltaReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_FCPort_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_FCPort_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_FCPort_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR FC Port Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)

Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read requests per second
Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum of Number of read

and write I/O operations
 given in requests per second

Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum of Number of read
 and write I/O operations
 given in requests per second

Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average of Number of read
 and write I/O operations
 given in requests per second

Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Write throughput rate (Bytes per second)
Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Write throughput rate (Bytes per second)
Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number

Description: Maximum Number of write requests per second
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read I/Os (Req/Sec)
 Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXDeltaReadIOs)
 Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Read I/Os (Req/Sec)
Type: Number
Description: Minimum Delta read I/Os (Req/Sec)
Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINDeltaReadIOs)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Read I/Os (Req/Sec)
Type: Number
Description: Average Delta read I/Os (Req/Sec)
Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGDeltaReadIOs)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
Type: Number
Description: Maximum Delta write I/Os (Req/Sec)
Select equivalent: max(SD_SE_3PAR_FCPort_Stats.MAXDeltaWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_FCPort_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SD_SE_3PAR_FCPort_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR AVG Storage System Volume Perfor mance Statistics
Description:	HP 3PAR Aggregated Volume Statistics (Array Level)

No objects

Class:	HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statist ics)
Description:	

Object: SOM Source Name

Type: Character
Description: Name of the source SOM server
Select equivalent: K_SE_StorageSystem.SEiSourceName
Where equivalent:

Qualification: dimension
List of values: 116, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Tenant Name
Type: Character
Description: Tenant Name
Select equivalent: K_SE_StorageSystem.TenantName
Where equivalent:

Qualification: dimension
List of values: 117, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Vendor
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 118, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Model
Type: Character
Description: Storage System Model Number
Select equivalent: K_SE_StorageSystem.Model
Where equivalent:

Qualification: dimension
List of values: 119, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Name
 Type: Character
 Description: Name of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemName
 Where equivalent:

Qualification: dimension
 List of values: 11a, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Description
 Type: Character
 Description: Description about Storage System
 Select equivalent: K_SE_StorageSystem.Description
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11b, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Discovery Status
 Type: Character
 Description: The discovery status of the storage system such as
 CREATED, CONTACTED, MISSING, GENERIC
 Select equivalent: K_SE_StorageSystem.DiscoveryStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11c, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11e, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11f, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System SerialNumber

Type: Character
Description: Serial Number of the Storage System
Select equivalent: K_SE_StorageSystem.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11g, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Status
Type: Character
Description: Operational status of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Reset Capability?
Type: Character
Description: Has Reset Capability (flag)
Select equivalent: K_SE_StorageSystem.HasResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Advanced Retention Management?
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11j, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Cache Block Size**
 Type: Number
 Description: Cache Block Size
 Select equivalent: K_SE_StorageSystem.CacheBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11k, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Has Compliance Mode?**
 Type: Character
 Description: Has Compliance Mode (flag)
 Select equivalent: K_SE_StorageSystem.HasComplianceMode
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11l, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Domain**
 Type: Character
 Description: Domain of the Storage System
 Select equivalent: K_SE_StorageSystem.Domain
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11m, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Over Subscribed Capacity**
 Type: Character
 Description: Over Subscribed Capacity
 Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11n, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Requested Capacity**
 Type: Character
 Description: Requested Capacity
 Select equivalent: K_SE_StorageSystem.RequestedCapacity
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11o, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Is Manageable?**
 Type: Character
 Description: Is Manageable
 Select equivalent: K_SE_StorageSystem.IsManageable
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 11p, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Volume Name Length**
Type: Character
Description: Maximum allowed length for Volume Names
Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11q, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication IP**
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11r, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Pools**
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11s, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Replication Status**
Type: Character
Description: Replication Status of the Storage System

Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11t, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage On Access
Type: Character
Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Business Cost
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11v, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: DKC Microcode Version
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
List of values: 11w, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Family
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11x, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hardware Version
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 11y, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Identifying Descriptions
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 120, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Other Identifying Info
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 121, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Provider Tag
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 122, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent Name
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 123, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Parent UUID

Type: Character
Description: Parent UUID for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 124, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Power Management**
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 125, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Roles**
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 126, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Primary Owner Name**
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 127, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Primary Owner Contact
 Type: Character
 Description: Primary Owner Contact of Storage System
 Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 128, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Last Contacted Timestamp
 Type: Date
 Description: Shows the time stamp of when the storage system was last contacted
 Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 129, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Management URL
 Type: Character
 Description: Management URL of the Storage System
 Select equivalent: K_SE_StorageSystem.ManagementURL
 Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
List of values: 12a, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Custom Name
Type: Character
Description: Custom Name of the Storage System
Select equivalent: K_SE_StorageSystem.CustomName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 12b, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Object Type
Type: Character
Description: Object Type
Select equivalent: K_SE_StorageSystem.ObjectType
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 12c, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System UUID
Type: Character
Description: UUID of the Storage System
Select equivalent: K_SE_StorageSystem.UUID
Where equivalent:

Qualification: dimension
List of values: 12d, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DATETIME(HP 3PAR AVG Storage System Volum e Statistics)
Description:	

Object: Year
 Type: Number
 Description: Year
 Select equivalent: DATETIME.TIME_YEAR_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 12e, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month
 Type: Character
 Description: Month Name first Three Characters
 Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
 Where equivalent:

Qualification: dimension
 List of values: 12f, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month Name
 Type: Character
 Description: Month Name
 Select equivalent: DATETIME.TIME_MONTH_NAME
 Where equivalent:

Qualification: detail
 Associated dimension name: Month
 List of values: 12g, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Day
Type: Number
Description: Day
Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
Where equivalent:

Qualification: dimension
List of values: 12h, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day Name
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 12i, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 12j, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 12k, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 12l, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Full Date
Type: Date
Description: Full Date
Select equivalent: DATETIME.TIME_FULL_DATE
Where equivalent:

Qualification: dimension
List of values: 12m, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Is Holiday
Type: Character
Description: Time Is Holiday
Select equivalent: DATETIME.TIME_IS_HOLIDAY
Where equivalent:

Qualification: detail
Associated dimension name: Full Date
List of values: 12n, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Time Is Weekday
 Type: Character
 Description: Time Is Weekday
 Select equivalent: DATETIME.TIME_IS_WEEKDAY
 Where equivalent:

Qualification: detail
 Associated dimension name: Full Date
 List of values: 12o, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hour Boundary
 Type: Number
 Description: Hour Boundary
 Select equivalent: DATETIME.HOUR_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 12p, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Day Boundary
 Type: Number
 Description: Day Boundary
 Select equivalent: DATETIME.DAY_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 12q, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Week Boundary
 Type: Number

Description: Week Boundary
 Select equivalent: DATETIME.WEEK_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 12r, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Month Boundary
 Type: Number
 Description: Month Boundary
 Select equivalent: DATETIME.MONTH_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 12s, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Year Boundary
 Type: Number
 Description: Year Boundary
 Select equivalent: DATETIME.YEAR_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 12t, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	Raw HP 3PAR AVG Storage System Volume Statistics
Description:	

Object: % Read I/Os
 Type: Number
 Description: Ratio of read I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.PctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Write I/Os
 Type: Number
 Description: Ratio of write I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.PctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average time to complete an I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average % Busy
 Type: Number
 Description: Average time the storage system was busy
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Average Queue Depth
 Type: Number
 Description: Average number of pending read and write I/O operations
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Response Time (ms)
 Type: Number
 Description: Average time to complete a read I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Response Time (ms)
 Type: Number
 Description: Average time to complete a write I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Size (Bytes)
Type: Number
Description: Average read size of I/Os read
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Size (Bytes)
Type: Number
Description: Average write size of I/Os written
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.AvgWriteSize
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: % Hit Rate
Type: Number
Description: Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.PctHitRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Read Data Rate (Bytes/Sec)
Type: Number

Description: Read throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.ReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Read Hit Rate (Req/Sec)
Type: Number
Description: Read cache hit rate (requests per second)
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.ReadHitRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Read I/O Rate (Req/Sec)
Type: Number
Description: Number of read requests per second
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.ReadRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Total Data Rate (Bytes/Sec)
Type: Number
Description: Rate data is transmitted between devices
Select equivalent: SR_SE_3PAR_SSAGVol_Stats.TotalDataRate
Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read and write
 I/O operations given in re
 quests per second
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.TotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Write throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.WriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Write I/O Rate (Req/Sec)
 Type: Number
 Description: Number of write requests per second
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.WriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: None

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Delta read hit I/Os (Req/Sec)
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.DeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Delta write I/Os (Req/Sec)
 Select equivalent: SR_SE_3PAR_SSAGVol_Stats.DeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly HP 3PAR AVG Storage System Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to
 complete a read I/O operation
 in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadIORespTime
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to

o complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a write I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Read Size (Bytes)
Type: Number
Description: Minimum of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read Size (Bytes)
Type: Number
Description: Average of Average read size of I/Os read
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write Size (Bytes)

Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hit Rate
 Type: Number
 Description: Maximum Ratio of read and
 write cache hit rate to t
 otal number of I/O operati

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXPctHitRate
 Where equivalent: ons
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Hit Rate
 Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINPctHitRate
 Where equivalent: ons
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXReadDataRate
 Where equivalent: ons
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)
Type: Number
Description: Average Read throughput rate (Bytes per second)
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
Type: Number
Description: Maximum Read cache hit rate (requests per second)
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXReadHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
Type: Number
Description: Minimum Read cache hit rate (requests per second)
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINReadHitRate
Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGReadRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINTotalDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)

Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)

Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)

Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGWriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number
Description: Average Number of write requests per second
Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGWriteRate
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SSAGVol_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR AVG Storage System Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXPctReadI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINPctReadI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Percentage WriteI/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Percentage WriteI/Os
 Type: Number

Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number

Description: Average of Average time to complete an I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average % Busy

Type: Number

Description: Maximum of Average time the storage system was busy

Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgPercentBusy

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average % Busy

Type: Number

Description: Minimum of Average time the storage system was busy

Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgPercentBusy

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average Queue Depth

Type: Number

Description: Maximum of Average number of pending read and write

Select equivalent: e I/O operations
 SD_SE_3PAR_SSAGVol_Stats.MAXAvgQueueDepth
 Where equivalent:

 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgQueueDepth
 Where equivalent:

 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgQueueDepth
 Where equivalent:

 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Ti

me (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadIORespTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Minimum of Average Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgReadIORespTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadIORespTime
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to

o complete a write I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hit Rate**
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXPctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hit Rate**
 Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINPctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)

Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number
Description: Average Number of write requests per second
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGWriteRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Maximum Delta read hit I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Minimum Delta read hit I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)

Type: Number
Description: Average Delta read hit I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
Type: Number
Description: Maximum Delta write I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MAXDeltaWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
Type: Number
Description: Minimum Delta write I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.MINDeltaWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Write I/Os (Req/Sec)
Type: Number
Description: Average Delta write I/Os (Req/Sec)
Select equivalent: SD_SE_3PAR_SSAGVol_Stats.AVGDeltaWriteIOs
Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class: HourlyOLAP-HP 3PAR A
 VG Storage System Volume Statistics

Description:

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Percentage WriteI/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXPctWriteIOs)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Percentage WriteIOs
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime)

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average Queue Depth**
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average of Average Queue Depth**
 Type: Number
 Description: Average of Average number of pending read and write I/O operations
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgQueueDepth)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds
Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete a write I/O operation in milliseconds
Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a write I/O operation in milliseconds
Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a write I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
Type: Number
Description: Average of Average write size of I/Os written
Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGAvgWriteSize)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Hit Rate
Type: Number
Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXPctHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Hit Rate
Type: Number
Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINPctHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
Type: Number
Description: Maximum Read cache hit rate (requests per second)
Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXReadHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
Type: Number
Description: Minimum Read cache hit rate (requests per second)
Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINReadHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Hit Rate (Req/Sec)
Type: Number
Description: Average Read cache hit rate (requests per second)
Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGReadHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read requests per second
Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXReadRate)

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINDeltaReadHitIOs)

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_SSAGVol_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_SSAGVol_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_SSAGVol_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR AV G Storage System Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXPctWriteI/Os)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINPctWriteI/Os)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgI/OResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average I/O Response Time (ms)**
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average of Average I/O Response Time (ms)**
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average % Busy**
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average % Busy**
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average Queue Depth**
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average of Average Queue Depth**
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average
 Read I/O Response Time (ms)**
 Type: Number
 Description: Maximum of Average time to
 complete a read I/O operation
 in milliseconds
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average
 Read I/O Response Time (ms)**
 Type: Number
 Description: Minimum of Average time to
 complete a read I/O operation
 in milliseconds

Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds
Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete a write I/O operation in milliseconds
Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average

Write I/O Response Time (ms)

Type:	Number
Description:	Minimum of Average time to complete a write I/O operation in milliseconds
Select equivalent:	min(SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteIORespTime)
Where equivalent:	
Qualification:	measure
Aggregate function:	Min
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Average of Average Write I/O Response Time (ms)

Type:	Number
Description:	Average of Average time to complete a write I/O operation in milliseconds
Select equivalent:	avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteIORespTime)
Where equivalent:	
Qualification:	measure
Aggregate function:	Average
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Maximum of Average Read Size (Bytes)

Type:	Number
Description:	Maximum of Average read size of I/Os read
Select equivalent:	max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize)
Where equivalent:	
Qualification:	measure
Aggregate function:	Max
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort

Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)

Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hit Rate
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Hit Rate
 Type: Number

Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations

Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINPctHitRate)

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)

Type: Number

Description: Maximum Read throughput rate (Bytes per second)

Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXReadDataRate)

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)

Type: Number

Description: Minimum Read throughput rate (Bytes per second)

Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINReadDataRate)

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average Read Data Rate (Bytes/Sec)

Type: Number

Description: Average Read throughput rate (Bytes per second)

Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
Type: Number
Description: Maximum Read cache hit rate (requests per second)
Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXReadHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
Type: Number
Description: Minimum Read cache hit rate (requests per second)
Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINReadHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Hit Rate (Req/Sec)
Type: Number
Description: Average Read cache hit rate (requests per second)
Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGReadHitRate)
Where equivalent:

Qualification: measure

Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number
Description: Average Rate data is transmitted between devices
Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total I/O Rate (Req/Sec)

Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Write throughput rate (Bytes per second)
Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Write throughput rate (Bytes per second)
Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write Data Rate (Bytes/Sec)
Type: Number
Description: Average Write throughput rate (Bytes per second)
Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGWriteDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of write requests per second

Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXWriteRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of write requests per second
Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINWriteRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Write I/O Rate (Req/Sec)
Type: Number
Description: Average Number of write requests per second
Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGWriteRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Maximum Delta read hit I/Os (Req/Sec)
Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXDeltaReadHitIOs)
Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SD_SE_3PAR_SSAGVol_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_SSAGVol_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SD_SE_3PAR_SSAGVol_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HP 3PAR AVG Storage Pool Volume Performance Statistics
Description:	HP 3PAR Aggregated Volume Statistics (Storage Pool Level)

No objects

Class:	HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)
Description:	

Object: SOM Source Name
 Type: Character
 Description: Name of the source SOM server

Select equivalent: K_SE_StorageSystem.SEiSourceName
Where equivalent:

Qualification: dimension
List of values: 19t, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Tenant Name
Type: Character
Description: Tenant Name
Select equivalent: K_SE_StorageSystem.TenantName
Where equivalent:

Qualification: dimension
List of values: 19u, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Vendor
Type: Character
Description: Storage system vendor name
Select equivalent: K_SE_StorageSystem.Vendor
Where equivalent:

Qualification: dimension
List of values: 19v, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Model
Type: Character
Description: Storage System Model Number
Select equivalent: K_SE_StorageSystem.Model
Where equivalent:

Qualification: dimension
List of values: 19w, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Storage System Name
 Type: Character
 Description: Name of the Storage System
 Select equivalent: K_SE_StorageSystem.StorageSystemName
 Where equivalent:

Qualification: dimension
 List of values: 19x, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Description
 Type: Character
 Description: Description about Storage System
 Select equivalent: K_SE_StorageSystem.Description
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 19y, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System Discovery Status
 Type: Character
 Description: The discovery status of the storage system such as
 CREATED, CONTACTED, MISSING, GENERIC
 Select equivalent: K_SE_StorageSystem.DiscoveryStatus
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1a0, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage System IP Address
Type: Character
Description: IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.IPAddress
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System DNS
Type: Character
Description: DNS name of the Storage System
Select equivalent: K_SE_StorageSystem.DNSName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System WWN
Type: Character
Description: World Wide Number of the Storage System
Select equivalent: K_SE_StorageSystem.WWN
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System SerialNumber
Type: Character
Description: Serial Number of the Storage System

Select equivalent: K_SE_StorageSystem.SerialNumber
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Storage System Status
Type: Character
Description: Operational status of the Storage System
Select equivalent: K_SE_StorageSystem.StorageSystemStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Reset Capability?
Type: Character
Description: Has Reset Capability (flag)
Select equivalent: K_SE_StorageSystem.HasResetCapability
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Has Advanced Retention Management?
Type: Character
Description: Has Advanced Retention Management (flag)
Select equivalent: K_SE_StorageSystem.HasAdvRetentionMgmt
Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
 List of values: 1a7, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Cache Block Size
 Type: Number
 Description: Cache Block Size
 Select equivalent: K_SE_StorageSystem.CacheBlockSize
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1a8, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Has Compliance Mode?
 Type: Character
 Description: Has Compliance Mode (flag)
 Select equivalent: K_SE_StorageSystem.HasComplianceMode
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1a9, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Domain
 Type: Character
 Description: Domain of the Storage System
 Select equivalent: K_SE_StorageSystem.Domain
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1aa, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Over Subscribed Capacity
Type: Character
Description: Over Subscribed Capacity
Select equivalent: K_SE_StorageSystem.OverSubscribedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ab, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Requested Capacity
Type: Character
Description: Requested Capacity
Select equivalent: K_SE_StorageSystem.RequestedCapacity
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ac, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Is Manageable?
Type: Character
Description: Is Manageable
Select equivalent: K_SE_StorageSystem.IsManageable
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ad, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Volume Name Length

Type: Character
Description: Maximum allowed length for Volume Names
Select equivalent: K_SE_StorageSystem.MaxVolumeNameLength
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ae, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication IP
Type: Character
Description: Replication IP Address of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationIP
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1af, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication Pools
Type: Character
Description: Replication Pools of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationPools
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ag, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Replication Status
Type: Character
Description: Replication Status of the Storage System
Select equivalent: K_SE_StorageSystem.ReplicationStatus
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ah, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Storage On Access**
Type: Character
Description: Storage On Access (flag)
Select equivalent: K_SE_StorageSystem.StorageOnAccess
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ai, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Business Cost**
Type: Number
Description: Business Cost of the Storage System
Select equivalent: K_SE_StorageSystem.BusinessCost
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1aj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **DKC Microcode Version**
Type: Character
Description: DKC Microcode Version of the Storage System
Select equivalent: K_SE_StorageSystem.DKCMicrocodeVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ak, editable, manual refresh, not exportable

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Family**
Type: Character
Description: Family of the Storage System
Select equivalent: K_SE_StorageSystem.Family
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1a1, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Hardware Version**
Type: Character
Description: Hardware Version of the Storage System
Select equivalent: K_SE_StorageSystem.HardwareVersion
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1am, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Identifying Descriptions**
Type: Character
Description: Identifying Descriptions for the Storage System
Select equivalent: K_SE_StorageSystem.IdentifyingDescriptions
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1an, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Other Identifying Info**
Type: Character
Description: Other Identifying Info for the Storage System
Select equivalent: K_SE_StorageSystem.OtherIdentifyingInfo
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ao, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Provider Tag**
Type: Character
Description: Provider Tag of the Storage System
Select equivalent: K_SE_StorageSystem.ProviderTag
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ap, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent Name**
Type: Character
Description: Parent Name for a File System Node/Virtual Server
Select equivalent: K_SE_StorageSystem.ParentName
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1aq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent UUID**
Type: Character
Description: Parent UUID for a File System Node/Virtual Server

Select equivalent: K_SE_StorageSystem.ParentUUID
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1ar, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Power Management**
Type: Character
Description: Power Management
Select equivalent: K_SE_StorageSystem.PowerManagement
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1as, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Roles**
Type: Character
Description: Roles of the Storage System
Select equivalent: K_SE_StorageSystem.Roles
Where equivalent:

Qualification: detail
Associated dimension name: Storage System Name
List of values: 1at, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Primary Owner Name**
Type: Character
Description: Primary Owner Name of Storage System
Select equivalent: K_SE_StorageSystem.PrimaryOwnerName
Where equivalent:

Qualification: detail

Associated dimension name: Storage System Name
 List of values: 1au, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Primary Owner Contact
 Type: Character
 Description: Primary Owner Contact of Storage System
 Select equivalent: K_SE_StorageSystem.PrimaryOwnerContact
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1av, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Last Contacted Timestamp
 Type: Date
 Description: Shows the time stamp of when the storage system was last contacted
 Select equivalent: K_SE_StorageSystem.LastContactedTimestamp
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1aw, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Management URL
 Type: Character
 Description: Management URL of the Storage System
 Select equivalent: K_SE_StorageSystem.ManagementURL
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1ax, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Custom Name
 Type: Character
 Description: Custom Name of the Storage System
 Select equivalent: K_SE_StorageSystem.CustomName
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1ay, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Object Type
 Type: Character
 Description: Object Type
 Select equivalent: K_SE_StorageSystem.ObjectType
 Where equivalent:

Qualification: detail
 Associated dimension name: Storage System Name
 List of values: 1b0, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Block Pool Name
 Type: Character
 Description: Block Pool Name
 Select equivalent: K_SE_Storage_Pool.SANPoolName
 Where equivalent:

Qualification: dimension
 List of values: 1b1, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Pool Description**
Type: Character
Description: Description about Block Pool
Select equivalent: K_SE_Storage_Pool.SANPoolDescription
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1b2, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Parent Pool Name**
Type: Character
Description: Parent Pool Name
Select equivalent: K_SE_Storage_Pool.ParentPoolName
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1b3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Total Available Space (GB)**
Type: Number
Description: Total Available Space in GB
Select equivalent: K_SE_Storage_Pool.TotalAvailableSpaceGB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1b4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Total Available Space (GiB)**
Type: Number
Description: Total Available Space in GiB
Select equivalent: K_SE_Storage_Pool.TotalAvailableSpaceGiB

Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1b5, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage Capability Name
 Type: Character
 Description: Storage Capability Name
 Select equivalent: K_SE_Storage_Pool.StorageCapabilityName
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1b6, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage Capability Common Name
 Type: Character
 Description: Storage Capability Common Name
 Select equivalent: K_SE_Storage_Pool.StorageCapabilityCommonName
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1b7, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Storage Capability Description
 Type: Character
 Description: Storage Capability Description
 Select equivalent: K_SE_Storage_Pool.StorageCapabilityDescription
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name

List of values: 1b8, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: No Single Point Of Failure
Type: Character
Description: No Single Point Of Failure
Select equivalent: K_SE_Storage_Pool.NoSinglePtOfFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1b9, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Default No Single Point Of Failure
Type: Character
Description: Default No Single Point Of Failure
Select equivalent: K_SE_Storage_Pool.DefaultNoSinglePtOfFailure
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1ba, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Min Data Redundancy
Type: Number
Description: Minimum Data Redundancy
Select equivalent: K_SE_Storage_Pool.MinDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Data Redundancy**
Type: Number
Description: Maximum Data Redundancy
Select equivalent: K_SE_Storage_Pool.MaxDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bc, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default Data Redundancy**
Type: Number
Description: Default Data Redundancy
Select equivalent: K_SE_Storage_Pool.DefaultDataRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bd, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Min Spindle Redundancy**
Type: Number
Description: Minimum Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.MinSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1be, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Max Spindle Redundancy**
Type: Number

Description: Maximum Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.MaxSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Default Spindle Redundancy
Type: Number
Description: Default Spindle Redundancy
Select equivalent: K_SE_Storage_Pool.DefaultSpindleRedundancy
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Min Delta Reservation
Type: Number
Description: Minimum Delta Reservation
Select equivalent: K_SE_Storage_Pool.MinDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bh, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Max Delta Reservation
Type: Number
Description: Maximum Delta Reservation
Select equivalent: K_SE_Storage_Pool.MaxDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bi, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Default Delta Reservation**
Type: Number
Description: Default Delta Reservation
Select equivalent: K_SE_Storage_Pool.DefaultDeltaReservation
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Space Limit (GB)**
Type: Number
Description: Space Limit in GB
Select equivalent: K_SE_Storage_Pool.SpaceLimitGB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Space Limit (GiB)**
Type: Number
Description: Space Limit in GiB
Select equivalent: K_SE_Storage_Pool.SpaceLimitGiB
Where equivalent:

Qualification: detail
Associated dimension name: Block Pool Name
List of values: 1bl, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Space Limit Determination**
 Type: Number
 Description: Space Limit Determination
 Select equivalent: K_SE_Storage_Pool.SpaceLimitDetermination
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1bm, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Composition**
 Type: Character
 Description: Shows type of pool like Internal, External, Hybrid
 Select equivalent: K_SE_Storage_Pool.Composition
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1bn, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Block Pool Type**
 Type: Character
 Description: Block Pool type - Primordial, Concrete, Open, Mainframe, Snapshot, Reserved, Parent concrete ...
 Select equivalent: K_SE_Storage_Pool.SANPoolType
 Where equivalent:

Qualification: detail
 Associated dimension name: Block Pool Name
 List of values: 1bo, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Storage System UUID
 Type: Character
 Description: UUID of the Storage System
 Select equivalent: K_SE_StorageSystem.UUID
 Where equivalent:

Qualification: dimension
 List of values: 1bp, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Block Pool UUID
 Type: Character
 Description: UUID of the Block Pool
 Select equivalent: K_SE_Storage_Pool.SANPoolUUID
 Where equivalent:

Qualification: dimension
 List of values: 1bq, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DATETIME(HP 3PAR AVG Storage Pool Volume Statistics)
Description:	

Object: Year
 Type: Number
 Description: Year
 Select equivalent: DATETIME.TIME_YEAR_NUMBER
 Where equivalent:

Qualification: dimension
 List of values: 1br, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Month
Type: Character
Description: Month Name first Three Characters
Select equivalent: (SUBSTR(DATETIME.TIME_MONTH_NAME,1,3))
Where equivalent:

Qualification: dimension
List of values: 1bs, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Month Name
Type: Character
Description: Month Name
Select equivalent: DATETIME.TIME_MONTH_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Month
List of values: 1bt, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day
Type: Number
Description: Day
Select equivalent: DATETIME.TIME_DAY_MONTH_NUMBER
Where equivalent:

Qualification: dimension
List of values: 1bu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Day Name
Type: Character
Description: Day Name
Select equivalent: DATETIME.TIME_DAY_NAME
Where equivalent:

Qualification: detail
Associated dimension name: Day
List of values: 1bv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour
Type: Number
Description: Hour
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: dimension
List of values: 1bw, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hour Id
Type: Number
Description: Hour Id
Select equivalent: DATETIME.TIME_HOUR_ID
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 1bx, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Time Hour Description
Type: Character
Description: Time Hour Description
Select equivalent: DATETIME.TIME_HOUR_DESCRIPTION
Where equivalent:

Qualification: detail
Associated dimension name: Hour
List of values: 1by, editable, manual refresh, not exportable
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Full Date
 Type: Date
 Description: Full Date
 Select equivalent: DATETIME.TIME_FULL_DATE
 Where equivalent:

Qualification: dimension
 List of values: 1c0, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Time Is Holiday
 Type: Character
 Description: Time Is Holiday
 Select equivalent: DATETIME.TIME_IS_HOLIDAY
 Where equivalent:

Qualification: detail
 Associated dimension name: Full Date
 List of values: 1c1, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Time Is Weekday
 Type: Character
 Description: Time Is Weekday
 Select equivalent: DATETIME.TIME_IS_WEEKDAY
 Where equivalent:

Qualification: detail
 Associated dimension name: Full Date
 List of values: 1c2, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hour Boundary

Type: Number
Description: Hour Boundary
Select equivalent: DATETIME.HOUR_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 1c3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Day Boundary
Type: Number
Description: Day Boundary
Select equivalent: DATETIME.DAY_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 1c4, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Week Boundary
Type: Number
Description: Week Boundary
Select equivalent: DATETIME.WEEK_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 1c5, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Month Boundary
Type: Number
Description: Month Boundary
Select equivalent: DATETIME.MONTH_BOUNDARY
Where equivalent:

Qualification: dimension
List of values: 1c6, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Year Boundary
 Type: Number
 Description: Year Boundary
 Select equivalent: DATETIME.YEAR_BOUNDARY
 Where equivalent:

Qualification: dimension
 List of values: 1c7, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	Raw HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Object: % Read I/Os
 Type: Number
 Description: Ratio of read I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.PctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Write I/Os
 Type: Number
 Description: Ratio of write I/Os to total I/Os
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.PctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Average I/O Response Time (ms)
 Type: Number
 Description: Average time to complete an I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average % Busy
 Type: Number
 Description: Average time the storage system was busy
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Queue Depth
 Type: Number
 Description: Average number of pending read and write I/O operations
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Response Time (ms)

Type: Number
 Description: Average time to complete a read I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Response Time (ms)
 Type: Number
 Description: Average time to complete a write I/O operation in milliseconds
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Size (Bytes)
 Type: Number
 Description: Average read size of I/Os read
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Size (Bytes)
 Type: Number
 Description: Average write size of I/Os written
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.AvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: % Hit Rate
 Type: Number
 Description: Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.PctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Read throughput rate (Bytes per second)
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.ReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read Hit Rate (Req/Sec)
 Type: Number
 Description: Read cache hit rate (requests per second)
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.ReadHitRate
 Where equivalent:

Qualification: measure

Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Read I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read requests per second
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.ReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Rate data is transmitted between devices
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.TotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Total I/O Rate (Req/Sec)
 Type: Number
 Description: Number of read and write
 I/O operations given in re
 quests per second
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.TotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no

Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write Data Rate (Bytes/Sec)
Type: Number
Description: Write throughput rate (Bytes per second)
Select equivalent: SR_SE_3PAR_SPAGVol_Stats.WriteDataRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Write I/O Rate (Req/Sec)
Type: Number
Description: Number of write requests per second
Select equivalent: SR_SE_3PAR_SPAGVol_Stats.WriteRate
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Delta read hit I/Os (Req/Sec)
Select equivalent: SR_SE_3PAR_SPAGVol_Stats.DeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Delta write I/Os (Req/Sec)
 Select equivalent: SR_SE_3PAR_SPAGVol_Stats.DeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINPctReadIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINPctWriteI/Os
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number

Description: Minimum of Average time to complete an I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgIOResponseTime

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete an I/O operation in milliseconds

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgIOResponseTime

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average % Busy

Type: Number

Description: Maximum of Average time the storage system was busy

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgPercentBusy

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average % Busy

Type: Number

Description: Minimum of Average time the storage system was busy
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number

Description: Average of Average number
of pending read and write
I/O operations

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgQueueDepth

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Maximum of Average
Read I/O Response Time (ms)

Type: Number

Description: Maximum of Average time to
complete a read I/O operation
in milliseconds

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgReadIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average
Read I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to
complete a read I/O operation
in milliseconds

Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgReadIORespTime

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgReadIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgWriteIORespTime

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a write I/O operation in milliseconds
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgWriteIORespTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgReadSize

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average of Average Write Size (Bytes)**
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hit Rate**
 Type: Number
 Description: Maximum Ratio of read and
 write cache hit rate to t
 otal number of I/O operati
 ons
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXPctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hit Rate**
 Type: Number
 Description: Minimum Ratio of read and
 write cache hit rate to t
 otal number of I/O operati
 ons
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINPctHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read requests per second
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXReadRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINReadRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGReadRate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXTotalDataRate

Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGTotalIORate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Minimum Delta read hit I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Average Delta read hit I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGDeltaReadHitIOs
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
Type: Number
Description: Maximum Delta write I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MAXDeltaWriteIOs
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
Type: Number
Description: Minimum Delta write I/Os (Req/Sec)
Select equivalent: SH_SE_3PAR_SPAGVol_Stats.MINDeltaWriteIOs

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SH_SE_3PAR_SPAGVol_Stats.AVGDeltaWriteIos
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXPctReadIos
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINPctReadIos
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Write I/Os**
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Write I/Os**
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINPctWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average I/O Response Time (ms)**
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgIOResponseTime
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgIOResponseTime
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgPercentBusy
 Where equivalent:

Qualification: measure

Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgPercentBusy
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number of pending read and write I/O operations
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgQueueDepth
 Where equivalent:

Qualification: measure

Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgQueueDepth
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to
 complete a read I/O operation
 in milliseconds
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgReadIOWriteTime
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to

o complete a read I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgReadIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a read I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgReadIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete a write I/O operation in milliseconds

Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete a write I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete a write I/O operation in milliseconds
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgWriteIORespTime
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgReadSize
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgReadSize
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXAvgWriteSize
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
Type: Number
Description: Minimum of Average write size of I/Os written
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINAvgWriteSize
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Write Size (Bytes)
Type: Number
Description: Average of Average write size of I/Os written
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGAvgWriteSize
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum % Hit Rate
Type: Number
Description: Maximum Ratio of read and
write cache hit rate to t
otal number of I/O operati
ons
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXPctHitRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Hit Rate
Type: Number
Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINPctHitRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINReadDataRate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read Data Rate (Bytes/Sec)

Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGReadDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGReadHitRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGReadRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Minimum Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Total Data Rate (Bytes/Sec)**
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGTotalDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
Type: Number
Description: Maximum Number of read and write I/O operations given in requests per second
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read and write I/O operations given in requests per second
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read and write I/O operations given in requests per second
Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGTotalIORate
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort

Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGWriteDataRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)

Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGWriteRate
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGDeltaReadHitIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MAXDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.MINDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: SD_SE_3PAR_SPAGVol_Stats.AVGDeltaWriteIOs
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP-HP 3PAR A VG Storage Pool Volume Statistics
Description:	

Object: Maximum % Read I/Os
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Read I/Os
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Write I/Os
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum % Write I/Os
 Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to complete an I/O operation in milliseconds
Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average I/O Response Time (ms)
Type: Number
Description: Minimum of Average time to complete an I/O operation in milliseconds
Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average I/O Response Time (ms)
Type: Number
Description: Average of Average time to complete an I/O operation in milliseconds
Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgIOResponseTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average % Busy**
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average % Busy**
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average Queue Depth**
 Type: Number
 Description: Maximum of Average number of pending read and write I/O operations
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgQueueDepth)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
Type: Number
Description: Minimum of Average number
of pending read and write
I/O operations
Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Queue Depth
Type: Number
Description: Average of Average number
of pending read and write
I/O operations
Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgQueueDepth)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average
Read I/O Response Time (ms)
Type: Number
Description: Maximum of Average time to
complete a read I/O operation
in milliseconds
Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgReadIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Max

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Read I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a read I/O operation in milliseconds
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read I/O Response Time (ms)
 Type: Number
 Description: Average of Average time to complete a read I/O operation in milliseconds
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgReadIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average
 Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation

Select equivalent: ration in milliseconds
 max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average
 Write I/O Response T
 ime (ms)
 Type: Number
 Description: Minimum of Average time t
 o complete a write I/O ope
 ration in milliseconds
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average W
 rite I/O Response Ti
 me (ms)
 Type: Number
 Description: Average of Average time t
 o complete a write I/O ope
 ration in milliseconds
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Read Size (Bytes)
 Type: Number
 Description: Maximum of Average read size of I/Os read
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Read Size (Bytes)
 Type: Number
 Description: Minimum of Average read size of I/Os read
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Read Size (Bytes)
 Type: Number
 Description: Average of Average read size of I/Os read
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgReadSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write Size (Bytes)
 Type: Number

Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write Size (Bytes)
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write Size (Bytes)
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum % Hit Rate
 Type: Number
 Description: Maximum Ratio of read and
 write cache hit rate to t
 otal number of I/O operati
 ons

Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXPctHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum % Hit Rate
Type: Number
Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINPctHitRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Read Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Read throughput rate (Bytes per second)
Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXReadDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Read throughput rate (Bytes per second)
Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINReadDataRate)

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read requests per second
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Total Data Rate (Bytes/Sec)
Type: Number

Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number

Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGTotallIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGWriteDataRate)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Average Delta read hit I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta write I/Os (Req/Sec)
 Select equivalent: max(SH_SE_3PAR_SPAGVol_Stats.MAXDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta write I/Os (Req/Sec)
 Select equivalent: min(SH_SE_3PAR_SPAGVol_Stats.MINDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Write I/Os (Req/Sec)
 Type: Number
 Description: Average Delta write I/Os (Req/Sec)
 Select equivalent: avg(SH_SE_3PAR_SPAGVol_Stats.AVGDeltaWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP-HP 3PAR AV G Storage Pool Volume Statistics
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Description:

Object: **Maximum % Read I/Os**
 Type: Number
 Description: Maximum Ratio of read I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Read I/Os**
 Type: Number
 Description: Minimum Ratio of read I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINPctReadIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Write I/Os**
 Type: Number
 Description: Maximum Ratio of write I/Os to total I/Os
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Write I/Os**

Type: Number
 Description: Minimum Ratio of write I/Os to total I/Os
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINPctWriteIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete an I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete an I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average I/O Response Time (ms)

Type: Number
 Description: Average of Average time to complete an I/O operation in milliseconds
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgIOResponseTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average % Busy
 Type: Number
 Description: Maximum of Average time the storage system was busy
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average % Busy
 Type: Number
 Description: Minimum of Average time the storage system was busy
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgPercentBusy)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Queue Depth
 Type: Number
 Description: Maximum of Average number

r of pending read and writ
 e I/O operations
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgQueueDepth)
 Where equivalent:
 Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Queue Depth
 Type: Number
 Description: Minimum of Average number
 of pending read and write
 I/O operations
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgQueueDepth)
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Queue Depth
 Type: Number
 Description: Average of Average number
 of pending read and write
 I/O operations
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgQueueDepth)
 Where equivalent:
 Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average

Read I/O Response Time (ms)

Type: Number

Description: Maximum of Average time to complete a read I/O operation in milliseconds

Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgReadIORespTime)

Where equivalent:

Qualification: measure

Aggregate function: Max

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Minimum of Average Read I/O Response Time (ms)

Type: Number

Description: Minimum of Average time to complete a read I/O operation in milliseconds

Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgReadIORespTime)

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: Average of Average Read I/O Response Time (ms)

Type: Number

Description: Average of Average time to complete a read I/O operation in milliseconds

Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgReadIORespTime)

Where equivalent:

Qualification: measure

Aggregate function: Average

List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Maximum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum of Average Write I/O Response Time (ms)
 Type: Number
 Description: Minimum of Average time to complete a write I/O operation in milliseconds
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgWriteIORespTime)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average of Average Write I/O Response Time (ms)
 Type: Number

Description: Average of Average time to complete a write I/O operation in milliseconds
Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgWriteIORespTime)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum of Average Read Size (Bytes)
Type: Number
Description: Maximum of Average read size of I/Os read
Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgReadSize)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum of Average Read Size (Bytes)
Type: Number
Description: Minimum of Average read size of I/Os read
Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgReadSize)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average of Average Read Size (Bytes)
Type: Number
Description: Average of Average read size of I/Os read
Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgReadSize)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum of Average Write Size (Bytes)**
 Type: Number
 Description: Maximum of Average write size of I/Os written
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum of Average Write Size (Bytes)**
 Type: Number
 Description: Minimum of Average write size of I/Os written
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average of Average Write Size (Bytes)**
 Type: Number
 Description: Average of Average write size of I/Os written
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGAvgWriteSize)
 Where equivalent:

Qualification: measure
 Aggregate function: Average

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum % Hit Rate**
 Type: Number
 Description: Maximum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum % Hit Rate**
 Type: Number
 Description: Minimum Ratio of read and write cache hit rate to total number of I/O operations
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINPctHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Read Data Rate (Bytes/Sec)**
 Type: Number
 Description: Maximum Read throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Read throughput rate (Bytes per second)
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Read throughput rate (Bytes per second)
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGReadDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Maximum Read cache hit rate (requests per second)
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read Hit Rate (Req/Sec)
 Type: Number
 Description: Minimum Read cache hit rate (requests per second)
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Read Hit Rate (Req/Sec)
 Type: Number
 Description: Average Read cache hit rate (requests per second)
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGReadHitRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Read I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read requests per second
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXReadRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Read I/O Rate (Req/Sec)
Type: Number
Description: Minimum Number of read requests per second
Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Read I/O Rate (Req/Sec)
Type: Number
Description: Average Number of read requests per second
Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGReadRate)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Total Data Rate (Bytes/Sec)
Type: Number
Description: Maximum Rate data is transmitted between devices
Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXTotalDataRate)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Total Data Rate (Bytes/Sec)
Type: Number
Description: Minimum Rate data is transmitted between devices
Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINTotalDataRate)

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total Data Rate (Bytes/Sec)
 Type: Number
 Description: Average Rate data is transmitted between devices
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGTotalDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Maximum Number of read and write I/O operations given in requests per second
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXTotalIORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Total I/O Rate (Req/Sec)
 Type: Number
 Description: Minimum Number of read and write I/O operations given in requests per second
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINTotalIORate)

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Total I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of read and write I/O operations given in requests per second
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGTotallORate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Maximum Write throughput rate (Bytes per second)
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Write Data Rate (Bytes/Sec)
 Type: Number
 Description: Minimum Write throughput rate (Bytes per second)
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Average Write Data Rate (Bytes/Sec)**
 Type: Number
 Description: Average Write throughput rate (Bytes per second)
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGWriteDataRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Maximum Write I/O Rate (Req/Sec)**
 Type: Number
 Description: Maximum Number of write requests per second
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: **Minimum Write I/O Rate (Req/Sec)**
 Type: Number
 Description: Minimum Number of write requests per second
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Average Write I/O Rate (Req/Sec)
 Type: Number
 Description: Average Number of write requests per second
 Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGWriteRate)
 Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Maximum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Maximum Delta read hit I/Os (Req/Sec)
 Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Minimum Delta Read Hit I/Os (Req/Sec)
 Type: Number
 Description: Minimum Delta read hit I/Os (Req/Sec)
 Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINDeltaReadHitIOs)
 Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Average Delta Read Hit I/Os (Req/Sec)
Type: Number
Description: Average Delta read hit I/Os (Req/Sec)
Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGDeltaReadHitIOs)
Where equivalent:

Qualification: measure
Aggregate function: Average
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Maximum Delta Write I/Os (Req/Sec)
Type: Number
Description: Maximum Delta write I/Os (Req/Sec)
Select equivalent: max(SD_SE_3PAR_SPAGVol_Stats.MAXDeltaWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Max
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Minimum Delta Write I/Os (Req/Sec)
Type: Number
Description: Minimum Delta write I/Os (Req/Sec)
Select equivalent: min(SD_SE_3PAR_SPAGVol_Stats.MINDeltaWriteIOs)
Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Average Delta Write I/Os (Req/Sec)
Type: Number
Description: Average Delta write I/Os (Req/Sec)
Select equivalent: avg(SD_SE_3PAR_SPAGVol_Stats.AVGDeltaWriteIOs)

Where equivalent:

Qualification: measure
 Aggregate function: Average
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Supplemental
Description:	

Object: FC Port Key
 Type: Number
 Description:

Select equivalent: K_SE_Storage_Port.dsi_key_id
 Where equivalent:

Qualification: dimension
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Controller Key
 Type: Number
 Description:

Select equivalent: K_SE_Storage_Processor.dsi_key_id
 Where equivalent:

Qualification: dimension
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Storage Pool Key
 Type: Number
 Description:

Select equivalent: K_SE_Storage_Pool.dsi_key_id

Where equivalent:

Qualification: dimension
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Disk Drive Key
 Type: Number
 Description:

Select equivalent: K_SE_Storage_DiskDrive.dsi_key_id
 Where equivalent:

Qualification: dimension
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Storage Volume Key
 Type: Number
 Description:

Select equivalent: K_SE_Storage_Volume.dsi_key_id
 Where equivalent:

Qualification: dimension
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Object: Storage System Key
 Type: Number
 Description:

Select equivalent: K_SE_StorageSystem.dsi_key_id
 Where equivalent:

Qualification: dimension
 List of values: no

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: hidden

Class:	3PAR Storage System Measures
Description:	

No objects

Class:	Raw 3PAR Storage System Measures
Description:	

Object: Raw Aggregate Measure
 Type: Number
 Description:

Select equivalent: `case "3PAR_SYSTEM_RAW_MEASURE".Measure
 when 'Total I/O Rate (Req
 /Sec)' then SR_SE_3PAR_St
 or_Sys_Stats.TotalIORate
 when 'Total Data Rate (By
 tes/Sec)' then SR_SE_3PAR
 _Stor_Sys_Stats.TotalData
 Rate
 else 0
 end`

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Raw Measure
 Type: Character
 Description:

Select equivalent: "3PAR_SYSTEM_RAW_MEASURE".Measure
 Where equivalent:

Qualification: dimension

List of values: 1q0, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Hourly 3PAR Storage System Measures
Description:	

Object: Hourly Aggregate Measure
 Type: Number
 Description:

Select equivalent: Case "3PAR_SYSTEM_HISTORY_MEASURE".Measure
 When 'Maximum Total I/O Rate (Req/Sec)' Then SH_SE
 _3PAR_Stor_Sys_Stats.MAXTotalIORate
 When 'Average Total I/O Rate (Req/Sec)' Then SH_SE
 _3PAR_Stor_Sys_Stats.AVGTotalIORate
 When 'Minimum Total I/O Rate (Req/Sec)' Then SH_SE
 _3PAR_Stor_Sys_Stats.MINTotalIORate
 When 'Maximum Total Data Rate (Bytes/Sec)' Then SH
 _SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate
 When 'Average Total Data Rate (Bytes/Sec)' Then SH
 _SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate
 When 'Minimum Total Data Rate (Bytes/Sec)' Then SH
 _SE_3PAR_Stor_Sys_Stats.MINTotalDataRate
 else 0
 End

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0

Can be used: in result, in condition, in sort
 Object status: show

Object: Hourly Measure
 Type: Character
 Description:

Select equivalent: "3PAR_SYSTEM_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1q2, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily 3PAR Storage System Measures
Description:	

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: Case "3PAR_SYSTEM_HISTORY_MEASURE".Measure
 When 'Maximum Total I/O Rate (Req/Sec)' Then SD_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate
 When 'Average Total I/O Rate (Req/Sec)' Then SD_SE_3PAR_Stor_Sys_Stats.AVGTotalIORate
 When 'Minimum Total I/O Rate (Req/Sec)' Then SD_SE_3PAR_Stor_Sys_Stats.MINTotalIORate
 When 'Maximum Total Data Rate (Bytes/Sec)' Then SD_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate
 When 'Average Total Data Rate (Bytes/Sec)' Then SD_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate

```

When 'Minimum Total Data
Rate (Bytes/Sec)' Then SD
_SE_3PAR_Stor_Sys_Stats.M
INTotalDataRate
else 0
End

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Daily Measure**
Type: Character
Description:

Select equivalent: "3PAR_SYSTEM_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1q3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	HourlyOLAP 3PAR Storage System Measures
Description:	

Object: **HourlyOLAP Aggregate Measure**
Type: Number
Description:

Select equivalent: Case "3PAR_SYSTEM_HISTORY_MEASURE".Measure
When 'Maximum Total I/O R
ate (Req/Sec)' Then max(S
H_SE_3PAR_Stor_Sys_Stats.
MAXTotalIORate)
When 'Average Total I/O R
ate (Req/Sec)' Then avg(S
H_SE_3PAR_Stor_Sys_Stats.
AVGTallIORate)

```

When 'Minimum Total I/O Rate (Req/Sec)' Then min(SH_SE_3PAR_Stor_Sys_Stats.MINTotalIORate)
When 'Maximum Total Data Rate (Bytes/Sec)' Then max(SH_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate)
When 'Average Total Data Rate (Bytes/Sec)' Then avg(SH_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate)
When 'Minimum Total Data Rate (Bytes/Sec)' Then min(SH_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate)
else 0
End

```

Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: HourlyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_SYSTEM_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1q6, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DailyOLAP 3PAR Storage System Measures
Description:	

Object: DailyOLAP Aggregate Measure

Type: Number

Description:

Select equivalent: Case "3PAR_SYSTEM_HISTORY_MEASURE".Measure
 When 'Maximum Total I/O Rate (Req/Sec)' Then max(SD_SE_3PAR_Stor_Sys_Stats.MAXTotalIORate)
 When 'Average Total I/O Rate (Req/Sec)' Then avg(SD_SE_3PAR_Stor_Sys_Stats.AVGTotalIORate)
 When 'Minimum Total I/O Rate (Req/Sec)' Then min(SD_SE_3PAR_Stor_Sys_Stats.MINTotalIORate)
 When 'Maximum Total Data Rate (Bytes/Sec)' Then max(SD_SE_3PAR_Stor_Sys_Stats.MAXTotalDataRate)
 When 'Average Total Data Rate (Bytes/Sec)' Then avg(SD_SE_3PAR_Stor_Sys_Stats.AVGTotalDataRate)
 When 'Minimum Total Data Rate (Bytes/Sec)' Then min(SD_SE_3PAR_Stor_Sys_Stats.MINTotalDataRate)
 else 0
 End

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: DailyOLAP Measure

Type: Character

Description:

Select equivalent: "3PAR_SYSTEM_HISTORY_MEASURE".Measure

Where equivalent:

Qualification: dimension
 List of values: 1q8, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	3PAR Volume Measures
Description:	

No objects

Class:	Raw 3PAR Volume Measures
Description:	

Object: Raw Aggregate Measure
 Type: Number
 Description:

Select equivalent:

```

case "3PAR_VOLUME_RAW_MEASURE".Measure
when 'Write Data Rate (Bytes/Sec)' then SR_SE_3PAR_
_Stor_Vol_Stats.WriteData
Rate
when 'Read Data Rate (Bytes/Sec)' then SR_SE_3PAR_
_Stor_Vol_Stats.ReadDataRa
te
when 'Total Data Rate (Req/Sec)' then SR_SE_3PAR_S
tor_Vol_Stats.TotalDataRa
te
when 'Read Hit Rate (Req/Sec)' then SR_SE_3PAR_Sto
r_Vol_Stats.ReadHitRate
when 'Average Read Size (Bytes)' then SR_SE_3PAR_S
tor_Vol_Stats.AvgReadSize
when 'Average Write Size (Bytes)' then SR_SE_3PAR_
Stor_Vol_Stats.AvgWriteSi
ze
when '% Reads I/Os' then SR_SE_3PAR_Stor_Vol_Stats.PctWritelOs
when '% Write I/Os' then SR_SE_3PAR_Stor_Vol_Stats.PctReadIOs
  
```

```

when '% Hit Rate' then SR_SE_3PAR_Stor_Vol_Stats.PctHitRate
when 'Write I/O Rate (Req
/Sec)' then SR_SE_3PAR_St
or_Vol_Stats.WriteRate
when 'Read I/O Rate (Req/
Sec)' then SR_SE_3PAR_Sto
r_Vol_Stats.ReadRate
when 'Total I/O Rate (Req
/Sec)' then SR_SE_3PAR_St
or_Vol_Stats.TotalIORate
when 'Average I/O Respons
e Time (ms)' then SR_SE_
3PAR_Stor_Vol_Stats.AvgIO
ResponseTime
when 'Average Read I/O Re
sponse Time (ms)' then S
R_SE_3PAR_Stor_Vol_Stats.
AvgReadIORespTime
when 'Average Write I/O R
esponse Time (ms)' then S
R_SE_3PAR_Stor_Vol_Stats.
AvgWriteIORespTime
when 'Average % Busy' the
n SR_SE_3PAR_Stor_Vol_Sta
ts.AvgPercentBusy
when 'Average Queue Depth
' then SR_SE_3PAR_Stor_Vo
l_Stats.AvgQueueDepth
when 'Delta Read Hit I/Os
(Req/Sec)' then SR_SE_3PA
R_Stor_Vol_Stats.DeltaRea
dHitIOs
when 'Delta Write I/Os (R
eq/Sec)' then SR_SE_3PAR_
Stor_Vol_Stats.DeltaWritel
Os
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort

Object status: show

Object: Raw Measure

Type: Character

Description:

Select equivalent: "3PAR_VOLUME_RAW_MEASURE".Measure

Where equivalent:

Qualification: dimension

List of values: 1qa, editable, manual refresh, not exportable

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Class:	Hourly 3PAR Volume Measures
--------	-----------------------------

Description:	
--------------	--

Object: Hourly Aggregate Measure

Type: Number

Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure

when 'Maximum Write Data

Rate (Bytes/Sec)' then SH

_SE_3PAR_Stor_Vol_Stats.M

AXWriteDataRate

when 'Minimum Write Data

Rate (Bytes/Sec)' then SH

_SE_3PAR_Stor_Vol_Stats.M

INWriteDataRate

when 'Average Write Data

Rate (Bytes/Sec)' then SH

_SE_3PAR_Stor_Vol_Stats.A

VGWriteDataRate

when 'Maximum Read Data

Rate (Bytes/Sec)' then SH

_SE_3PAR_Stor_Vol_Stats.M

AXReadDataRate

when 'Minimum Read Data R

ate (Bytes/Sec)' then SH_

SE_3PAR_Stor_Vol_Stats.MI

NReadDataRate

when 'Average Read Data R

ate (Bytes/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.AV
GReadDataRate
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.MAX
TotalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.MIN
TotalDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.AVG
TotalDataRate
when 'Maximum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.MAXRe
adHitRate
when 'Minimum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.MINRe
adHitRate
when 'Average Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.AVGRe
adHitRate
when 'Maximum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.M
AXAvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.M
INAvgReadSize
when 'Average of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.A
VGAvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.
MAXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.

MINAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.
AVGAvgWriteSize
when 'Maximum % Write I/
Os' then SH_SE_3PAR_Stor_
Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate'
then SH_SE_3PAR_Stor_Vol
_Stats.MAXPctHitRate
when 'Minimum % Hit Rate'
then SH_SE_3PAR_Stor_Vol
_Stats.MINPctHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MAX
WriteRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MINW
riteRate
when 'Average Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.AVG
WriteRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MAXR
eadRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.MINRe
adRate
when 'Average Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.AVGRe

adRate
when 'Maximum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate
when 'Minimum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MINTotalIORate
when 'Average Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate
when 'Maximum of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MAXAvgIORResponseTime
when 'Minimum of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MINAvgIORResponseTime
when 'Average of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.AVGAvgIORResponseTime
when 'Maximum of Average Read I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIOResponseTime
when 'Minimum of Average Read I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadIOResponseTime
when 'Average of Average Read I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIOResponseTime
when 'Maximum of Average Write I/O Response Time (ms)' then SH_SE_3PAR_Stor

_Vol_Stats.MAXAvgWriteIOR
espTime
when 'Minimum of Average
Write I/O Response Time (
ms)' then SH_SE_3PAR_Stor
_Vol_Stats.MINAvgWriteIOR
espTime
when 'Average of Average
Write I/O Response Time (
ms)' then SH_SE_3PAR_Stor
_Vol_Stats.AVGAvgWriteIOR
espTime
when 'Maximum of Average
% Busy' then SH_SE_3PAR_
Stor_Vol_Stats.MAXAvgPerc
entBusy
when 'Minimum of Average
% Busy' then SH_SE_3PAR_
Stor_Vol_Stats.MINAvgPerc
entBusy
when 'Maximum of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.MAXAvg
QueueDepth
when 'Minimum of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.MINAvg
QueueDepth
when 'Average of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.AVGAvg
QueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SH_

```

SE_3PAR_Stor_Vol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
  I/Os (Req/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
  I/Os (Req/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.AV
GDeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hourly Measure
 Type: Character
 Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1qc, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily 3PAR Volume Measures
Description:	

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then SD

_SE_3PAR_Stor_Vol_Stats.M
AXWriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Stor_Vol_Stats.M
INWriteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Stor_Vol_Stats.A
VGWriteDataRate
when 'Maximum Read Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Stor_Vol_Stats.M
AXReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.MI
NReadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.AV
GReadDataRate
when 'Maximum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Stor_Vol_Stats.MAX
TotalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Stor_Vol_Stats.MIN
TotalDataRate
when 'Average Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Stor_Vol_Stats.AVG
TotalDataRate
when 'Maximum Read Hit Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.MAXRe
adHitRate
when 'Minimum Read Hit Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.MINRe
adHitRate
when 'Average Read Hit Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.AVGRe
adHitRate

when 'Maximum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Stor_Vol_Stats.M
AXAvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Stor_Vol_Stats.M
INAvgReadSize
when 'Average of Average
Read Size (Bytes)' then SD
_SE_3PAR_Stor_Vol_Stats.A
VGAvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Stor_Vol_Stats.
MAXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Stor_Vol_Stats.
MINAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
D_SE_3PAR_Stor_Vol_Stats.
AVGAvgWriteSize
when 'Maximum % Write I/
Os' then SD_SE_3PAR_Stor_
Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SD_SE_3PAR_Stor_V
ol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SD_SE_3PAR_Stor_V
ol_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SD_SE_3PAR_Stor_V
ol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate'
then SD_SE_3PAR_Stor_Vol
_Stats.MAXPctHitRate
when 'Minimum % Hit Rate'
then SD_SE_3PAR_Stor_Vol
_Stats.MINPctHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MAX
WriteRate

when 'Minimum Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINWriteRate

when 'Average Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGWriteRate

when 'Maximum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXReadRate

when 'Minimum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINReadRate

when 'Average Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGReadRate

when 'Maximum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate

when 'Minimum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINTotalIORate

when 'Average Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate

when 'Maximum of Average I/O Response Time (ms)' then SD_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime

when 'Minimum of Average I/O Response Time (ms)' then SD_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime

when 'Average of Average I/O Response Time (ms)' then SD_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime

me

when 'Maximum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.MAXAvgReadIORes
pTime

when 'Minimum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.MINAvgReadIORes
pTime

when 'Average of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.AVGAvgReadIORes
pTime

when 'Maximum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor_
_Vol_Stats.MAXAvgWriteIOR
espTime

when 'Minimum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor_
_Vol_Stats.MINAvgWriteIOR
espTime

when 'Average of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor_
_Vol_Stats.AVGAvgWriteIOR
espTime

when 'Maximum of Average
% Busy' then SD_SE_3PAR_
Stor_Vol_Stats.MAXAvgPerc
entBusy

when 'Minimum of Average
% Busy' then SD_SE_3PAR_
Stor_Vol_Stats.MINAvgPerc
entBusy

when 'Maximum of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.MAXAvg
QueueDepth

when 'Minimum of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.MINAvg

```

QueueDepth
when 'Average of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.AVGAvg
QueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.AV
GDeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	Daily Measure
Type:	Character
Description:	

Select equivalent:	"3PAR_VOLUME_HISTORY_MEASURE".Measure
--------------------	---------------------------------------

Where equivalent:

Qualification: dimension
 List of values: 1qd, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP 3PAR Volume Measures
Description:	

Object: HourlyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then MA
 X(SH_SE_3PAR_Stor_Vol_St
 ats.MAXWriteDataRate)
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then MI
 N(SH_SE_3PAR_Stor_Vol_St
 ats.MINWriteDataRate)
 when 'Average Write Data
 Rate (Bytes/Sec)' then AV
 G(SH_SE_3PAR_Stor_Vol_St
 ats.AVGWriteDataRate)
 when 'Maximum Read Data
 Rate (Bytes/Sec)' then MA
 X(SH_SE_3PAR_Stor_Vol_St
 ats.MAXReadDataRate)
 when 'Minimum Read Data R
 ate (Bytes/Sec)' then MIN(
 SH_SE_3PAR_Stor_Vol_Stats
 .MINReadDataRate)
 when 'Average Read Data R
 ate (Bytes/Sec)' then AVG(
 SH_SE_3PAR_Stor_Vol_Stats
 .AVGReadDataRate)
 when 'Maximum Total Data
 Rate (Req/Sec)' then MAX(
 SH_SE_3PAR_Stor_Vol_Stats
 .MAXTotalDataRate)
 when 'Minimum Total Data

```
Rate (Req/Sec)' then MIN(
SH_SE_3PAR_Stor_Vol_Stats
.MINTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SH_SE_3PAR_Stor_Vol_Stats
.AVGTotalDataRate)
when 'Maximum Read Hit Ra
te (Req/Sec)' then MAX(SH
_SE_3PAR_Stor_Vol_Stats.M
AXReadHitRate)
when 'Minimum Read Hit Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_Stor_Vol_Stats.M
INReadHitRate)
when 'Average Read Hit Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Stor_Vol_Stats.A
VGReadHitRate)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SH_SE_3PAR_Stor_Vol_S
tats.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SH_SE_3PAR_Stor_Vol_St
ats.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SH_SE_3PAR_Stor_Vol_St
ats.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SH_SE_3PAR_Stor_Vol_S
tats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SH_SE_3PAR_Stor_Vol_St
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_Stor_Vol_S
tats.AVGAvgWriteSize)
when 'Maximum % Write I/
Os' then MAX(SH_SE_3PAR_
Stor_Vol_Stats.MAXPctWrit
```

eIOs)
when 'Minimum % Write I/O
s' then MIN(SH_SE_3PAR_St
or_Vol_Stats.MINPctWriteI
Os)
when 'Maximum % Read I/O
s' then MAX(SH_SE_3PAR_St
or_Vol_Stats.MAXPctReadIO
s)
when 'Minimum % Read I/O
s' then MIN(SH_SE_3PAR_St
or_Vol_Stats.MINPctReadIO
s)
when 'Maximum % Hit Rate'
then MAX(SH_SE_3PAR_Sto
r_Vol_Stats.MAXPctHitRate
)
when 'Minimum % Hit Rate'
then MIN(SH_SE_3PAR_Stor
_Vol_Stats.MINPctHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Stor_Vol_Stats.
MAXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Stor_Vol_Stats.
MINWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Stor_Vol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Stor_Vol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_Stor_Vol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Stor_Vol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S

H_SE_3PAR_Stor_Vol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Stor_Vol_Stats.
MINTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Stor_Vol_Stats.
AVGTotalIORate)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SH_SE_3PAR_Stor_
Vol_Stats.MAXAvgIORespons
eTime)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SH_SE_3PAR_Stor_
Vol_Stats.MINAvgIORespons
eTime)
when 'Average of Average
I/O Response Time (ms)' t
hen AVG(SH_SE_3PAR_Stor_
Vol_Stats.AVGAvgIORespons
eTime)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SH_SE_3PAR_S
tor_Vol_Stats.MAXAvgReadI
ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SH_SE_3PAR_S
tor_Vol_Stats.MINAvgReadI
ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SH_SE_3PAR_S
tor_Vol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (m
s)' then MAX(SH_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
telORespTime)
when 'Minimum of Average

Write I/O Response Time (ms)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime)
when 'Average of Average Write I/O Response Time (ms)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime)
when 'Maximum of Average % Busy' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy)
when 'Minimum of Average % Busy' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy)
when 'Maximum of Average Queue Depth' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth)
when 'Minimum of Average Queue Depth' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth)
when 'Average of Average Queue Depth' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth)
when 'Maximum Delta Read Hit I/Os (Req/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIos)
when 'Minimum Delta Read Hit I/Os (Req/Sec)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIos)
when 'Average Delta Read Hit I/Os (Req/Sec)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIos)
when 'Maximum Delta Write I/Os (Req/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIos)
when 'Minimum Delta Write

```

I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_Stor_Vol_Stats
.MINDeltaWriteI/Os)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SH_SE_3PAR_Stor_Vol_Stat
s.AVGDeltaWriteI/Os)
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: HourlyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1qg, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DailyOLAP 3PAR Volume Measures
Description:	

Object: DailyOLAP Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Stor_Vol_St
ats.MAXWriteDataRate)
when 'Minimum Write Data

```
Rate (Bytes/Sec)' then MI
N(SD_SE_3PAR_Stor_Vol_St
ats.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_Stor_Vol_St
ats.AVGWriteDataRate)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Stor_Vol_St
ats.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_Stor_Vol_Stats
.MINReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_Stor_Vol_Stats
.AVGReadDataRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SD_SE_3PAR_Stor_Vol_Stats
.MAXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SD_SE_3PAR_Stor_Vol_Stats
.MINTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SD_SE_3PAR_Stor_Vol_Stats
.AVGTotalDataRate)
when 'Maximum Read Hit Ra
te (Req/Sec)' then MAX(SD
_SE_3PAR_Stor_Vol_Stats.M
AXReadHitRate)
when 'Minimum Read Hit Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_Stor_Vol_Stats.M
INReadHitRate)
when 'Average Read Hit Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Stor_Vol_Stats.A
VGReadHitRate)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SD_SE_3PAR_Stor_Vol_S
```

```

tats.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SD_SE_3PAR_Stor_Vol_St
ats.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SD_SE_3PAR_Stor_Vol_St
ats.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SD_SE_3PAR_Stor_Vol_S
tats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SD_SE_3PAR_Stor_Vol_St
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_Stor_Vol_S
tats.AVGAvgWriteSize)
when 'Maximum % Write I/
Os' then MAX(SD_SE_3PAR_
Stor_Vol_Stats.MAXPctWrit
eIOs)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_St
or_Vol_Stats.MINPctWriteI
Os)
when 'Maximum % Read I/O
s' then MAX(SD_SE_3PAR_St
or_Vol_Stats.MAXPctReadIO
s)
when 'Minimum % Read I/O
s' then MIN(SD_SE_3PAR_St
or_Vol_Stats.MINPctReadIO
s)
when 'Maximum % Hit Rate'
then MAX(SD_SE_3PAR_Sto
r_Vol_Stats.MAXPctHitRate
)
when 'Minimum % Hit Rate'
then MIN(SD_SE_3PAR_Stor
_Vol_Stats.MINPctHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S

```

D_SE_3PAR_Stor_Vol_Stats.
MAXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Stor_Vol_Stats.
MINWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Stor_Vol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Stor_Vol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_Stor_Vol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Stor_Vol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Stor_Vol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Stor_Vol_Stats.
MINTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Stor_Vol_Stats.
AVGTotalIORate)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SD_SE_3PAR_Stor_
Vol_Stats.MAXAvgIORespons
eTime)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SD_SE_3PAR_Stor_
Vol_Stats.MINAvgIORespons
eTime)
when 'Average of Average
I/O Response Time (ms)' t

then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime)
when 'Maximum of Average Read I/O Response Time (ms)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime)
when 'Minimum of Average Read I/O Response Time (ms)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime)
when 'Average of Average Read I/O Response Time (ms)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime)
when 'Maximum of Average Write I/O Response Time (ms)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime)
when 'Minimum of Average Write I/O Response Time (ms)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime)
when 'Average of Average Write I/O Response Time (ms)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIORespTime)
when 'Maximum of Average % Busy' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy)
when 'Minimum of Average % Busy' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy)
when 'Maximum of Average Queue Depth' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth)
when 'Minimum of Average

```

Queue Depth' then MIN(SD_
SE_3PAR_Stor_Vol_Stats.MI
NAvgQueueDepth)
when 'Average of Average
Queue Depth' then AVG(SD_
SE_3PAR_Stor_Vol_Stats.AV
GAvgQueueDepth)
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then M
AX(SD_SE_3PAR_Stor_Vol_S
tats.MAXDeltaReadHitIOs)
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then M
IN(SD_SE_3PAR_Stor_Vol_St
ats.MINDeltaReadHitIOs)
when 'Average Delta Read
Hit I/Os (Req/Sec)' then A
VG(SD_SE_3PAR_Stor_Vol_S
tats.AVGDeltaReadHitIOs)
when 'Maximum Delta Write
I/Os (Req/Sec)' then MAX
(SD_SE_3PAR_Stor_Vol_Stat
s.MAXDeltaWriteIOs)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SD_SE_3PAR_Stor_Vol_Stats
.MINDeltaWriteIOs)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SD_SE_3PAR_Stor_Vol_Stat
s.AVGDeltaWriteIOs)
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	Min
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	DailyOLAP Measure
Type:	Character
Description:	

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1qi, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	3PAR Controller Measures
Description:	

No objects

Class:	Raw 3PAR Controller Measures
Description:	

Object: Raw Measure
Type: Character
Description:

Select equivalent: "3PAR_CNTRLR_MEASURE_RAW".Measure
Where equivalent:

Qualification: dimension
List of values: 3jv, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_CNTRLR_MEASURE_RAW".Measure
when '%Read I/Os' then SR_SE_3PAR_Cntrlr_Stats.PctReadIOs
when '%Write I/Os' then SR_SE_3PAR_Cntrlr_Stats.PctWriteIOs
when 'Average Read Size (Bytes)' then SR_SE_3PAR_Cntrlr_Stats.AvgReadSize
when 'Average Write Size (Bytes)' then SR_SE_3PAR_Cntrlr_Stats.AvgWriteSize

```

Cntrlr_Stats.AvgWriteSize
when 'I/O Response Time (
ms)' then SR_SE_3PAR_Cntr
lr_Stats.IOResponseTime
when '% Hits' then SR_SE_3PAR_Cntrlr_Stats.PctHitIOs
when 'Queue Depth' then SR_SE_3PAR_Cntrlr_Stats.QueueDepth
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
Cntrlr_Stats.ReadDataRate
when 'Read I/O Rate(Req/S
ec)' then SR_SE_3PAR_Cntr
lr_Stats.ReadRate
when 'Service Time (ms)' t
hen SR_SE_3PAR_Cntrlr_Sta
ts.ServiceTime
when 'Total Data Rate (By
tes/Sec)' then SR_SE_3PAR
_Cntrlr_Stats.TotalDataRat
e
when 'Total I/O Rate (Req
/Sec)' then SR_SE_3PAR_Cn
trlr_Stats.TotalIORate
when '%Utilization' then SR_SE_3PAR_Cntrlr_Stats.Utilization
when 'Write Data Rate (By
tes/Sec)' then SR_SE_3PAR
_Cntrlr_Stats.WriteDataRa
te
when 'Write Hit Rate (Req
/Sec)' then SR_SE_3PAR_Cn
trlr_Stats.WriteHitRate
when 'Write I/O Rate (Req
/Sec)' then SR_SE_3PAR_Cn
trlr_Stats.WriteRate
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Class:	Hourly 3PAR Controller Measures
Description:	

Object: Hourly Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_CNTRL_HISTORY_MEASURE".Measure
when 'Maximum % Read I/O
s' then SH_SE_3PAR_Cntrlr
_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SH_SE_3PAR_Cntrlr
_Stats.MINPctReadIOs
when 'Maximum % Write I/
Os' then SH_SE_3PAR_Cntrlr
_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SH_SE_3PAR_Cntrlr
_Stats.MINPctWriteIOs
when 'Maximum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Cntrlr_Stats.MAX
AvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Cntrlr_Stats.MIN
AvgReadSize
when 'Average of Average
Read Size (Bytes)' then SH
_SE_3PAR_Cntrlr_Stats.AVG
AvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Cntrlr_Stats.MA
XAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Cntrlr_Stats.MI
NAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
H_SE_3PAR_Cntrlr_Stats.AV
GAvgWriteSize
when 'Maximum I/O Respon
se Time (ms)' then SH_SE_
3PAR_Cntrlr_Stats.MAXIORe

sponseTime
when 'Minimum I/O Response Time (ms)' then SH_SE_3PAR_Cntrlr_Stats.MINIOResponseTime
when 'Average I/O Response Time (ms)' then SH_SE_3PAR_Cntrlr_Stats.AVGIOResponseTime
when 'Maximum % Hits' then SH_SE_3PAR_Cntrlr_Stats.MAXPctHitIOs
when 'Minimum % Hits' then SH_SE_3PAR_Cntrlr_Stats.MINPctHitIOs
when 'Maximum Queue Depth' then SH_SE_3PAR_Cntrlr_Stats.MAXQueueDepth
when 'Minimum Queue Depth' then SH_SE_3PAR_Cntrlr_Stats.MINQueueDepth
when 'Average Queue Depth' then SH_SE_3PAR_Cntrlr_Stats.AVGQueueDepth
when 'Maximum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Cntrlr_Stats.MAXReadDataRate
when 'Minimum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Cntrlr_Stats.MINReadDataRate
when 'Average Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Cntrlr_Stats.AVGRReadDataRate
when 'Maximum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Cntrlr_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Cntrlr_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SH_SE_

3PAR_Cntrlr_Stats.AVGRead
Rate
when 'Maximum Service Tim
e (ms)' then SH_SE_3PAR_C
ntrlr_Stats.MAXServiceTim
e
when 'Minimum Service Tim
e (ms)' then SH_SE_3PAR_C
ntrlr_Stats.MINServiceTim
e
when 'Average Service Tim
e (ms)' then SH_SE_3PAR_C
ntrlr_Stats.AVGServiceTim
e
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Cntrlr_Stats.MAXTo
talDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Cntrlr_Stats.MINTo
talDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Cntrlr_Stats.AVGTo
talDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MAXTot
alIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MINTot
alIORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.AVGTot
alIORate
when 'Maximum % Utilizati
on' then SH_SE_3PAR_Cntrl
r_Stats.MAXUtilization
when 'Minimum % Utilizati
on' then SH_SE_3PAR_Cntrl
r_Stats.MINUtilization
when 'Maximum Write Data
Rate (Bytes/Sec)' then SH

```

_SE_3PAR_Cntrlr_Stats.MAX
WriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Cntrlr_Stats.MIN
WriteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Cntrlr_Stats.AVG
WriteDataRate
when 'Maximum Write Hit R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MAXWri
teHitRate
when 'Minimum Write Hit R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MINWri
teHitRate
when 'Average Write Hit R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.AVGWri
teHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MAXWri
teRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MINWri
teRate
when 'Average Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.AVGWri
teRate
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object: Hourly Measure
 Type: Character
 Description:

Select equivalent: "3PAR_CNTRL_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1pg, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily 3PAR Controller Measures
Description:	

Object: Daily Measure
 Type: Character
 Description:

Select equivalent: "3PAR_CNTRL_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1ph, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_CNTRL_HISTORY_MEASURE".Measure
 when 'Maximum % Read I/O
 s' then SD_SE_3PAR_Cntrlr
 _Stats.MAXPctReadIOs
 when 'Minimum % Read I/O
 s' then SD_SE_3PAR_Cntrlr
 _Stats.MINPctReadIOs
 when 'Maximum % Write I/
 Os' then SD_SE_3PAR_Cntrl
 r_Stats.MAXPctWriteIOs
 when 'Minimum % Write I/O

s' then SD_SE_3PAR_Cntrlr
_Stats.MINPctWritelOs
when 'Maximum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Cntrlr_Stats.MAX
AvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Cntrlr_Stats.MIN
AvgReadSize
when 'Average of Average
Read Size (Bytes)' then SD
_SE_3PAR_Cntrlr_Stats.AVG
AvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Cntrlr_Stats.MA
XAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Cntrlr_Stats.MI
NAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
D_SE_3PAR_Cntrlr_Stats.AV
GAvgWriteSize
when 'Maximum I/O Respon
se Time (ms)' then SD_SE_
3PAR_Cntrlr_Stats.MAXIORe
sponseTime
when 'Minimum I/O Respons
e Time (ms)' then SD_SE_3
PAR_Cntrlr_Stats.MINIORes
ponseTime
when 'Average I/O Respons
e Time (ms)' then SD_SE_3
PAR_Cntrlr_Stats.AVGIORes
ponseTime
when 'Maximum % Hits' the
n SD_SE_3PAR_Cntrlr_Stats
.MAXPctHitIOs
when 'Minimum % Hits' the
n SD_SE_3PAR_Cntrlr_Stats
.MINPctHitIOs
when 'Maximum Queue Dept
h' then SD_SE_3PAR_Cntrlr

_Stats.MAXQueueDepth
when 'Minimum Queue Depth' then SD_SE_3PAR_Cntrlr_Stats.MINQueueDepth
when 'Average Queue Depth' then SD_SE_3PAR_Cntrlr_Stats.AVGQueueDepth
when 'Maximum Read Data Rate (Bytes/Sec)' then SD_SE_3PAR_Cntrlr_Stats.MAXReadDataRate
when 'Minimum Read Data Rate (Bytes/Sec)' then SD_SE_3PAR_Cntrlr_Stats.MINReadDataRate
when 'Average Read Data Rate (Bytes/Sec)' then SD_SE_3PAR_Cntrlr_Stats.AVGReadDataRate
when 'Maximum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Cntrlr_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Cntrlr_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Cntrlr_Stats.AVGReadRate
when 'Maximum Service Time (ms)' then SD_SE_3PAR_Cntrlr_Stats.MAXServiceTime
when 'Minimum Service Time (ms)' then SD_SE_3PAR_Cntrlr_Stats.MINServiceTime
when 'Average Service Time (ms)' then SD_SE_3PAR_Cntrlr_Stats.AVGServiceTime
when 'Maximum Total Data Rate (Req/Sec)' then SD_SE_3PAR_Cntrlr_Stats.MAXTo

talDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Cntrlr_Stats.MINTo
talDataRate
when 'Average Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Cntrlr_Stats.AVGTo
talDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MAXTot
allORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MINTot
allORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.AVGTot
allORate
when 'Maximum % Utilizati
on' then SD_SE_3PAR_Cntrl
r_Stats.MAXUtilization
when 'Minimum % Utilizati
on' then SD_SE_3PAR_Cntrl
r_Stats.MINUtilization
when 'Maximum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Cntrlr_Stats.MAX
WriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Cntrlr_Stats.MIN
WriteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Cntrlr_Stats.AVG
WriteDataRate
when 'Maximum Write Hit R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MAXWri
teHitRate
when 'Minimum Write Hit R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MINWri

```

teHitRate
when 'Average Write Hit R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.AVGWri
teHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MAXWri
teRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MINWri
teRate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.AVGWri
teRate
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Class:	HourlyOLAP 3PAR Controller Measures
Description:	

Object:	HourlyOLAP Aggregate Measure
Type:	Number
Description:	

Select equivalent:	<pre> case "3PAR_CNTRL_HISTORY_MEASURE".Measure when 'Maximum % Read I/O s' then MAX(SH_SE_3PAR_C ntrlr_Stats.MAXPctReadIOs) when 'Minimum % Read I/O s' then MIN(SH_SE_3PAR_Cn trlr_Stats.MINPctReadIOs) when 'Maximum % Write I/ Os' then MAX(SH_SE_3PAR_ </pre>
--------------------	---

Cntrlr_Stats.MAXPctWriteI
Os)
when 'Minimum % Write I/O
s' then MIN(SH_SE_3PAR_Cn
trlr_Stats.MINPctWriteIOs)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SH_SE_3PAR_Cntrlr_Stat
s.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SH_SE_3PAR_Cntrlr_Stats
.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SH_SE_3PAR_Cntrlr_Stats
.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SH_SE_3PAR_Cntrlr_Stat
s.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SH_SE_3PAR_Cntrlr_Stat
s.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_Cntrlr_Stat
s.AVGAvgWriteSize)
when 'Maximum I/O Respon
se Time (ms)' then MAX(SH
_SE_3PAR_Cntrlr_Stats.MAX
IOResponseTime)
when 'Minimum I/O Respon
se Time (ms)' then MIN(SH_
SE_3PAR_Cntrlr_Stats.MINI
OResponseTime)
when 'Average I/O Respon
se Time (ms)' then AVG(SH_
SE_3PAR_Cntrlr_Stats.AVGI
OResponseTime)
when 'Maximum % Hits' the
n MAX(SH_SE_3PAR_Cntrlr_
Stats.MAXPctHitIOs)
when 'Minimum % Hits' the
n MIN(SH_SE_3PAR_Cntrlr_S

tats.MINPctHitIOs)
when 'Maximum Queue Depth' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXQueueDepth)
)
when 'Minimum Queue Depth' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINQueueDepth)
)
when 'Average Queue Depth' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGQueueDepth)
when 'Maximum Read Data Rate (Bytes/Sec)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXReadDataRate)
when 'Minimum Read Data Rate (Bytes/Sec)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINReadDataRate)
when 'Average Read Data Rate (Bytes/Sec)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGReadDataRate)
when 'Maximum Read I/O Rate (Req/Sec)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXReadRate)
when 'Minimum Read I/O Rate (Req/Sec)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINReadRate)
when 'Average Read I/O Rate (Req/Sec)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGReadRate)
when 'Maximum Service Time (ms)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXServiceTime)
when 'Minimum Service Time (ms)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINServiceTime)
when 'Average Service Time (ms)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGServiceTime)

AR_Cntrlr_Stats.AVGServiceTime)
when 'Maximum Total Data Rate (Req/Sec)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXTotalDataRate)
when 'Minimum Total Data Rate (Req/Sec)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINTotalDataRate)
when 'Average Total Data Rate (Req/Sec)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGTotalDataRate)
when 'Maximum Total I/O Rate (Req/Sec)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXTotalIORate)
when 'Minimum Total I/O Rate (Req/Sec)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINTotalIORate)
when 'Average Total I/O Rate (Req/Sec)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGTotalIORate)
when 'Maximum % Utilization' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXUtilization)
when 'Minimum % Utilization' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINUtilization)
when 'Maximum Write Data Rate (Bytes/Sec)' then MAX(SH_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate)
when 'Minimum Write Data Rate (Bytes/Sec)' then MIN(SH_SE_3PAR_Cntrlr_Stats.MINWriteDataRate)
when 'Average Write Data Rate (Bytes/Sec)' then AVG(SH_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate)

```

when 'Maximum Write Hit R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Cntrlr_Stats.MA
XWriteHitRate)
when 'Minimum Write Hit R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Cntrlr_Stats.MI
NWriteHitRate)
when 'Average Write Hit R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Cntrlr_Stats.AV
GWriteHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Cntrlr_Stats.MA
XWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Cntrlr_Stats.MI
NWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Cntrlr_Stats.AV
GWriteRate)
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	Min
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	HourlyOLAP Measure
Type:	Character
Description:	

Select equivalent:	"3PAR_CNTRL_HISTORY_MEASURE".Measure
Where equivalent:	

Qualification:	dimension
List of values:	1pi, editable, manual refresh, not exportable
Security access level:	0

Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP 3PAR Controller Measures
Description:	

Object: DailyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_CNTRL_HISTORY_MEASURE".Measure
 when 'Maximum % Read I/O
 s' then MAX(SD_SE_3PAR_C
 ntrlr_Stats.MAXPctReadIOs
)
 when 'Minimum % Read I/O
 s' then MIN(SD_SE_3PAR_Cn
 trlr_Stats.MINPctReadIOs)
 when 'Maximum % Write I/
 Os' then MAX(SD_SE_3PAR_
 Cntrlr_Stats.MAXPctWritel
 Os)
 when 'Minimum % Write I/O
 s' then MIN(SD_SE_3PAR_Cn
 trlr_Stats.MINPctWritelOs)
 when 'Maximum of Average
 Read Size (Bytes)' then M
 AX(SD_SE_3PAR_Cntrlr_Stat
 s.MAXAvgReadSize)
 when 'Minimum of Average
 Read Size (Bytes)' then MI
 N(SD_SE_3PAR_Cntrlr_Stats
 .MINAvgReadSize)
 when 'Average of Average
 Read Size (Bytes)' then AV
 G(SD_SE_3PAR_Cntrlr_Stats
 .AVGAvgReadSize)
 when 'Maximum of Average
 Write Size (Bytes)' then M
 AX(SD_SE_3PAR_Cntrlr_Stat
 s.MAXAvgWriteSize)
 when 'Minimum of Average
 Write Size (Bytes)' then M
 IN(SD_SE_3PAR_Cntrlr_Stat
 s.MINAvgWriteSize)

when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_Cntrlr_Stat
s.AVGAvgWriteSize)
when 'Maximum I/O Respon
se Time (ms)' then MAX(SD
_SE_3PAR_Cntrlr_Stats.MAX
IOResponseTime)
when 'Minimum I/O Respon
se Time (ms)' then MIN(SD_
SE_3PAR_Cntrlr_Stats.MINI
OResponseTime)
when 'Average I/O Respon
se Time (ms)' then AVG(SD_
SE_3PAR_Cntrlr_Stats.AVGI
OResponseTime)
when 'Maximum % Hits' the
n MAX(SD_SE_3PAR_Cntrlr_
Stats.MAXPctHitIOs)
when 'Minimum % Hits' the
n MIN(SD_SE_3PAR_Cntrlr_S
tats.MINPctHitIOs)
when 'Maximum Queue Dept
h' then MAX(SD_SE_3PAR_C
ntrlr_Stats.MAXQueueDepth
)
when 'Minimum Queue Dept
h' then MIN(SD_SE_3PAR_C
ntrlr_Stats.MINQueueDepth
)
when 'Average Queue Depth
' then AVG(SD_SE_3PAR_Cnt
rlr_Stats.AVGQueueDepth)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Cntrlr_Stats
.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_Cntrlr_Stats.M
INReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_Cntrlr_Stats.A
VGReadDataRate)
when 'Maximum Read I/O R

ate (Req/Sec)' then MAX(S
D_SE_3PAR_Cntrlr_Stats.MA
XReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_Cntrlr_Stats.MIN
ReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Cntrlr_Stats.AVG
ReadRate)
when 'Maximum Service Tim
e (ms)' then MAX(SD_SE_3P
AR_Cntrlr_Stats.MAXServic
eTime)
when 'Minimum Service Tim
e (ms)' then MIN(SD_SE_3P
AR_Cntrlr_Stats.MINServic
eTime)
when 'Average Service Tim
e (ms)' then AVG(SD_SE_3P
AR_Cntrlr_Stats.AVGServic
eTime)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SD_SE_3PAR_Cntrlr_Stats.M
AXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SD_SE_3PAR_Cntrlr_Stats.M
INTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SD_SE_3PAR_Cntrlr_Stats.A
VGTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Cntrlr_Stats.MA
XTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Cntrlr_Stats.MI
NTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Cntrlr_Stats.AV

```
GTotallORate)
when 'Maximum % Utilization' then MAX(SD_SE_3PAR_Cntrlr_Stats.MAXUtilization)
when 'Minimum % Utilization' then MIN(SD_SE_3PAR_Cntrlr_Stats.MINUtilization)
when 'Maximum Write Data Rate (Bytes/Sec)' then MAX(SD_SE_3PAR_Cntrlr_Stats.MAXWriteDataRate)
when 'Minimum Write Data Rate (Bytes/Sec)' then MIN(SD_SE_3PAR_Cntrlr_Stats.MINWriteDataRate)
when 'Average Write Data Rate (Bytes/Sec)' then AVG(SD_SE_3PAR_Cntrlr_Stats.AVGWriteDataRate)
when 'Maximum Write Hit Rate (Req/Sec)' then MAX(SD_SE_3PAR_Cntrlr_Stats.MAXWriteHitRate)
when 'Minimum Write Hit Rate (Req/Sec)' then MIN(SD_SE_3PAR_Cntrlr_Stats.MINWriteHitRate)
when 'Average Write Hit Rate (Req/Sec)' then AVG(SD_SE_3PAR_Cntrlr_Stats.AVGWriteHitRate)
when 'Maximum Write I/O Rate (Req/Sec)' then MAX(SD_SE_3PAR_Cntrlr_Stats.MAXWriteRate)
when 'Minimum Write I/O Rate (Req/Sec)' then MIN(SD_SE_3PAR_Cntrlr_Stats.MINWriteRate)
when 'Average Write I/O Rate (Req/Sec)' then AVG(SD_SE_3PAR_Cntrlr_Stats.AVGWriteRate)
else 0
```

end

Where equivalent:

Qualification: measure

Aggregate function: Min

List of values: no

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Object: DailyOLAP Measure

Type: Character

Description:

Select equivalent: "3PAR_CNTRL_HISTORY_MEASURE".Measure

Where equivalent:

Qualification: dimension

List of values: 1pj, editable, manual refresh, not exportable

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Class:	3PAR Disk Measures
Description:	

No objects

Class:	Raw 3PAR Disk Measures
Description:	

Object: Raw Aggregate Measure

Type: Number

Description:

Select equivalent: case "3PAR_DISK_RAW_MEASURE".Measure
 when '% Read I/Os' then SR_SE_3PAR_Disk_Stats.PctWriteIos
 when '% Write I/Os' then SR_SE_3PAR_Disk_Stats.PctReadIos
 when 'Average I/O Respons
 e Time (ms)' then SR_SE_3
 PAR_Disk_Stats.AvgIORespo
 nseTime
 when 'Average Queue Depth

```

' then SR_SE_3PAR_Disk_Stats.AvgQueueDepth
when 'Average Read Size (Bytes)' then SR_SE_3PAR_Disk_Stats.AvgReadSize
when 'Average Write Size (Bytes)' then SR_SE_3PAR_Disk_Stats.AvgWriteSize
when 'Read Data Rate (Bytes/Sec)' then SR_SE_3PAR_Disk_Stats.ReadDataRate
when 'Read I/O Rate (Req/Sec)' then SR_SE_3PAR_Disk_Stats.ReadRate
when 'Total Data Rate (Bytes/Sec)' then SR_SE_3PAR_Disk_Stats.TotalDataRate
when 'Total I/O Rate (Req/Sec)' then SR_SE_3PAR_Disk_Stats.TotalIORate
when 'Write Data Rate (Bytes/Sec)' then SR_SE_3PAR_Disk_Stats.WriteDataRate
when 'Write I/O Rate (Req/Sec)' then SR_SE_3PAR_Disk_Stats.WriteRate
when 'Average Read I/O Response Time (ms)' then SR_SE_3PAR_Disk_Stats.AvgReadIORespTime
when 'Average Write I/O Response Time (ms)' then SR_SE_3PAR_Disk_Stats.AvgWriteIORespTime
when 'Average % Busy' then SR_SE_3PAR_Disk_Stats.AvgPercentBusy
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort

Object status: show

Object: Raw Measure

Type: Character

Description:

Select equivalent: "3PAR_DISK_RAW_MEASURE".Measure

Where equivalent:

Qualification: dimension

List of values: 1r5, editable, manual refresh, not exportable

Security access level: 0

Can be used: in result, in condition, in sort

Object status: show

Class:	Hourly 3PAR Disk Measures
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Description:	
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Object: Hourly Aggregate Measure

Type: Number

Description:

Select equivalent: case "3PAR_DISK_HISTORY_MEASURE".Measure
 when 'Maximum % Write I/Os' then SH_SE_3PAR_Disk_Stats.MAXPctWriteIOs
 when 'Minimum % Write I/Os' then SH_SE_3PAR_Disk_Stats.MINPctWriteIOs
 when 'Maximum % Read I/Os' then SH_SE_3PAR_Disk_Stats.MAXPctReadIOs
 when 'Minimum % Read I/Os' then SH_SE_3PAR_Disk_Stats.MINPctReadIOs
 when 'Maximum of Average I/O Response Time (ms)' then SH_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime
 when 'Minimum of Average I/O Response Time (ms)' then SH_SE_3PAR_Disk_Stats.MINAvgIOResponseTime
 when 'Average of Average

I/O Response Time (ms)' then SH_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime

when 'Maximum of Average Queue Depth' then SH_SE_3PAR_Disk_Stats.MAXAvgQueueDepth

when 'Minimum of Average Queue Depth' then SH_SE_3PAR_Disk_Stats.MINAvgQueueDepth

when 'Average of Average Queue Depth' then SH_SE_3PAR_Disk_Stats.AVGAvgQueueDepth

when 'Maximum of Average Read Size (Bytes)' then SH_SE_3PAR_Disk_Stats.MAXAvgReadSize

when 'Minimum of Average Read Size (Bytes)' then SH_SE_3PAR_Disk_Stats.MINAvgReadSize

when 'Average of Average Read Size (Bytes)' then SH_SE_3PAR_Disk_Stats.AVGAvgReadSize

when 'Maximum of Average Write Size (Bytes)' then SH_SE_3PAR_Disk_Stats.MAXAvgWriteSize

when 'Minimum of Average Write Size (Bytes)' then SH_SE_3PAR_Disk_Stats.MINAvgWriteSize

when 'Average of Average Write Size (Bytes)' then SH_SE_3PAR_Disk_Stats.AVGAvgWriteSize

when 'Maximum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Disk_Stats.MAXReadDataRate

when 'Minimum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Disk_Stats.MINReadDataRate

dDataRate
when 'Average Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_Disk_Stats.AVGReadDataRate
when 'Maximum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.AVGReadRate
when 'Maximum Total Data Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MAXTotalDataRate
when 'Minimum Total Data Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MINTotalDataRate
when 'Average Total Data Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.AVGTotalDataRate
when 'Maximum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MAXTotalIORate
when 'Minimum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.MINTotalIORate
when 'Average Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Disk_Stats.AVGTotalIORate
when 'Maximum Write Data Rate (Bytes/Sec)' then SH_SE_3PAR_Disk_Stats.MAXWriteDataRate
when 'Minimum Write Data

Rate (Bytes/Sec)' then SH
_SE_3PAR_Disk_Stats.MINW
riteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Disk_Stats.AVGW
riteDataRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.MAXWrite
Rate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.MINWrite
Rate
when 'Average Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.AVGWrite
Rate
when 'Maximum of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_Disk_
Stats.MAXAvgReadIORespTi
me
when 'Minimum of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_Disk_
Stats.MINAvgReadIORespTi
me
when 'Average of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_Disk_
Stats.AVGAvgReadIORespTi
me
when 'Maximum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_Disk
_Stats.MAXAvgWriteIORespT
ime
when 'Minimum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_Disk
_Stats.MINAvgWriteIORespT
ime
when 'Average of Average
Write I/O Response Time (

```

ms)' then SH_SE_3PAR_Disk
_Stats.AVGAvgWriteIORespT
ime
when 'Maximum of Average
% Busy' then SH_SE_3PAR_
Disk_Stats.MAXAvgPercentB
usy
when 'Minimum of Average
% Busy' then SH_SE_3PAR_
Disk_Stats.MINAvgPercentB
usy
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Hourly Measure
Type: Character
Description:

Select equivalent: "3PAR_DISK_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1r7, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Daily 3PAR Disk Measures
Description:	

Object: Daily Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_DISK_HISTORY_MEASURE".Measure
when 'Maximum % Write I/

Os' then SD_SE_3PAR_Disk_Stats.MAXPctWriteIOs
when 'Minimum % Write I/Os' then SD_SE_3PAR_Disk_Stats.MINPctWriteIOs
when 'Maximum % Read I/Os' then SD_SE_3PAR_Disk_Stats.MAXPctReadIOs
when 'Minimum % Read I/Os' then SD_SE_3PAR_Disk_Stats.MINPctReadIOs
when 'Maximum of Average I/O Response Time (ms)' then SD_SE_3PAR_Disk_Stats.MAXAvgIOResponseTime
when 'Minimum of Average I/O Response Time (ms)' then SD_SE_3PAR_Disk_Stats.MINAvgIOResponseTime
when 'Average of Average I/O Response Time (ms)' then SD_SE_3PAR_Disk_Stats.AVGAvgIOResponseTime
when 'Maximum of Average Queue Depth' then SD_SE_3PAR_Disk_Stats.MAXAvgQueueDepth
when 'Minimum of Average Queue Depth' then SD_SE_3PAR_Disk_Stats.MINAvgQueueDepth
when 'Average of Average Queue Depth' then SD_SE_3PAR_Disk_Stats.AVGAvgQueueDepth
when 'Maximum of Average Read Size (Bytes)' then SD_SE_3PAR_Disk_Stats.MAXAvgReadSize
when 'Minimum of Average Read Size (Bytes)' then SD_SE_3PAR_Disk_Stats.MINAvgReadSize
when 'Average of Average Read Size (Bytes)' then SD_SE_3PAR_Disk_Stats.AVGAvgReadSize

vgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Disk_Stats.MAX
AvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
D_SE_3PAR_Disk_Stats.MIN
AvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
D_SE_3PAR_Disk_Stats.AVG
AvgWriteSize
when 'Maximum Read Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Disk_Stats.MAXR
eadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Disk_Stats.MINRea
dDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Disk_Stats.AVGRe
adDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.MAXRead
Rate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Disk_Stats.MINReadR
ate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Disk_Stats.AVGReadR
ate
when 'Maximum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Disk_Stats.MAXTota
IDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Disk_Stats.MINTota
IDataRate
when 'Average Total Data

Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.AVGTotalsDataRate

when 'Maximum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.MAXTotalIORate

when 'Minimum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.MINTotalIORate

when 'Average Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.AVGTotalIORate

when 'Maximum Write Data Rate (Bytes/Sec)' then SD_SE_3PAR_Disk_Stats.MAXWriteDataRate

when 'Minimum Write Data Rate (Bytes/Sec)' then SD_SE_3PAR_Disk_Stats.MINWriteDataRate

when 'Average Write Data Rate (Bytes/Sec)' then SD_SE_3PAR_Disk_Stats.AVGWriteDataRate

when 'Maximum Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.MAXWriteRate

when 'Minimum Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.MINWriteRate

when 'Average Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Disk_Stats.AVGWriteRate

when 'Maximum of Average Read I/O Response Time (ms)' then SD_SE_3PAR_Disk_Stats.MAXAvgReadIOResponseTime

when 'Minimum of Average Read I/O Response Time (ms)

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s)' then SD_SE_3PAR_Disk_
Stats.MINAvgReadIORespTi
me
when 'Average of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Disk_
Stats.AVGAvgReadIORespTi
me
when 'Maximum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Disk
_Stats.MAXAvgWriteIORespT
ime
when 'Minimum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Disk
_Stats.MINAvgWriteIORespT
ime
when 'Average of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Disk
_Stats.AVGAvgWriteIORespT
ime
when 'Maximum of Average
% Busy' then SD_SE_3PAR_
Disk_Stats.MAXAvgPercentB
usy
when 'Minimum of Average
% Busy' then SD_SE_3PAR_
Disk_Stats.MINAvgPercentB
usy
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	Daily Measure
Type:	Character
Description:	

Select equivalent: "3PAR_DISK_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1r8, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP 3PAR Disk Measures
Description:	

Object: HourlyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_DISK_HISTORY_MEASURE".Measure
 when 'Maximum % Write I/
 Os' then MAX(SH_SE_3PAR_
 Disk_Stats.MAXPctWriteIOs
)
 when 'Minimum % Write I/O
 s' then MIN(SH_SE_3PAR_Di
 sk_Stats.MINPctWriteIOs)
 when 'Maximum % Read I/O
 s' then MAX(SH_SE_3PAR_Di
 sk_Stats.MAXPctReadIOs)
 when 'Minimum % Read I/O
 s' then MIN(SH_SE_3PAR_Di
 sk_Stats.MINPctReadIOs)
 when 'Maximum of Average
 I/O Response Time (ms)' t
 hen MAX(SH_SE_3PAR_Disk_
 Stats.MAXAvgIOResponseTi
 me)
 when 'Minimum of Average
 I/O Response Time (ms)' t
 hen MIN(SH_SE_3PAR_Disk_
 Stats.MINAvgIOResponseTim
 e)
 when 'Average of Average
 I/O Response Time (ms)' t
 hen AVG(SH_SE_3PAR_Disk_
 Stats.AVGAvgIOResponseTi

me)
when 'Maximum of Average Queue Depth' then MAX(SH_SE_3PAR_Disk_Stats.MAXAvgQueueDepth)
when 'Minimum of Average Queue Depth' then MIN(SH_SE_3PAR_Disk_Stats.MINAvgQueueDepth)
when 'Average of Average Queue Depth' then AVG(SH_SE_3PAR_Disk_Stats.AVGAvgQueueDepth)
when 'Maximum of Average Read Size (Bytes)' then MAX(SH_SE_3PAR_Disk_Stats.MAXAvgReadSize)
when 'Minimum of Average Read Size (Bytes)' then MIN(SH_SE_3PAR_Disk_Stats.MINAvgReadSize)
when 'Average of Average Read Size (Bytes)' then AVG(SH_SE_3PAR_Disk_Stats.AVGAvgReadSize)
when 'Maximum of Average Write Size (Bytes)' then MAX(SH_SE_3PAR_Disk_Stats.MAXAvgWriteSize)
when 'Minimum of Average Write Size (Bytes)' then MIN(SH_SE_3PAR_Disk_Stats.MINAvgWriteSize)
when 'Average of Average Write Size (Bytes)' then AVG(SH_SE_3PAR_Disk_Stats.AVGAvgWriteSize)
when 'Maximum Read Data Rate (Bytes/Sec)' then MAX(SH_SE_3PAR_Disk_Stats.MAXReadDataRate)
when 'Minimum Read Data Rate (Bytes/Sec)' then MIN(SH_SE_3PAR_Disk_Stats.MINReadDataRate)
when 'Average Read Data R

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ate (Bytes/Sec)' then AVG(
SH_SE_3PAR_Disk_Stats.AV
GReadDataRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Disk_Stats.MAX
ReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Disk_Stats.MINRe
adRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Disk_Stats.AVGR
eadRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SH_SE_3PAR_Disk_Stats.MA
XTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SH_SE_3PAR_Disk_Stats.MI
NTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SH_SE_3PAR_Disk_Stats.AV
GTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Disk_Stats.MAX
TotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Disk_Stats.MIN
TotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Disk_Stats.AVG
TotalIORate)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_Disk_Stats.
MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SH_SE_3PAR_Disk_Stats.
```

MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SH_SE_3PAR_Disk_Stats.A
VGWriteDataRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Disk_Stats.MAX
WriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Disk_Stats.MIN
WriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Disk_Stats.AVG
WriteRate)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SH_SE_3PAR_
Disk_Stats.MAXAvgReadIOR
espTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SH_SE_3PAR_D
isk_Stats.MINAvgReadIORes
pTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SH_SE_3PAR_D
isk_Stats.AVGAvgReadIORes
pTime)
when 'Maximum of Average
Write I/O Response Time (m
s)' then MAX(SH_SE_3PAR_
_Disk_Stats.MAXAvgWriteIO
RespTime)
when 'Minimum of Average
Write I/O Response Time (m
s)' then MIN(SH_SE_3PAR_
_Disk_Stats.MINAvgWriteIO
RespTime)
when 'Average of Average
Write I/O Response Time (m
s)' then AVG(SH_SE_3PAR_
_Disk_Stats.AVGAvgWriteIO

```

RespTime)
when 'Maximum of Average
% Busy' then MAX(SH_SE_3
PAR_Disk_Stats.MAXAvgPerc
entBusy)
when 'Minimum of Average
% Busy' then MIN(SH_SE_3P
AR_Disk_Stats.MINAvgPerce
ntBusy)
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: HourlyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_DISK_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1rb, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DailyOLAP 3PAR Disk Measures
Description:	

Object: DailyOLAP Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_DISK_HISTORY_MEASURE".Measure
when 'Maximum % Write I/
Os' then MAX(SD_SE_3PAR_
Disk_Stats.MAXPctWriteIOs

)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_Di
sk_Stats.MINPctWriteIOs)
when 'Maximum % Read I/O
s' then MAX(SD_SE_3PAR_Di
sk_Stats.MAXPctReadIOs)
when 'Minimum % Read I/O
s' then MIN(SD_SE_3PAR_Di
sk_Stats.MINPctReadIOs)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SD_SE_3PAR_Disk_
Stats.MAXAvgIOResponseTi
me)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SD_SE_3PAR_Disk_
Stats.MINAvgIOResponseTim
e)
when 'Average of Average
I/O Response Time (ms)' t
hen AVG(SD_SE_3PAR_Disk_
Stats.AVGAvgIOResponseTi
me)
when 'Maximum of Average
Queue Depth' then MAX(SD_
SE_3PAR_Disk_Stats.MAXAv
gQueueDepth)
when 'Minimum of Average
Queue Depth' then MIN(SD_
SE_3PAR_Disk_Stats.MINAvg
QueueDepth)
when 'Average of Average
Queue Depth' then AVG(SD_
SE_3PAR_Disk_Stats.AVGAv
gQueueDepth)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SD_SE_3PAR_Disk_Stats.
MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SD_SE_3PAR_Disk_Stats.
MINAvgReadSize)
when 'Average of Average

Read Size (Bytes)' then AV
G(SD_SE_3PAR_Disk_Stats.A
VGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SD_SE_3PAR_Disk_Stats.
MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SD_SE_3PAR_Disk_Stats.
MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_Disk_Stats.
AVGAvgWriteSize)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Disk_Stats.
MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_Disk_Stats.MI
NReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_Disk_Stats.AV
GReadDataRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Disk_Stats.MAX
ReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Disk_Stats.MINRe
adRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Disk_Stats.AVGR
eadRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SD_SE_3PAR_Disk_Stats.MA
XTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SD_SE_3PAR_Disk_Stats.MI

NTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SD_SE_3PAR_Disk_Stats.AV
GTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Disk_Stats.MAX
TotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Disk_Stats.MIN
TotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Disk_Stats.AVG
TotalIORate)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Disk_Stats.
MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SD_SE_3PAR_Disk_Stats.
MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_Disk_Stats.A
VGWriteDataRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Disk_Stats.MAX
WriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Disk_Stats.MIN
WriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Disk_Stats.AVG
WriteRate)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SD_SE_3PAR_
Disk_Stats.MAXAvgReadIOR
espTime)

```

when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SD_SE_3PAR_D
isk_Stats.MINAvgReadIORes
pTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SD_SE_3PAR_D
isk_Stats.AVGAvgReadIORes
pTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SD_SE_3PAR
_Disk_Stats.MAXAvgWriteIO
RespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SD_SE_3PAR
_Disk_Stats.MINAvgWriteIO
RespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SD_SE_3PAR
_Disk_Stats.AVGAvgWriteIO
RespTime)
when 'Maximum of Average
% Busy' then MAX(SD_SE_3
PAR_Disk_Stats.MAXAvgPerc
entBusy)
when 'Minimum of Average
% Busy' then MIN(SD_SE_3P
AR_Disk_Stats.MINAvgPerc
entBusy)
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object: DailyOLAP Measure

Type: Character
 Description:
 Select equivalent: "3PAR_DISK_HISTORY_MEASURE".Measure
 Where equivalent:
 Qualification: dimension
 List of values: 1rd, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class: 3PAR FC Port Measures
 Description:

No objects

Class: Raw 3PAR FC Port Measures
 Description:

Object: Raw Aggregate Measure
 Type: Number
 Description:
 Select equivalent: case "3PAR_PORT_RAW_MEASURE".Measure
 when '% Read I/Os' then SR_SE_3PAR_FCPort_Stats.PctReadIOs
 when '% Write I/Os' then SR_SE_3PAR_FCPort_Stats.PctWriteIOs
 when 'Average Read Size (Bytes)' then SR_SE_3PAR_FCPort_Stats.AvgReadSize
 when 'Average Write Size (Bytes)' then SR_SE_3PAR_FCPort_Stats.AvgWriteSize
 when 'Read Data Rate (Bytes/Sec)' then SR_SE_3PAR_FCPort_Stats.ReadDataRate
 when 'Read I/O Rate (Req/Sec)' then SR_SE_3PAR_FCPort_Stats.ReadRate
 when 'Total Data Rate (Bytes/Sec)' then SR_SE_3PAR_FCPort_Stats.TotalDataRate
 when 'Total I/O Rate (Req

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/Sec)' then SR_SE_3PAR_FC
Port_Stats.TotalIORate
when 'Write Data Rate (By
tes/Sec)' then SR_SE_3PAR
_FCPort_Stats.WriteDataRa
te
when 'Write I/O Rate (Req
/Sec)' then SR_SE_3PAR_FC
Port_Stats.WriteRate
when 'Delta Read I/Os (Re
q/Sec)' then SR_SE_3PAR_F
CPort_Stats.DeltaReadIOs
when 'Delta Write I/Os (R
eq/Sec)' then SR_SE_3PAR_
FCPort_Stats.DeltaWriteIO
s
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: **Raw Measure**
Type: Character
Description:

Select equivalent: "3PAR_PORT_RAW_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1rf, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Hourly 3PAR FC Port Measures
Description:	

Object: **Hourly Aggregate Measure**

Type:	Number
Description:	
Select equivalent:	<pre> case "3PAR_PORT_HISTORY_MEASURE".Measure when 'Maximum % Read I/O s' then SH_SE_3PAR_FCPort _Stats.MAXPctReadIOs when 'Minimum % Read I/O s' then SH_SE_3PAR_FCPort _Stats.MINPctReadIOs when 'Maximum % Write I/ Os' then SH_SE_3PAR_FCPort t_Stats.MAXPctWriteIOs when 'Minimum % Write I/O s' then SH_SE_3PAR_FCPort _Stats.MINPctWriteIOs when 'Maximum of Average Read Size (Bytes)' then SH _SE_3PAR_FCPort_Stats.MA XAvgReadSize when 'Minimum of Average Read Size (Bytes)' then SH _SE_3PAR_FCPort_Stats.MIN AvgReadSize when 'Average of Average Read Size (Bytes)' then SH _SE_3PAR_FCPort_Stats.AVG AvgReadSize when 'Maximum of Average Write Size (Bytes)' then S H_SE_3PAR_FCPort_Stats.M AXAvgWriteSize when 'Minimum of Average Write Size (Bytes)' then S H_SE_3PAR_FCPort_Stats.MI NAvgWriteSize when 'Average of Average Write Size (Bytes)' then S H_SE_3PAR_FCPort_Stats.AV GAvgWriteSize when 'Maximum Read Data Rate (Bytes/Sec)' then SH _SE_3PAR_FCPort_Stats.MA XReadDataRate when 'Minimum Read Data R ate (Bytes/Sec)' then SH_ </pre>

SE_3PAR_FCPort_Stats.MINReadDataRate
when 'Average Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_FCPort_Stats.AVGReadDataRate
when 'Maximum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.AVGReadRate
when 'Maximum Total Data Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MAXTotalDataRate
when 'Minimum Total Data Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MINTotalDataRate
when 'Average Total Data Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.AVGTotalDataRate
when 'Maximum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MAXTotalIORate
when 'Minimum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.MINTotalIORate
when 'Average Total I/O Rate (Req/Sec)' then SH_SE_3PAR_FCPort_Stats.AVGTotalIORate
when 'Maximum Write Data Rate (Bytes/Sec)' then SH_SE_3PAR_FCPort_Stats.MAXWriteDataRate

```
when 'Minimum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_FCPort_Stats.MIN
WriteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_FCPort_Stats.AVG
WriteDataRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.MAXWri
teRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.MINWri
teRate
when 'Average Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.AVGWri
teRate
when 'Maximum Delta Read
I/Os (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.MAXD
eltaReadIOs
when 'Minimum Delta Read
I/Os (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.MIND
eltaReadIOs
when 'Average Delta Read
I/Os (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.AVG
eltaReadIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_FCPort_Stats.MAX
DeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_FCPort_Stats.MIN
DeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_FCPort_Stats.AVG
DeltaWriteIOs
else 0
end
```

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Hourly Measure
 Type: Character
 Description:

Select equivalent: "3PAR_PORT_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1rh, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily 3PAR FC Port Measures
Description:	

Object: Daily Measure
 Type: Character
 Description:

Select equivalent: "3PAR_PORT_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1ri, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_PORT_HISTORY_MEASURE".Measure

when 'Maximum % Read I/Os' then SD_SE_3PAR_FCPort_Stats.MAXPctReadIOs
when 'Minimum % Read I/Os' then SD_SE_3PAR_FCPort_Stats.MINPctReadIOs
when 'Maximum % Write I/Os' then SD_SE_3PAR_FCPort_Stats.MAXPctWriteIOs
when 'Minimum % Write I/Os' then SD_SE_3PAR_FCPort_Stats.MINPctWriteIOs
when 'Maximum of Average Read Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.MAXAvgReadSize
when 'Minimum of Average Read Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.MINAvgReadSize
when 'Average of Average Read Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.AVGAvgReadSize
when 'Maximum of Average Write Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.MAXAvgWriteSize
when 'Minimum of Average Write Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.MINAvgWriteSize
when 'Average of Average Write Size (Bytes)' then SD_SE_3PAR_FCPort_Stats.AVGAvgWriteSize
when 'Maximum Read Data Rate (Bytes/Sec)' then SD_SE_3PAR_FCPort_Stats.MAXReadDataRate
when 'Minimum Read Data Rate (Bytes/Sec)' then SD_SE_3PAR_FCPort_Stats.MINReadDataRate
when 'Average Read Data Rate (Bytes/Sec)' then SD_

SE_3PAR_FCPort_Stats.AVG
ReadDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.MAXRe
adRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_FCPort_Stats.MINRead
Rate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_FCPort_Stats.AVGRead
Rate
when 'Maximum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.MAXT
otalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.MINTo
talDataRate
when 'Average Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.AVGTo
talDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.MAXTot
alIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.MINTot
alIORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.AVGTot
alIORate
when 'Maximum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_FCPort_Stats.MA
XWriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_FCPort_Stats.MIN
WriteDataRate

```

when 'Average Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_FCPort_Stats.AVG
WriteDataRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.MAXWri
teRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.MINWri
teRate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_FCPort_Stats.AVGWri
teRate
when 'Maximum Delta Read
I/Os (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.MAXD
eltaReadIOs
when 'Minimum Delta Read
I/Os (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.MIND
eltaReadIOs
when 'Average Delta Read
I/Os (Req/Sec)' then SD_S
E_3PAR_FCPort_Stats.AVGD
eltaReadIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_FCPort_Stats.MAX
DeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_FCPort_Stats.MIN
DeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_FCPort_Stats.AVG
DeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification: measure

Aggregate function: None

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP 3PAR FC Port Measures
Description:	

Object: HourlyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_PORT_HISTORY_MEASURE".Measure
 when 'Maximum % Read I/O
 s' then MAX(SH_SE_3PAR_FC
 CPort_Stats.MAXPctReadIOs
)
 when 'Minimum % Read I/O
 s' then MIN(SH_SE_3PAR_FC
 Port_Stats.MINPctReadIOs)
 when 'Maximum % Write I/
 Os' then MAX(SH_SE_3PAR_
 FCPort_Stats.MAXPctWriteI
 Os)
 when 'Minimum % Write I/O
 s' then MIN(SH_SE_3PAR_FC
 Port_Stats.MINPctWriteIOs
)
 when 'Maximum of Average
 Read Size (Bytes)' then M
 AX(SH_SE_3PAR_FCPort_Sta
 ts.MAXAvgReadSize)
 when 'Minimum of Average
 Read Size (Bytes)' then MI
 N(SH_SE_3PAR_FCPort_Stat
 s.MINAvgReadSize)
 when 'Average of Average
 Read Size (Bytes)' then AV
 G(SH_SE_3PAR_FCPort_Stat
 s.AVGAvgReadSize)
 when 'Maximum of Average
 Write Size (Bytes)' then M
 AX(SH_SE_3PAR_FCPort_Sta
 ts.MAXAvgWriteSize)
 when 'Minimum of Average

Write Size (Bytes)' then M
IN(SH_SE_3PAR_FCPort_Stats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_FCPort_Stats.AVGAvgWriteSize)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_FCPort_Stats
.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SH_SE_3PAR_FCPort_Stats.
MINReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SH_SE_3PAR_FCPort_Stats.A
VGReadDataRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_FCPort_Stats.M
AXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_FCPort_Stats.MIN
ReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_FCPort_Stats.AVG
ReadRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SH_SE_3PAR_FCPort_Stats.
MAXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SH_SE_3PAR_FCPort_Stats.
MINTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SH_SE_3PAR_FCPort_Stats.A
VGTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_FCPort_Stats.M

AXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_FCPort_Stats.MI
NTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_FCPort_Stats.AV
GTotalIORate)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_FCPort_Stats
.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SH_SE_3PAR_FCPort_Stat
s.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SH_SE_3PAR_FCPort_Stat
s.AVGWriteDataRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_FCPort_Stats.M
AXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_FCPort_Stats.MI
NWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_FCPort_Stats.AV
GWriteRate)
when 'Maximum Delta Read
I/Os (Req/Sec)' then MAX(
SH_SE_3PAR_FCPort_Stats.
MAXDeltaReadIOs)
when 'Minimum Delta Read
I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_FCPort_Stats.
MINDeltaReadIOs)
when 'Average Delta Read
I/Os (Req/Sec)' then AVG(
SH_SE_3PAR_FCPort_Stats.A
VGDeltaReadIOs)
when 'Maximum Delta Write

```

I/Os (Req/Sec)' then MAX
(SH_SE_3PAR_FCPort_Stats.
MAXDeltaWriteI/Os)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_FCPort_Stats.
MINDeltaWriteI/Os)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SH_SE_3PAR_FCPort_Stats.
AVGDeltaWriteI/Os)
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: HourlyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_PORT_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1rl, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DailyOLAP 3PAR FC Port Measures
Description:	

Object: DailyOLAP Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_PORT_HISTORY_MEASURE".Measure
when 'Maximum % Read I/O

```
s' then MAX(SD_SE_3PAR_FCPort_Stats.MAXPctReadIOs)
)
when 'Minimum % Read I/Os' then MIN(SD_SE_3PAR_FCPort_Stats.MINPctReadIOs)
when 'Maximum % Write I/Os' then MAX(SD_SE_3PAR_FCPort_Stats.MAXPctWriteIOs)
when 'Minimum % Write I/Os' then MIN(SD_SE_3PAR_FCPort_Stats.MINPctWriteIOs)
)
when 'Maximum of Average Read Size (Bytes)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXAvgReadSize)
when 'Minimum of Average Read Size (Bytes)' then MIN(SD_SE_3PAR_FCPort_Stats.MINAvgReadSize)
when 'Average of Average Read Size (Bytes)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGAvgReadSize)
when 'Maximum of Average Write Size (Bytes)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXAvgWriteSize)
when 'Minimum of Average Write Size (Bytes)' then MIN(SD_SE_3PAR_FCPort_Stats.MINAvgWriteSize)
when 'Average of Average Write Size (Bytes)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGAvgWriteSize)
when 'Maximum Read Data Rate (Bytes/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXReadDataRate)
when 'Minimum Read Data Rate (Bytes/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINReadDataRate)
```

when 'Average Read Data Rate (Bytes/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGReadDataRate)

when 'Maximum Read I/O Rate (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXReadRate)

when 'Minimum Read I/O Rate (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINReadRate)

when 'Average Read I/O Rate (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGReadRate)

when 'Maximum Total Data Rate (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXTotalDataRate)

when 'Minimum Total Data Rate (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINTotalDataRate)

when 'Average Total Data Rate (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGTotalDataRate)

when 'Maximum Total I/O Rate (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXTotalIORate)

when 'Minimum Total I/O Rate (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINTotalIORate)

when 'Average Total I/O Rate (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGTotalIORate)

when 'Maximum Write Data Rate (Bytes/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXWriteDataRate)

when 'Minimum Write Data Rate (Bytes/Sec)' then MI

```
N(SD_SE_3PAR_FCPort_Stats.MINWriteDataRate)
when 'Average Write Data Rate (Bytes/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGWriteDataRate)
when 'Maximum Write I/O Rate (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXWriteRate)
when 'Minimum Write I/O Rate (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINWriteRate)
when 'Average Write I/O Rate (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGWriteRate)
when 'Maximum Delta Read I/Os (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXDeltaReadIOs)
when 'Minimum Delta Read I/Os (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINDeltaReadIOs)
when 'Average Delta Read I/Os (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGDeltaReadIOs)
when 'Maximum Delta Write I/Os (Req/Sec)' then MAX(SD_SE_3PAR_FCPort_Stats.MAXDeltaWriteIOs)
when 'Minimum Delta Write I/Os (Req/Sec)' then MIN(SD_SE_3PAR_FCPort_Stats.MINDeltaWriteIOs)
when 'Average Delta Write I/Os (Req/Sec)' then AVG(SD_SE_3PAR_FCPort_Stats.AVGDeltaWriteIOs)
else 0
end
```

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: DailyOLAP Measure
 Type: Character
 Description:

Select equivalent: "3PAR_PORT_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1rn, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	3PAR AVG Storage System Volume Measures
Description:	

No objects

Class:	Raw 3PAR AVG Storage System Volume Measures
Description:	

Object: Raw Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_RAW_MEASURE".Measure
 when 'Write Data Rate (Bytes/Sec)' then SR_SE_3PAR_SSAGVol_Stats.WriteDataRate
 when 'Read Data Rate (Bytes/Sec)' then SR_SE_3PAR_SSAGVol_Stats.ReadDataRate
 when 'Total Data Rate (Req/Sec)' then SR_SE_3PAR_S

SAGVol_Stats.TotalDataRate
 when 'Read Hit Rate (Req/Sec)' then SR_SE_3PAR_SSA
 GVol_Stats.ReadHitRate
 when 'Average Read Size (Bytes)' then SR_SE_3PAR_S
 SAGVol_Stats.AvgReadSize
 when 'Average Write Size (Bytes)' then SR_SE_3PAR_
 SSAGVol_Stats.AvgWriteSize
 when '% Read I/Os' then SR_SE_3PAR_SSAGVol_Stats.PctReadI/Os
 when '% Write I/Os' then SR_SE_3PAR_SSAGVol_Stats.PctWriteI/Os
 when '% Hit Rate' then SR_SE_3PAR_SSAGVol_Stats.PctHitRate
 when 'Write I/O Rate (Req/Sec)' then SR_SE_3PAR_SS
 AGVol_Stats.WriteRate
 when 'Read I/O Rate (Req/Sec)' then SR_SE_3PAR_SSA
 GVol_Stats.ReadRate
 when 'Total I/O Rate (Req/Sec)' then SR_SE_3PAR_SS
 AGVol_Stats.TotalIORate
 when 'Average I/O Response Time (ms)' then SR_SE_
 3PAR_SSAGVol_Stats.AvgIOResponseTime
 when 'Average Read I/O Response Time (ms)' then S
 R_SE_3PAR_SSAGVol_Stats.AvgReadIOResponseTime
 when 'Average Write I/O Response Time (ms)' then S
 R_SE_3PAR_SSAGVol_Stats.AvgWriteIOResponseTime
 when 'Average % Busy' then SR_SE_3PAR_SSAGVol_Stats.AvgPercentBusy
 when 'Average Queue Depth' then SR_SE_3PAR_SSAGVol_Stats.AvgQueueDepth
 when 'Delta Read Hit I/Os (Req/Sec)' then SR_SE_3PAR_SSAGVol_Stats.DeltaReadHitI/Os

```

when 'Delta Write I/Os (R
eq/Sec)' then SR_SE_3PAR_
SSAGVol_Stats.DeltaWriteI
Os
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Measure
Type: Character
Description:

Select equivalent: "3PAR_VOLUME_RAW_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1qk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Hourly 3PAR AVG Storage System Volume Measures
Description:	

Object: Hourly Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
when 'Maximum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_SSAGVol_Stats.M
AXWriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_SSAGVol_Stats.M
INWriteDataRate

when 'Average Write Data Rate (Bytes/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGWriteDataRate

when 'Maximum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MAXReadDataRate

when 'Minimum Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MINReadDataRate

when 'Average Read Data Rate (Bytes/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGReadDataRate

when 'Maximum Total Data Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate

when 'Minimum Total Data Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MINTotalDataRate

when 'Average Total Data Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate

when 'Maximum Read Hit Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MAXReadHitRate

when 'Minimum Read Hit Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MINReadHitRate

when 'Average Read Hit Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGReadHitRate

when 'Maximum of Average Read Size (Bytes)' then SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize

when 'Minimum of Average Read Size (Bytes)' then SH

_SE_3PAR_SSAGVol_Stats.M
INAVgReadSize
when 'Average of Average
Read Size (Bytes)' then SH
_SE_3PAR_SSAGVol_Stats.A
VGAvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
H_SE_3PAR_SSAGVol_Stats.
MAXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
H_SE_3PAR_SSAGVol_Stats.
MINAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
H_SE_3PAR_SSAGVol_Stats.
AVGAvgWriteSize
when 'Maximum % Write I/
Os' then SH_SE_3PAR_SSAG
Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SH_SE_3PAR_SSAGV
ol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SH_SE_3PAR_SSAGV
ol_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SH_SE_3PAR_SSAGV
ol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate'
then SH_SE_3PAR_SSAGVol
_Stats.MAXPctHitRate
when 'Minimum % Hit Rate'
then SH_SE_3PAR_SSAGVol
_Stats.MINPctHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.MAXW
riteRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.MINW
riteRate
when 'Average Write I/O R
ate (Req/Sec)' then SH_SE

_3PAR_SSAGVol_Stats.AVGWriteRate
when 'Maximum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGReadRate
when 'Maximum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MAXTotalIORate
when 'Minimum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.MINTotalIORate
when 'Average Total I/O Rate (Req/Sec)' then SH_SE_3PAR_SSAGVol_Stats.AVGTotalIORate
when 'Maximum of Average I/O Response Time (ms)' then SH_SE_3PAR_SSAGVol_Stats.MAXAvgIOResponseTime
when 'Minimum of Average I/O Response Time (ms)' then SH_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime
when 'Average of Average I/O Response Time (ms)' then SH_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime
when 'Maximum of Average Read I/O Response Time (ms)' then SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadIOResponseTime
when 'Minimum of Average

Read I/O Response Time (m
s)' then SH_SE_3PAR_SSAGV
ol_Stats.MINAvgReadIOResp
Time
when 'Average of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_SSAGV
ol_Stats.AVGAvgReadIOResp
Time
when 'Maximum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_SSA
GVol_Stats.MAXAvgWriteIOR
espTime
when 'Minimum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_SSA
GVol_Stats.MINAvgWriteIOR
espTime
when 'Average of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_SSA
GVol_Stats.AVGAvgWriteIOR
espTime
when 'Maximum of Average
% Busy' then SH_SE_3PAR_
SSAGVol_Stats.MAXAvgPerce
ntBusy
when 'Minimum of Average
% Busy' then SH_SE_3PAR_
SSAGVol_Stats.MINAvgPerce
ntBusy
when 'Maximum of Average
Queue Depth' then SH_SE_3
PAR_SSAGVol_Stats.MAXAvg
QueueDepth
when 'Minimum of Average
Queue Depth' then SH_SE_3
PAR_SSAGVol_Stats.MINAvg
QueueDepth
when 'Average of Average
Queue Depth' then SH_SE_3
PAR_SSAGVol_Stats.AVGAvg
QueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S

```

H_SE_3PAR_SSAGVol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_SSAGVol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_SSAGVol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_SSAGVol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_SSAGVol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_SSAGVol_Stats.AV
GDeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	Hourly Measure
Type:	Character
Description:	

Select equivalent:	"3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:	

Qualification:	dimension
List of values:	1qm, editable, manual refresh, not exportable
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Class:	Daily 3PAR AVG Storage System Volume Measures
Description:	

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_SSAGVol_Stats.M
 AXWriteDataRate
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_SSAGVol_Stats.M
 INWriteDataRate
 when 'Average Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_SSAGVol_Stats.A
 VGWriteDataRate
 when 'Maximum Read Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_SSAGVol_Stats.M
 AXReadDataRate
 when 'Minimum Read Data R
 ate (Bytes/Sec)' then SD_
 SE_3PAR_SSAGVol_Stats.MI
 NReadDataRate
 when 'Average Read Data R
 ate (Bytes/Sec)' then SD_
 SE_3PAR_SSAGVol_Stats.AV
 GReadDataRate
 when 'Maximum Total Data
 Rate (Req/Sec)' then SD_S
 E_3PAR_SSAGVol_Stats.MAX
 TotalDataRate
 when 'Minimum Total Data
 Rate (Req/Sec)' then SD_S
 E_3PAR_SSAGVol_Stats.MIN
 TotalDataRate
 when 'Average Total Data
 Rate (Req/Sec)' then SD_S
 E_3PAR_SSAGVol_Stats.AVG
 TotalDataRate

when 'Maximum Read Hit Rate (Req/Sec)' then SD_SE_3PAR_SSAGVol_Stats.MAXReadHitRate

when 'Minimum Read Hit Rate (Req/Sec)' then SD_SE_3PAR_SSAGVol_Stats.MINReadHitRate

when 'Average Read Hit Rate (Req/Sec)' then SD_SE_3PAR_SSAGVol_Stats.AVGReadHitRate

when 'Maximum of Average Read Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize

when 'Minimum of Average Read Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.MINAvgReadSize

when 'Average of Average Read Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize

when 'Maximum of Average Write Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteSize

when 'Minimum of Average Write Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteSize

when 'Average of Average Write Size (Bytes)' then SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteSize

when 'Maximum % Write I/Os' then SD_SE_3PAR_SSAGVol_Stats.MAXPctWriteIOs

when 'Minimum % Write I/Os' then SD_SE_3PAR_SSAGVol_Stats.MINPctWriteIOs

when 'Maximum % Read I/Os' then SD_SE_3PAR_SSAGVol_Stats.MAXPctReadIOs

when 'Minimum % Read I/O

s' then SD_SE_3PAR_SSAGV
ol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate'
then SD_SE_3PAR_SSAGVol
_Stats.MAXPctHitRate
when 'Minimum % Hit Rate'
then SD_SE_3PAR_SSAGVol
_Stats.MINPctHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MAXW
riteRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MINW
riteRate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.AVGW
riteRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MAXR
eadRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_SSAGVol_Stats.MINRe
adRate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_SSAGVol_Stats.AVGRe
adRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MAXT
otallORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MINT
otallORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.AVGT
otallORate
when 'Maximum of Average
I/O Response Time (ms)' t

then SD_SE_3PAR_SSAGVol_Stats.MAXAvgIOResponseTime

when 'Minimum of Average I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.MINAvgIOResponseTime

when 'Average of Average I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.AVGAvgIOResponseTime

when 'Maximum of Average Read I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.MAXAvgReadIOResponseTime

when 'Minimum of Average Read I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.MINAvgReadIOResponseTime

when 'Average of Average Read I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.AVGAvgReadIOResponseTime

when 'Maximum of Average Write I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.MAXAvgWriteIOResponseTime

when 'Minimum of Average Write I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.MINAvgWriteIOResponseTime

when 'Average of Average Write I/O Response Time (ms)' then SD_SE_3PAR_SSAGVol_Stats.AVGAvgWriteIOResponseTime

when 'Maximum of Average % Busy' then SD_SE_3PAR_SSAGVol_Stats.MAXAvgPercentBusy

```

when 'Minimum of Average
% Busy' then SD_SE_3PAR_
SSAGVol_Stats.MINAvgPerce
ntBusy
when 'Maximum of Average
Queue Depth' then SD_SE_3
PAR_SSAGVol_Stats.MAXAvg
QueueDepth
when 'Minimum of Average
Queue Depth' then SD_SE_3
PAR_SSAGVol_Stats.MINAvg
QueueDepth
when 'Average of Average
Queue Depth' then SD_SE_3
PAR_SSAGVol_Stats.AVGAv
gQueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_SSAGVol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_SSAGVol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_SSAGVol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_SSAGVol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_SSAGVol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_SSAGVol_Stats.AV
GDeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification: measure

Aggregate function: None

List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Daily Measure
 Type: Character
 Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1qn, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP 3PAR AVG Storage System Volume Measures
Description:	

Object: HourlyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then MA
 X(SH_SE_3PAR_SSAGVol_Stat
 s.MAXWriteDataRate)
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then MI
 N(SH_SE_3PAR_SSAGVol_Stat
 s.MINWriteDataRate)
 when 'Average Write Data
 Rate (Bytes/Sec)' then AV
 G(SH_SE_3PAR_SSAGVol_Stat
 s.AVGWriteDataRate)
 when 'Maximum Read Data
 Rate (Bytes/Sec)' then MA
 X(SH_SE_3PAR_SSAGVol_Stat
 s.MAXReadDataRate)

when 'Minimum Read Data Rate (Bytes/Sec)' then MIN(SH_SE_3PAR_SSAGVol_Stats.MINReadDataRate)

when 'Average Read Data Rate (Bytes/Sec)' then AVG(SH_SE_3PAR_SSAGVol_Stats.AVGReadDataRate)

when 'Maximum Total Data Rate (Req/Sec)' then MAX(SH_SE_3PAR_SSAGVol_Stats.MAXTotalDataRate)

when 'Minimum Total Data Rate (Req/Sec)' then MIN(SH_SE_3PAR_SSAGVol_Stats.MINTotalDataRate)

when 'Average Total Data Rate (Req/Sec)' then AVG(SH_SE_3PAR_SSAGVol_Stats.AVGTotalDataRate)

when 'Maximum Read Hit Rate (Req/Sec)' then MAX(SH_SE_3PAR_SSAGVol_Stats.MAXReadHitRate)

when 'Minimum Read Hit Rate (Req/Sec)' then MIN(SH_SE_3PAR_SSAGVol_Stats.MINReadHitRate)

when 'Average Read Hit Rate (Req/Sec)' then AVG(SH_SE_3PAR_SSAGVol_Stats.AVGReadHitRate)

when 'Maximum of Average Read Size (Bytes)' then MAX(SH_SE_3PAR_SSAGVol_Stats.MAXAvgReadSize)

when 'Minimum of Average Read Size (Bytes)' then MIN(SH_SE_3PAR_SSAGVol_Stats.MINAvgReadSize)

when 'Average of Average Read Size (Bytes)' then AVG(SH_SE_3PAR_SSAGVol_Stats.AVGAvgReadSize)

when 'Maximum of Average Write Size (Bytes)' then M

```

AX(SH_SE_3PAR_SSAGVol_Stat
ats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SH_SE_3PAR_SSAGVol_Stat
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_SSAGVol_Stat
ats.AVGAvgWriteSize)
when 'Maximum % Write I/
Os' then MAX(SH_SE_3PAR_
SSAGVol_Stats.MAXPctWrite
IOs)
when 'Minimum % Write I/O
s' then MIN(SH_SE_3PAR_SS
AGVol_Stats.MINPctWriteIO
s)
when 'Maximum % Read I/O
s' then MAX(SH_SE_3PAR_S
SAGVol_Stats.MAXPctReadIO
s)
when 'Minimum % Read I/O
s' then MIN(SH_SE_3PAR_SS
AGVol_Stats.MINPctReadIOs
)
when 'Maximum % Hit Rate'
then MAX(SH_SE_3PAR_SSA
GVol_Stats.MAXPctHitRate)
when 'Minimum % Hit Rate'
then MIN(SH_SE_3PAR_SSA
GVol_Stats.MINPctHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_SSAGVol_Stats.
MAXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_SSAGVol_Stats.
MINWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_SSAGVol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S

```

H_SE_3PAR_SSAGVol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_SSAGVol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_SSAGVol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_SSAGVol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_SSAGVol_Stats.
MINTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_SSAGVol_Stats.
AVGTotalIORate)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SH_SE_3PAR_SSAGV
ol_Stats.MAXAvgIOResponse
Time)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SH_SE_3PAR_SSAGV
ol_Stats.MINAvgIOResponse
Time)
when 'Average of Average
I/O Response Time (ms)' t
hen AVG(SH_SE_3PAR_SSAGV
ol_Stats.AVGAvgIOResponse
Time)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SH_SE_3PAR_S
SAGVol_Stats.MAXAvgReadI
ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SH_SE_3PAR_S
SAGVol_Stats.MINAvgReadI

ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SH_SE_3PAR_S
SAGVol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SH_SE_3PAR
_SSAGVol_Stats.MAXAvgWrit
eIORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SH_SE_3PAR
_SSAGVol_Stats.MINAvgWrit
eIORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SH_SE_3PAR
_SSAGVol_Stats.AVGAvgWrit
eIORespTime)
when 'Maximum of Average
% Busy' then MAX(SH_SE_3
PAR_SSAGVol_Stats.MAXAvg
PercentBusy)
when 'Minimum of Average
% Busy' then MIN(SH_SE_3P
AR_SSAGVol_Stats.MINAvgP
ercentBusy)
when 'Maximum of Average
Queue Depth' then MAX(SH_
SE_3PAR_SSAGVol_Stats.MA
XAvgQueueDepth)
when 'Minimum of Average
Queue Depth' then MIN(SH_
SE_3PAR_SSAGVol_Stats.MI
NAvgQueueDepth)
when 'Average of Average
Queue Depth' then AVG(SH_
SE_3PAR_SSAGVol_Stats.AV
GAvgQueueDepth)
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then M
AX(SH_SE_3PAR_SSAGVol_St
ats.MAXDeltaReadHitIOs)
when 'Minimum Delta Read

```

Hit I/Os (Req/Sec)' then M
IN(SH_SE_3PAR_SSAGVol_Stat
s.MINDeltaReadHitIOs)
when 'Average Delta Read
Hit I/Os (Req/Sec)' then A
VG(SH_SE_3PAR_SSAGVol_Stat
s.AVGDeltaReadHitIOs)
when 'Maximum Delta Write
I/Os (Req/Sec)' then MAX
(SH_SE_3PAR_SSAGVol_Stat
s.MAXDeltaWriteIOs)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_SSAGVol_Stat
s.MINDeltaWriteIOs)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SH_SE_3PAR_SSAGVol_Stat
s.AVGDeltaWriteIOs)
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: HourlyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1qq, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	DailyOLAP 3PAR AVG Storage System Volume
--------	--

Measures

Description:

Object: DailyOLAP Aggregate Measure
Type: Number
Description:

Select equivalent: `case "3PAR_VOLUME_HISTORY_MEASURE".Measure
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_SSAGVol_Stat
s.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SD_SE_3PAR_SSAGVol_Stat
s.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_SSAGVol_Stat
s.AVGWriteDataRate)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_SSAGVol_Stat
s.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_SSAGVol_Stat
s.MINReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_SSAGVol_Stat
s.AVGReadDataRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SD_SE_3PAR_SSAGVol_Stat
s.MAXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SD_SE_3PAR_SSAGVol_Stat
s.MINTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SD_SE_3PAR_SSAGVol_Stat
s.AVGTotDataRate)
when 'Maximum Read Hit Ra`

```
te (Req/Sec)' then MAX(SD
_SE_3PAR_SSAGVol_Stats.M
AXReadHitRate)
when 'Minimum Read Hit Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_SSAGVol_Stats.M
INReadHitRate)
when 'Average Read Hit Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_SSAGVol_Stats.A
VGReadHitRate)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SD_SE_3PAR_SSAGVol_St
ats.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SD_SE_3PAR_SSAGVol_Sta
ts.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SD_SE_3PAR_SSAGVol_Sta
ts.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SD_SE_3PAR_SSAGVol_St
ats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SD_SE_3PAR_SSAGVol_St
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_SSAGVol_St
ats.AVGAvgWriteSize)
when 'Maximum % Write I/
Os' then MAX(SD_SE_3PAR_
SSAGVol_Stats.MAXPctWrite
IOs)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_SS
AGVol_Stats.MINPctWriteIO
s)
when 'Maximum % Read I/O
s' then MAX(SD_SE_3PAR_S
SAGVol_Stats.MAXPctReadIO
```

s)
when 'Minimum % Read I/O
s' then MIN(SD_SE_3PAR_SS
AGVol_Stats.MINPctReadIOs
)
when 'Maximum % Hit Rate'
then MAX(SD_SE_3PAR_SSA
GVol_Stats.MAXPctHitRate)
when 'Minimum % Hit Rate'
then MIN(SD_SE_3PAR_SSA
GVol_Stats.MINPctHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_SSAGVol_Stats.
MAXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_SSAGVol_Stats.
MINWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_SSAGVol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_SSAGVol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_SSAGVol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_SSAGVol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_SSAGVol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_SSAGVol_Stats.
MINTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_SSAGVol_Stats.

AVGTotalIORate)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SD_SE_3PAR_SSAGV
ol_Stats.MAXAvgIOResponse
Time)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SD_SE_3PAR_SSAGV
ol_Stats.MINAvgIOResponse
Time)
when 'Average of Average
I/O Response Time (ms)' t
hen AVG(SD_SE_3PAR_SSAGV
ol_Stats.AVGAvgIOResponse
Time)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SD_SE_3PAR_S
SAGVol_Stats.MAXAvgReadI
ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SD_SE_3PAR_S
SAGVol_Stats.MINAvgReadI
ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SD_SE_3PAR_S
SAGVol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SD_SE_3PAR
_SSAGVol_Stats.MAXAvgWrit
eIORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SD_SE_3PAR
_SSAGVol_Stats.MINAvgWrit
eIORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SD_SE_3PAR
_SSAGVol_Stats.AVGAvgWrit
eIORespTime)

```
when 'Maximum of Average
% Busy' then MAX(SD_SE_3
PAR_SSAGVol_Stats.MAXAvg
PercentBusy)
when 'Minimum of Average
% Busy' then MIN(SD_SE_3P
AR_SSAGVol_Stats.MINAvgP
ercentBusy)
when 'Maximum of Average
Queue Depth' then MAX(SD_
SE_3PAR_SSAGVol_Stats.MA
XAvgQueueDepth)
when 'Minimum of Average
Queue Depth' then MIN(SD_
SE_3PAR_SSAGVol_Stats.MI
NAvgQueueDepth)
when 'Average of Average
Queue Depth' then AVG(SD_
SE_3PAR_SSAGVol_Stats.AV
GAvgQueueDepth)
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then M
AX(SD_SE_3PAR_SSAGVol_St
ats.MAXDeltaReadHitIOs)
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then M
IN(SD_SE_3PAR_SSAGVol_St
ats.MINDeltaReadHitIOs)
when 'Average Delta Read
Hit I/Os (Req/Sec)' then A
VG(SD_SE_3PAR_SSAGVol_St
ats.AVGDeltaReadHitIOs)
when 'Maximum Delta Write
I/Os (Req/Sec)' then MAX
(SD_SE_3PAR_SSAGVol_Stat
s.MAXDeltaWriteIOs)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SD_SE_3PAR_SSAGVol_Stats
.MINDeltaWriteIOs)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SD_SE_3PAR_SSAGVol_Stat
s.AVGDeltaWriteIOs)
else 0
end
```

Where equivalent:

Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: DailyOLAP Measure
 Type: Character
 Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1qs, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	3PAR AVG Storage Pool Volume Measures
Description:	

No objects

Class:	Raw 3PAR AVG Storage Pool Volume Measures
Description:	

Object: Raw Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_RAW_MEASURE".Measure
 when 'Write Data Rate (Bytes/Sec)' then SR_SE_3PAR_SPAGVol_Stats.WriteDataRate
 when 'Read Data Rate (Bytes/Sec)' then SR_SE_3PAR_SPAGVol_Stats.ReadDataRate

when 'Total Data Rate (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.TotalDataRate

when 'Read Hit Rate (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.ReadHitRate

when 'Average Read Size (Bytes)' then SR_SE_3PAR_SPAGVol_Stats.AvgReadSize

when 'Average Write Size (Bytes)' then SR_SE_3PAR_SPAGVol_Stats.AvgWriteSize

when '% Read I/Os' then SR_SE_3PAR_SPAGVol_Stats.PctReadI/Os

when '% Write I/Os' then SR_SE_3PAR_SPAGVol_Stats.PctWriteI/Os

when '% Hit Rate' then SR_SE_3PAR_SPAGVol_Stats.PctHitRate

when 'Write I/O Rate (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.WriteRate

when 'Read I/O Rate (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.ReadRate

when 'Total I/O Rate (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.TotalI/ORate

when 'Average I/O Response Time (ms)' then SR_SE_3PAR_SPAGVol_Stats.AvgI/OResponseTime

when 'Average Read I/O Response Time (ms)' then SR_SE_3PAR_SPAGVol_Stats.AvgReadI/ORespTime

when 'Average Write I/O Response Time (ms)' then SR_SE_3PAR_SPAGVol_Stats.AvgWriteI/ORespTime

when 'Average % Busy' then SR_SE_3PAR_SPAGVol_Stats.AvgPercentBusy

when 'Average Queue Depth' then SR_SE_3PAR_SPAGVol_Stats.AvgQueueDepth

when 'Delta Read Hit I/Os (Req/Sec)' then SR_SE_3PAR_SPAGVol_Stats.DeltaReadHitRate

```

R_SPAGVol_Stats.DeltaRead
HitIOs
when 'Delta Write I/Os (R
eq/Sec)' then SR_SE_3PAR_
SPAGVol_Stats.DeltaWritel
Os
else 0
end

```

Where equivalent:

Qualification: measure
Aggregate function: None
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Raw Measure
Type: Character
Description:

Select equivalent: "3PAR_VOLUME_RAW_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1qu, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Hourly 3PAR AVG Storage Pool Volume Measures
Description:	

Object: Hourly Aggregate Measure
Type: Number
Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
when 'Maximum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Stor_Vol_Stats.M
AXWriteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SH

_SE_3PAR_Stor_Vol_Stats.M
INWriteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Stor_Vol_Stats.A
VGWriteDataRate
when 'Maximum Read Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Stor_Vol_Stats.M
AXReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.MI
NReadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.AV
GReadDataRate
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.MAX
TotalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.MIN
TotalDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Stor_Vol_Stats.AVG
TotalDataRate
when 'Maximum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.MAXRe
adHitRate
when 'Minimum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.MINRe
adHitRate
when 'Average Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_Stor_Vol_Stats.AVGRe
adHitRate
when 'Maximum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.M
AXAvgReadSize

when 'Minimum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.M
INAvgReadSize
when 'Average of Average
Read Size (Bytes)' then SH
_SE_3PAR_Stor_Vol_Stats.A
VGAvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.
MAXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.
MINAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
H_SE_3PAR_Stor_Vol_Stats.
AVGAvgWriteSize
when 'Maximum % Write I/
Os' then SH_SE_3PAR_Stor_
Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SH_SE_3PAR_Stor_V
ol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate'
then SH_SE_3PAR_Stor_Vol
_Stats.MAXPctHitRate
when 'Minimum % Hit Rate'
then SH_SE_3PAR_Stor_Vol
_Stats.MINPctHitRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MAX
WriteRate
when 'Minimum Write I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MINW
riteRate

when 'Average Write I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.AVGWriteRate

when 'Maximum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MAXReadRate

when 'Minimum Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MINReadRate

when 'Average Read I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.AVGReadRate

when 'Maximum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate

when 'Minimum Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.MINTotalIORate

when 'Average Total I/O Rate (Req/Sec)' then SH_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate

when 'Maximum of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime

when 'Minimum of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime

when 'Average of Average I/O Response Time (ms)' then SH_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime

when 'Maximum of Average Read I/O Response Time (ms)' then SH_SE_3PAR_Stor_

Vol_Stats.MAXAvgReadIORes
pTime
when 'Minimum of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_Stor_
Vol_Stats.MINAvgReadIORes
pTime
when 'Average of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_Stor_
Vol_Stats.AVGAvgReadIORes
pTime
when 'Maximum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_Stor_
_Vol_Stats.MAXAvgWritelOR
espTime
when 'Minimum of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_Stor_
_Vol_Stats.MINAvgWritelOR
espTime
when 'Average of Average
Write I/O Response Time (m
s)' then SH_SE_3PAR_Stor_
_Vol_Stats.AVGAvgWritelOR
espTime
when 'Maximum of Average
% Busy' then SH_SE_3PAR_
Stor_Vol_Stats.MAXAvgPerc
entBusy
when 'Minimum of Average
% Busy' then SH_SE_3PAR_
Stor_Vol_Stats.MINAvgPerc
entBusy
when 'Maximum of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.MAXAvg
QueueDepth
when 'Minimum of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.MINAvg
QueueDepth
when 'Average of Average
Queue Depth' then SH_SE_3
PAR_Stor_Vol_Stats.AVGAvg

```

QueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
H_SE_3PAR_Stor_Vol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SH_
SE_3PAR_Stor_Vol_Stats.AV
GDeltaWriteIOs
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	None
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	Hourly Measure
Type:	Character
Description:	

Select equivalent:	"3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:	

Qualification:	dimension
List of values:	1qw, editable, manual refresh, not exportable

Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	Daily 3PAR AVG Storage Pool Volume Measures
Description:	

Object: Daily Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_Stor_Vol_Stats.M
 AXWriteDataRate
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_Stor_Vol_Stats.M
 INWriteDataRate
 when 'Average Write Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_Stor_Vol_Stats.A
 VGWriteDataRate
 when 'Maximum Read Data
 Rate (Bytes/Sec)' then SD
 _SE_3PAR_Stor_Vol_Stats.M
 AXReadDataRate
 when 'Minimum Read Data R
 ate (Bytes/Sec)' then SD_
 SE_3PAR_Stor_Vol_Stats.MI
 NReadDataRate
 when 'Average Read Data R
 ate (Bytes/Sec)' then SD_
 SE_3PAR_Stor_Vol_Stats.AV
 GReadDataRate
 when 'Maximum Total Data
 Rate (Req/Sec)' then SD_S
 E_3PAR_Stor_Vol_Stats.MAX
 TotalDataRate
 when 'Minimum Total Data
 Rate (Req/Sec)' then SD_S
 E_3PAR_Stor_Vol_Stats.MIN
 TotalDataRate
 when 'Average Total Data

Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVG
TotalDataRate
when 'Maximum Read Hit Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate
when 'Minimum Read Hit Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINReadHitRate
when 'Average Read Hit Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate
when 'Maximum of Average Read Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize
when 'Minimum of Average Read Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize
when 'Average of Average Read Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize
when 'Maximum of Average Write Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize
when 'Minimum of Average Write Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize
when 'Average of Average Write Size (Bytes)' then SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize
when 'Maximum % Write I/Os' then SD_SE_3PAR_Stor_Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/Os' then SD_SE_3PAR_Stor_Vol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O

s' then SD_SE_3PAR_Stor_Vol_Stats.MAXPctReadIOs
when 'Minimum % Read I/O s' then SD_SE_3PAR_Stor_Vol_Stats.MINPctReadIOs
when 'Maximum % Hit Rate' then SD_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate
when 'Minimum % Hit Rate' then SD_SE_3PAR_Stor_Vol_Stats.MINPctHitRate
when 'Maximum Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXWriteRate
when 'Minimum Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINWriteRate
when 'Average Write I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGWriteRate
when 'Maximum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXReadRate
when 'Minimum Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINReadRate
when 'Average Read I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGReadRate
when 'Maximum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MAXTotalIORate
when 'Minimum Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.MINTotalIORate
when 'Average Total I/O Rate (Req/Sec)' then SD_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate

otallORate
when 'Maximum of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Stor_Vol_
Stats.MAXAvgIOResponseTi
me
when 'Minimum of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Stor_Vol_
Stats.MINAvgIOResponseTim
e
when 'Average of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Stor_Vol_
Stats.AVGAvgIOResponseTi
me
when 'Maximum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.MAXAvgReadIORes
pTime
when 'Minimum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.MINAvgReadIORes
pTime
when 'Average of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Stor_
Vol_Stats.AVGAvgReadIORes
pTime
when 'Maximum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor
_Vol_Stats.MAXAvgWritelOR
espTime
when 'Minimum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor
_Vol_Stats.MINAvgWritelOR
espTime
when 'Average of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_Stor
_Vol_Stats.AVGAvgWritelOR
espTime

```
when 'Maximum of Average
% Busy' then SD_SE_3PAR_
Stor_Vol_Stats.MAXAvgPerc
entBusy
when 'Minimum of Average
% Busy' then SD_SE_3PAR_
Stor_Vol_Stats.MINAvgPerc
entBusy
when 'Maximum of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.MAXAvg
QueueDepth
when 'Minimum of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.MINAvg
QueueDepth
when 'Average of Average
Queue Depth' then SD_SE_3
PAR_Stor_Vol_Stats.AVGAvg
QueueDepth
when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
MAXDeltaReadHitIOs
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
MINDeltaReadHitIOs
when 'Average Delta Read
Hit I/Os (Req/Sec)' then S
D_SE_3PAR_Stor_Vol_Stats.
AVGDeltaReadHitIOs
when 'Maximum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.MA
XDeltaWriteIOs
when 'Minimum Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.MI
NDeltaWriteIOs
when 'Average Delta Write
I/Os (Req/Sec)' then SD_
SE_3PAR_Stor_Vol_Stats.AV
GDeltaWriteIOs
else 0
end
```

Where equivalent:

Qualification: measure
 Aggregate function: None
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Daily Measure
 Type: Character
 Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
 Where equivalent:

Qualification: dimension
 List of values: 1qx, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Class:	HourlyOLAP 3PAR AVG Storage Pool Volume M easures
Description:	

Object: HourlyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then MA
 X(SH_SE_3PAR_Stor_Vol_St
 ats.MAXWriteDataRate)
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then MI
 N(SH_SE_3PAR_Stor_Vol_St
 ats.MINWriteDataRate)
 when 'Average Write Data
 Rate (Bytes/Sec)' then AV
 G(SH_SE_3PAR_Stor_Vol_St
 ats.AVGWriteDataRate)

when 'Maximum Read Data Rate (Bytes/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXReadDataRate)

when 'Minimum Read Data Rate (Bytes/Sec)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINReadDataRate)

when 'Average Read Data Rate (Bytes/Sec)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGReadDataRate)

when 'Maximum Total Data Rate (Req/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXTotalDataRate)

when 'Minimum Total Data Rate (Req/Sec)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINTotalDataRate)

when 'Average Total Data Rate (Req/Sec)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGTotalDataRate)

when 'Maximum Read Hit Rate (Req/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXReadHitRate)

when 'Minimum Read Hit Rate (Req/Sec)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINReadHitRate)

when 'Average Read Hit Rate (Req/Sec)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGReadHitRate)

when 'Maximum of Average Read Size (Bytes)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgReadSize)

when 'Minimum of Average Read Size (Bytes)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINAvgReadSize)

when 'Average of Average Read Size (Bytes)' then AV

G(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgReadSize)
when 'Maximum of Average Write Size (Bytes)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteSize)
when 'Minimum of Average Write Size (Bytes)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINAvgWriteSize)
when 'Average of Average Write Size (Bytes)' then AVG(SH_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteSize)
when 'Maximum % Write I/Os' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXPctWriteI/Os)
when 'Minimum % Write I/Os' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINPctWriteI/Os)
when 'Maximum % Read I/Os' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXPctReadI/Os)
when 'Minimum % Read I/Os' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINPctReadI/Os)
when 'Maximum % Hit Rate' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXPctHitRate)
when 'Minimum % Hit Rate' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINPctHitRate)
when 'Maximum Write I/O Rate (Req/Sec)' then MAX(SH_SE_3PAR_Stor_Vol_Stats.MAXWriteRate)
when 'Minimum Write I/O Rate (Req/Sec)' then MIN(SH_SE_3PAR_Stor_Vol_Stats.MINWriteRate)
when 'Average Write I/O R

ate (Req/Sec)' then AVG(S
H_SE_3PAR_Stor_Vol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Stor_Vol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_Stor_Vol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Stor_Vol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Stor_Vol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Stor_Vol_Stats.
MINTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Stor_Vol_Stats.
AVGTotalIORate)
when 'Maximum of Average
I/O Response Time (ms)' t
hen MAX(SH_SE_3PAR_Stor_
Vol_Stats.MAXAvgIORespons
eTime)
when 'Minimum of Average
I/O Response Time (ms)' t
hen MIN(SH_SE_3PAR_Stor_
Vol_Stats.MINAvgIORespons
eTime)
when 'Average of Average
I/O Response Time (ms)' t
hen AVG(SH_SE_3PAR_Stor_
Vol_Stats.AVGAvgIORespons
eTime)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SH_SE_3PAR_S
tor_Vol_Stats.MAXAvgReadI

ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SH_SE_3PAR_S
tor_Vol_Stats.MINAvgReadI
ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SH_SE_3PAR_S
tor_Vol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SH_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
telORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SH_SE_3PAR
_Stor_Vol_Stats.MINAvgWri
telORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SH_SE_3PAR
_Stor_Vol_Stats.AVGAvgWri
telORespTime)
when 'Maximum of Average
% Busy' then MAX(SH_SE_3
PAR_Stor_Vol_Stats.MAXAvg
PercentBusy)
when 'Minimum of Average
% Busy' then MIN(SH_SE_3P
AR_Stor_Vol_Stats.MINAvgP
ercentBusy)
when 'Maximum of Average
Queue Depth' then MAX(SH_
SE_3PAR_Stor_Vol_Stats.MA
XAvgQueueDepth)
when 'Minimum of Average
Queue Depth' then MIN(SH_
SE_3PAR_Stor_Vol_Stats.MI
NAvgQueueDepth)
when 'Average of Average
Queue Depth' then AVG(SH_
SE_3PAR_Stor_Vol_Stats.AV
GAvgQueueDepth)

```

when 'Maximum Delta Read
Hit I/Os (Req/Sec)' then M
AX(SH_SE_3PAR_Stor_Vol_S
tats.MAXDeltaReadHitIOs)
when 'Minimum Delta Read
Hit I/Os (Req/Sec)' then M
IN(SH_SE_3PAR_Stor_Vol_St
ats.MINDeltaReadHitIOs)
when 'Average Delta Read
Hit I/Os (Req/Sec)' then A
VG(SH_SE_3PAR_Stor_Vol_S
tats.AVGDeltaReadHitIOs)
when 'Maximum Delta Write
I/Os (Req/Sec)' then MAX
(SH_SE_3PAR_Stor_Vol_Stat
s.MAXDeltaWriteIOs)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_Stor_Vol_Stats
.MINDeltaWriteIOs)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SH_SE_3PAR_Stor_Vol_Stat
s.AVGDeltaWriteIOs)
else 0
end

```

Where equivalent:

Qualification:	measure
Aggregate function:	Min
List of values:	no
Security access level:	0
Can be used:	in result, in condition, in sort
Object status:	show

Object:	HourlyOLAP Measure
Type:	Character
Description:	

Select equivalent:	"3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:	

Qualification:	dimension
List of values:	1r1, editable, manual refresh, not exportable
Security access level:	0

Can be used: in result, in condition, in sort
 Object status: show

Class:	DailyOLAP 3PAR AVG Storage Pool Volume Measures
Description:	

Object: DailyOLAP Aggregate Measure
 Type: Number
 Description:

Select equivalent: case "3PAR_VOLUME_HISTORY_MEASURE".Measure
 when 'Maximum Write Data
 Rate (Bytes/Sec)' then MA
 X(SD_SE_3PAR_Stor_Vol_St
 ats.MAXWriteDataRate)
 when 'Minimum Write Data
 Rate (Bytes/Sec)' then MI
 N(SD_SE_3PAR_Stor_Vol_St
 ats.MINWriteDataRate)
 when 'Average Write Data
 Rate (Bytes/Sec)' then AV
 G(SD_SE_3PAR_Stor_Vol_St
 ats.AVGWriteDataRate)
 when 'Maximum Read Data
 Rate (Bytes/Sec)' then MA
 X(SD_SE_3PAR_Stor_Vol_St
 ats.MAXReadDataRate)
 when 'Minimum Read Data R
 ate (Bytes/Sec)' then MIN(
 SD_SE_3PAR_Stor_Vol_Stats
 .MINReadDataRate)
 when 'Average Read Data R
 ate (Bytes/Sec)' then AVG(
 SD_SE_3PAR_Stor_Vol_Stats
 .AVGReadDataRate)
 when 'Maximum Total Data
 Rate (Req/Sec)' then MAX(
 SD_SE_3PAR_Stor_Vol_Stats
 .MAXTotalDataRate)
 when 'Minimum Total Data
 Rate (Req/Sec)' then MIN(
 SD_SE_3PAR_Stor_Vol_Stats
 .MINTotalDataRate)
 when 'Average Total Data
 Rate (Req/Sec)' then AVG(
 SD_SE_3PAR_Stor_Vol_Stats
 .AVGTOTALDataRate)

SD_SE_3PAR_Stor_Vol_Stats
.AVGTotalDataRate)
when 'Maximum Read Hit Ra
te (Req/Sec)' then MAX(SD
_SE_3PAR_Stor_Vol_Stats.M
AXReadHitRate)
when 'Minimum Read Hit Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_Stor_Vol_Stats.M
INReadHitRate)
when 'Average Read Hit Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Stor_Vol_Stats.A
VGReadHitRate)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SD_SE_3PAR_Stor_Vol_S
tats.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SD_SE_3PAR_Stor_Vol_St
ats.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SD_SE_3PAR_Stor_Vol_St
ats.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SD_SE_3PAR_Stor_Vol_S
tats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SD_SE_3PAR_Stor_Vol_St
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_Stor_Vol_S
tats.AVGAvgWriteSize)
when 'Maximum % Write I/
Os' then MAX(SD_SE_3PAR_
Stor_Vol_Stats.MAXPctWrit
eIOs)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_St
or_Vol_Stats.MINPctWritel
Os)

```
when 'Maximum % Read I/O
s' then MAX(SD_SE_3PAR_St
or_Vol_Stats.MAXPctReadIO
s)
when 'Minimum % Read I/O
s' then MIN(SD_SE_3PAR_St
or_Vol_Stats.MINPctReadIO
s)
when 'Maximum % Hit Rate'
then MAX(SD_SE_3PAR_Sto
r_Vol_Stats.MAXPctHitRate
)
when 'Minimum % Hit Rate'
then MIN(SD_SE_3PAR_Stor
_Vol_Stats.MINPctHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Stor_Vol_Stats.
MAXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Stor_Vol_Stats.
MINWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Stor_Vol_Stats.
AVGWriteRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Stor_Vol_Stats.
MAXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_Stor_Vol_Stats.M
INReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_Stor_Vol_Stats.A
VGReadRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Stor_Vol_Stats.
MAXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Stor_Vol_Stats.
```

MINTotalIORate)
when 'Average Total I/O Rate (Req/Sec)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGTotalIORate)
when 'Maximum of Average I/O Response Time (ms)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgIOResponseTime)
when 'Minimum of Average I/O Response Time (ms)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgIOResponseTime)
when 'Average of Average I/O Response Time (ms)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgIOResponseTime)
when 'Maximum of Average Read I/O Response Time (ms)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgReadIORespTime)
when 'Minimum of Average Read I/O Response Time (ms)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgReadIORespTime)
when 'Average of Average Read I/O Response Time (ms)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgReadIORespTime)
when 'Maximum of Average Write I/O Response Time (ms)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgWriteIORespTime)
when 'Minimum of Average Write I/O Response Time (ms)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgWriteIORespTime)
when 'Average of Average

Write I/O Response Time (ms)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgWriteIOWriteTime)

when 'Maximum of Average % Busy' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgPercentBusy)

when 'Minimum of Average % Busy' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgPercentBusy)

when 'Maximum of Average Queue Depth' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXAvgQueueDepth)

when 'Minimum of Average Queue Depth' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINAvgQueueDepth)

when 'Average of Average Queue Depth' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGAvgQueueDepth)

when 'Maximum Delta Read Hit I/Os (Req/Sec)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaReadHitIOWriteTime)

when 'Minimum Delta Read Hit I/Os (Req/Sec)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINDeltaReadHitIOWriteTime)

when 'Average Delta Read Hit I/Os (Req/Sec)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaReadHitIOWriteTime)

when 'Maximum Delta Write I/Os (Req/Sec)' then MAX(SD_SE_3PAR_Stor_Vol_Stats.MAXDeltaWriteIOWriteTime)

when 'Minimum Delta Write I/Os (Req/Sec)' then MIN(SD_SE_3PAR_Stor_Vol_Stats.MINDeltaWriteIOWriteTime)

when 'Average Delta Write I/Os (Req/Sec)' then AVG(SD_SE_3PAR_Stor_Vol_Stats.AVGDeltaWriteIOWriteTime)

```
(SD_SE_3PAR_Stor_Vol_Stat
s.AVGDeltaWriteIOs)
else 0
end
```

Where equivalent:

Qualification: measure
Aggregate function: Min
List of values: no
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: DailyOLAP Measure
Type: Character
Description:

Select equivalent: "3PAR_VOLUME_HISTORY_MEASURE".Measure
Where equivalent:

Qualification: dimension
List of values: 1r3, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Class:	Date Time Period
Description:	

Object: Date
Type: Date
Description:

Select equivalent: convert(date,Dateformat(D
ATETIME.TIME_FULL_DATE,'
yyyy-mm-dd'))

Where equivalent:

Qualification: dimension
List of values: 3jj, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: SHRDate
Type: Date
Description: SHR Date
Select equivalent: Date(SHRDate.SHRDate)
Where equivalent:

Qualification: dimension
List of values: 1ny, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: hidden

Object: Start Date
Type: Date
Description: Date Min Range
Select equivalent: DATETIMERANGE.DATE_RANGE_MIN
Where equivalent:

Qualification: dimension
List of values: 3jk, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: End Date
Type: Date
Description: Date Max Range
Select equivalent: DATETIMERANGE.DATE_RANGE_MAX
Where equivalent:

Qualification: dimension
List of values: 3jl, editable, manual refresh, not exportable
Security access level: 0
Can be used: in result, in condition, in sort
Object status: show

Object: Date Range
Type: Character
Description: Date Range
Select equivalent: DATETIMERANGE.Date_Range
Where equivalent:

Qualification: dimension
 List of values: 3jm, editable, automatic refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Full Date-Hourly
 Type: Date
 Description: Full Date
 Select equivalent: cast(substring(Cast(DATETIME.TIME_FULL_DATE as char(26)),1,10) as datetime)
 Where equivalent: DATETIME.HOUR_BOUNDARY=1
 Qualification: dimension
 List of values: 1nm, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Full Date-Daily
 Type: Date
 Description: Full Date
 Select equivalent: cast(substring(Cast(DATETIME.TIME_FULL_DATE as char(26)),1,10) as datetime)
 Where equivalent: DATETIME.DAY_BOUNDARY=1
 Qualification: dimension
 List of values: 1np, editable, manual refresh, not exportable
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Object: Full Date-Min
 Type: Date
 Description: Full Date
 Select equivalent: Min(DATETIME.TIME_FULL_DATE)
 Where equivalent:
 Qualification: measure
 Aggregate function: Min
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort

Object status: show

Object: Full Date-Max
 Type: Date
 Description: Full Date
 Select equivalent: Max(DATETIME.TIME_FULL_DATE)
 Where equivalent:

Qualification: measure
 Aggregate function: Max
 List of values: no
 Security access level: 0
 Can be used: in result, in condition, in sort
 Object status: show

Conditions

Class:	SOM_HP3PARPerfReporting_Core
Description:	

3PAR Storage Systems

Description:
 Where Equivalent:K_SE_StorageSystem.ProviderTag='TPD_StorageSystem'

Class:	Raw HP 3PAR Storage System Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
 PAR Storage System performance statisti
 cs for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Storage System Statistics)\Full Dat
 e) in (Select max(SR_SE_3PAR_Stor_Sys_
 Stats.ta_period) from SR_SE_3PAR_Stor_
 Sys_Stats, K_SE_StorageSystem K WHERE
 SR_SE_3PAR_Stor_Sys_Stats.dsi_key_id_
 = K.dsi_key_id and K.dsi_key_id=@Selec
 t(Supplemental\Storage System Key) Gro
 up By K.dsi_key_id)

Class: Hourly HP 3PAR Storage System Statistics
 Description:

Latest Collection Time

Description:Filters data to display HP 3
 PAR Storage System performance statisti
 cs for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Storage System Statistics)\Full Dat
 e) in (Select max(SH_SE_3PAR_Stor_Sys_
 Stats.ta_period) from SH_SE_3PAR_Stor_
 Sys_Stats, K_SE_StorageSystem K WHERE
 SH_SE_3PAR_Stor_Sys_Stats.dsi_key_id_
 = K.dsi_key_id and K.dsi_key_id=@Selec
 t(Supplemental\Storage System Key) Gro
 up By K.dsi_key_id)

Class: Daily HP 3PAR Storage System Statistics
Description:

Latest Collection Time

Description:Filters data to display HP 3
 PAR Storage System performance statisti
 cs for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Storage System Statistics)\Full Dat
 e) in (Select max(SD_SE_3PAR_Stor_Sys_
 Stats.ta_period) from SD_SE_3PAR_Stor_
 Sys_Stats, K_SE_StorageSystem K WHERE
 SD_SE_3PAR_Stor_Sys_Stats.dsi_key_id_
 = K.dsi_key_id and K.dsi_key_id=@Selec
 t(Supplemental\Storage System Key) Gro
 up By K.dsi_key_id)

Class: HourlyOLAP-HP 3PAR Storage System Statistics
Description:

Latest Collection Time

Description:Filters data to display HP 3
 PAR Storage System performance statisti
 cs for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Storage System Statistics)\Full Dat

e) in (Select max(SH_SE_3PAR_Stor_Sys_Stats.ta_period) from SH_SE_3PAR_Stor_Sys_Stats, K_SE_StorageSystem K WHERE SH_SE_3PAR_Stor_Sys_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage System Key) Group By K.dsi_key_id)

Class: DailyOLAP-HP 3PAR Storage System Statistics
Description:

Latest Collection Time

Description:Filters data to display HP 3 PAR Storage System performance statistics for the latest collection time ONLY.
Where Equivalent:@Select(DATETIME(HP 3 PAR Storage System Statistics)\Full Date) in (Select max(SD_SE_3PAR_Stor_Sys_Stats.ta_period) from SD_SE_3PAR_Stor_Sys_Stats, K_SE_StorageSystem K WHERE SD_SE_3PAR_Stor_Sys_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage System Key) Group By K.dsi_key_id)

Class: Raw HP 3PAR Storage Volume Statistics
Description:

Latest Collection Time

Description:Filters data to display HP 3 PAR Storage Volume Performance Statistics for the latest collection time ONLY.
Where Equivalent:@Select(DATETIME(HP 3 PAR Storage Volume Statistics)\Full Date) in (Select max(SR_SE_3PAR_Stor_Vol_Stats.ta_period) from SR_SE_3PAR_Stor_Vol_Stats, K_SE_Storage_Volume K WHERE SR_SE_3PAR_Stor_Vol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class: Hourly HP 3PAR Storage Volume Statistics
Description:

Latest Collection Time

Description:Filters data to display HP 3 PAR Storage Volume Performance Statistics for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3 PAR Storage Volume Statistics)\Full Date) in (Select max(SH_SE_3PAR_Stor_Vol_Stats.ta_period) from SH_SE_3PAR_Stor_Vol_Stats, K_SE_Storage_Volume K WHERE SH_SE_3PAR_Stor_Vol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class:	Daily HP 3PAR Storage Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3 PAR Storage Volume Performance Statistics for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3 PAR Storage Volume Statistics)\Full Date) in (Select max(SD_SE_3PAR_Stor_Vol_Stats.ta_period) from SD_SE_3PAR_Stor_Vol_Stats, K_SE_Storage_Volume K WHERE SD_SE_3PAR_Stor_Vol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class:	HourlyOLAP-HP 3PAR Storage Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3 PAR Storage Volume Performance Statistics for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3 PAR Storage Volume Statistics)\Full Date) in (Select max(SH_SE_3PAR_Stor_Vol_Stats.ta_period) from SH_SE_3PAR_Stor_

Vol_Stats, K_SE_Storage_Volume K WHERE
 SH_SE_3PAR_Stor_Vol_Stats.dsi_key_id_
 = K.dsi_key_id and K.dsi_key_id=@Sele
 ct(Supplemental\Storage Volume Key) Gr
 oup By K.dsi_key_id)

Class:	DailyOLAP-HP 3PAR Storage Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
 PAR Storage Volume Performance Statisti
 cs for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Storage Volume Statistics)\Full Dat
 e) in (Select max(SD_SE_3PAR_Stor_Vol_
 Stats.ta_period) from SD_SE_3PAR_Stor_
 Vol_Stats, K_SE_Storage_Volume K WHERE
 SD_SE_3PAR_Stor_Vol_Stats.dsi_key_id_
 = K.dsi_key_id and K.dsi_key_id=@Sele
 ct(Supplemental\Storage Volume Key) Gr
 oup By K.dsi_key_id)

Class:	Raw HP 3PAR Controller Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Controller Performance Statistics for the latest collection time ONLY.
 Where Equivalent:@Select(DATETIME(HP 3
 PAR Controller Statistics)\Full Date) in
 (Select max(SR_SE_3PAR_Cntrlr_Stats.ta
 _period) from SR_SE_3PAR_Cntrlr_Stats,
 K_SE_Storage_Processor K WHERE SR_SE_
 3PAR_Cntrlr_Stats.dsi_key_id_ = K.dsi_k
 ey_id and K.dsi_key_id=@Select(Supple
 mental\Controller Key) Group By K.dsi_k
 ey_id)

Class:	Hourly HP 3PAR Controller Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Controller Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Controller Statistics)\Full Date) in
(Select max(SH_SE_3PAR_Cntrlr_Stats.ta
_period) from SH_SE_3PAR_Cntrlr_Stats,
K_SE_Storage_Processor K WHERE SH_SE_
3PAR_Cntrlr_Stats.dsi_key_id_ = K.dsi_k
ey_id and K.dsi_key_id=@Select(Supple
mental\Controller Key) Group By K.dsi_k
ey_id)

Class:	Daily HP 3PAR Controller Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Controller Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Controller Statistics)\Full Date) in
(Select max(SD_SE_3PAR_Cntrlr_Stats.ta
_period) from SD_SE_3PAR_Cntrlr_Stats,
K_SE_Storage_Processor K WHERE SD_SE_
3PAR_Cntrlr_Stats.dsi_key_id_ = K.dsi_k
ey_id and K.dsi_key_id=@Select(Supple
mental\Controller Key) Group By K.dsi_k
ey_id)

Class:	HourlyOLAP-HP 3PAR Controller Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Controller Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Controller Statistics)\Full Date) in
(Select max(SH_SE_3PAR_Cntrlr_Stats.ta
_period) from SH_SE_3PAR_Cntrlr_Stats,
K_SE_Storage_Processor K WHERE SH_SE_
3PAR_Cntrlr_Stats.dsi_key_id_ = K.dsi_k
ey_id and K.dsi_key_id=@Select(Supple
mental\Controller Key) Group By K.dsi_k
ey_id)

Class:	DailyOLAP-HP 3PAR Controller Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Controller Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Controller Statistics)\Full Date) in
(Select max(SD_SE_3PAR_Cntrlr_Stats.ta
_period) from SD_SE_3PAR_Cntrlr_Stats,
K_SE_Storage_Processor K WHERE SD_SE_
3PAR_Cntrlr_Stats.dsi_key_id_ = K.dsi_k
ey_id and K.dsi_key_id=@Select(Supple
mental\Controller Key) Group By K.dsi_k
ey_id)

Class:	Raw HP 3PAR Disk Statistics
Description:	

Latest Collection Time

Description:Filters data to display NAS logical volume capacity information for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Disk Statistics)\Full Date) in (Sele
ct max(SR_SE_3PAR_Disk_Stats.ta_period
) from SR_SE_3PAR_Disk_Stats, K_SE_Sto
rage_DiskDrive K WHERE SR_SE_3PAR_Dis
k_Stats.dsi_key_id_ = K.dsi_key_id and
K.dsi_key_id=@Select(Supplemental\Disk
Drive Key) Group By K.dsi_key_id)

Class:	Hourly HP 3PAR Disk Statistics
Description:	

Latest Collection Time

Description:Filters data to display NAS logical volume capacity information for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Disk Statistics)\Full Date) in (Sele
ct max(SH_SE_3PAR_Disk_Stats.ta_period
) from SH_SE_3PAR_Disk_Stats, K_SE_Sto
rage_DiskDrive K WHERE SH_SE_3PAR_Dis
k_Stats.dsi_key_id_ = K.dsi_key_id and
K.dsi_key_id=@Select(Supplemental\Disk
Drive Key) Group By K.dsi_key_id)

Class:	Daily HP 3PAR Disk Statistics
Description:	

Latest Collection Time

Description:Filters data to display NAS logical volume capacity information for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Disk Statistics)\Full Date) in (Sele
ct max(SD_SE_3PAR_Disk_Stats.ta_period
) from SD_SE_3PAR_Disk_Stats, K_SE_Sto
rage_DiskDrive K WHERE SD_SE_3PAR_Dis
k_Stats.dsi_key_id_ = K.dsi_key_id and
K.dsi_key_id=@Select(Supplemental\Disk
Drive Key) Group By K.dsi_key_id)

Class:	HourlyOLAP-HP 3PAR Disk Statistics
Description:	

Latest Collection Time

Description:Filters data to display NAS logical volume capacity information for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Disk Statistics)\Full Date) in (Sele
ct max(SH_SE_3PAR_Disk_Stats.ta_period
) from SH_SE_3PAR_Disk_Stats, K_SE_Sto
rage_DiskDrive K WHERE SH_SE_3PAR_Dis
k_Stats.dsi_key_id_ = K.dsi_key_id and
K.dsi_key_id=@Select(Supplemental\Disk
Drive Key) Group By K.dsi_key_id)

Class:	DailyOLAP-HP 3PAR Disk Statistics
Description:	

Latest Collection Time

Description:Filters data to display NAS logical volume capacity information for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR Disk Statistics)\Full Date) in (Sele
ct max(SD_SE_3PAR_Disk_Stats.ta_period
) from SD_SE_3PAR_Disk_Stats, K_SE_Sto
rage_DiskDrive K WHERE SD_SE_3PAR_Dis
k_Stats.dsi_key_id_ = K.dsi_key_id and
K.dsi_key_id=@Select(Supplemental\Disk
Drive Key) Group By K.dsi_key_id)

Class:	Raw HP 3PAR FC Port Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Disk Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR FC Port Statistics)\Full Date) in (S
elect max(SR_SE_3PAR_FCPort_Stats.ta_p
eriod) from SR_SE_3PAR_FCPort_Stats, K
_SE_Storage_Port K WHERE SR_SE_3PAR_
FCPort_Stats.dsi_key_id_ = K.dsi_key_id
and K.dsi_key_id=@Select(Supplementa
\FC Port Key) Group By K.dsi_key_id)

Class:	Hourly HP 3PAR FC Port Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Disk Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR FC Port Statistics)\Full Date) in (S
elect max(SH_SE_3PAR_FCPort_Stats.ta_p
eriod) from SH_SE_3PAR_FCPort_Stats, K
_SE_Storage_Port K WHERE SH_SE_3PAR_
FCPort_Stats.dsi_key_id_ = K.dsi_key_id
and K.dsi_key_id=@Select(Supplementa
\
FC Port Key) Group By K.dsi_key_id)

Class:	Daily HP 3PAR FC Port Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Disk Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR FC Port Statistics)\Full Date) in (S
elect max(SD_SE_3PAR_FCPort_Stats.ta_p
eriod) from SD_SE_3PAR_FCPort_Stats, K
_SE_Storage_Port K WHERE SD_SE_3PAR_
FCPort_Stats.dsi_key_id_ = K.dsi_key_id
and K.dsi_key_id=@Select(Supplementa
\
FC Port Key) Group By K.dsi_key_id)

Class:	HourlyOLAP-HP 3PAR FC Port Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Disk Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3 PAR FC Port Statistics)\Full Date) in (Select max(SH_SE_3PAR_FCPort_Stats.ta_period) from SH_SE_3PAR_FCPort_Stats, K_SE_Storage_Port K WHERE SH_SE_3PAR_FCPort_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\FC Port Key) Group By K.dsi_key_id)

Class:	DailyOLAP-HP 3PAR FC Port Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3PAR Disk Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3 PAR FC Port Statistics)\Full Date) in (Select max(SD_SE_3PAR_FCPort_Stats.ta_period) from SD_SE_3PAR_FCPort_Stats, K_SE_Storage_Port K WHERE SD_SE_3PAR_FCPort_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\FC Port Key) Group By K.dsi_key_id)

Class:	Raw HP 3PAR AVG Storage System Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3 PAR AVG Storage System Volume Performance Statistics for the latest collection time ONLY.

Where Equivalent:@Select(DATETIME(HP 3 PAR AVG Storage System Volume Statistics)\Full Date) in (Select max(SR_SE_3PAR_SSAGVol_Stats.ta_period) from SR_SE_3PAR_SSAGVol_Stats, K_SE_Storage_Volume K WHERE SR_SE_3PAR_SSAGVol_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class:	Hourly HP 3PAR AVG Storage System Volume Statistics
Description:	

Description:

Latest Collection Time

Description:Filters data to display HP 3
PAR AVG Storage System Volume Performance Statistics for the latest collection
time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage System Volume Statistics)\Full Date) in (Select max(SD_SE_3PAR
_SSAGVol_Stats.ta_period) from SD_SE_3
PAR_SSAGVol_Stats, K_SE_Storage_Volume
K WHERE SD_SE_3PAR_SSAGVol_Stats.dsi
_key_id_ = K.dsi_key_id and K.dsi_key_
id=@Select(Supplemental\Storage Volume
Key) Group By K.dsi_key_id)

Class:	Daily HP 3PAR AVG Storage System Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
PAR AVG Storage System Volume Performance Statistics for the latest collection
time ONLY.

Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage System Volume Statistics)\Full Date) in (Select max(SH_SE_3PAR
_SSAGVol_Stats.ta_period) from SH_SE_3
PAR_SSAGVol_Stats, K_SE_Storage_Volume
K WHERE SH_SE_3PAR_SSAGVol_Stats.dsi
_key_id_ = K.dsi_key_id and K.dsi_key_
id=@Select(Supplemental\Storage Volume
Key) Group By K.dsi_key_id)

Class:	HourlyOLAP-HP 3PAR AVG Storage System Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
PAR AVG Storage System Volume Performance

nce Statistics for the latest collection
time ONLY.
Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage System Volume Statistic
s)\Full Date) in (Select max(SD_SE_3PAR
_SSAGVol_Stats.ta_period) from SD_SE_3
PAR_SSAGVol_Stats, K_SE_Storage_Volume
K WHERE SD_SE_3PAR_SSAGVol_Stats.dsi
_key_id_ = K.dsi_key_id and K.dsi_key_
id=@Select(Supplemental\Storage Volume
Key) Group By K.dsi_key_id)

Class:	DailyOLAP-HP 3PAR AV G Storage System Volu me Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
PAR AVG Storage System Volume Performa
nce Statistics for the latest collection
time ONLY.
Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage System Volume Statistic
s)\Full Date) in (Select max(SH_SE_3PAR
_SSAGVol_Stats.ta_period) from SH_SE_3
PAR_SSAGVol_Stats, K_SE_Storage_Volume
K WHERE SH_SE_3PAR_SSAGVol_Stats.dsi
_key_id_ = K.dsi_key_id and K.dsi_key_
id=@Select(Supplemental\Storage Volume
Key) Group By K.dsi_key_id)

Class:	Raw HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to display HP 3
PAR AVG Storage Pool Volume Performanc
e Statistics for the latest collection ti
me ONLY.
Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage Pool Volume Statistics)
\Full Date) in (Select max(SR_SE_3PAR_S
PAGVol_Stats.ta_period) from SR_SE_3PA

```
R_SPAGVol_Stats, K_SE_Storage_Volume K
WHERE SR_SE_3PAR_SPAGVol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id
=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id )
```

Class:	Hourly HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to HP 3PAR AVG Storage Pool Volume Performance Statistics for the latest collection time ONLY

```
Where Equivalent:@Select(DATETIME(HP 3PAR AVG Storage Pool Volume Statistics) \Full Date) in (Select max(SD_SE_3PAR_SPAGVol_Stats.ta_period) from SD_SE_3PAR_SPAGVol_Stats, K_SE_Storage_Volume K WHERE SD_SE_3PAR_SPAGVol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id
=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id )
```

Class:	Daily HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to HP 3PAR AVG Storage Pool Volume Performance Statistics for the latest collection time ONLY

```
Where Equivalent:@Select(DATETIME(HP 3PAR AVG Storage Pool Volume Statistics) \Full Date) in (Select max(SH_SE_3PAR_SPAGVol_Stats.ta_period) from SH_SE_3PAR_SPAGVol_Stats, K_SE_Storage_Volume K WHERE SH_SE_3PAR_SPAGVol_Stats.dsi_key_id = K.dsi_key_id and K.dsi_key_id
=@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id )
```

Class:	HourlyOLAP-HP 3PAR AVG Storage Pool Volume
--------	--

e Statistics

Description:

Latest Collection Time

Description:Filters data to HP 3PAR AVG Storage Pool Volume Performance Statistics for the latest collection time ONLY

Where Equivalent:@Select(DATETIME(HP 3PAR AVG Storage Pool Volume Statistics) \Full Date) in (Select max(SD_SE_3PAR_SPAGVol_Stats.ta_period) from SD_SE_3PAR_SPAGVol_Stats, K_SE_Storage_Volume K WHERE SD_SE_3PAR_SPAGVol_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id =@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class:	DailyOLAP-HP 3PAR AVG Storage Pool Volume Statistics
Description:	

Latest Collection Time

Description:Filters data to HP 3PAR AVG Storage Pool Volume Performance Statistics for the latest collection time ONLY

Where Equivalent:@Select(DATETIME(HP 3PAR AVG Storage Pool Volume Statistics) \Full Date) in (Select max(SH_SE_3PAR_SPAGVol_Stats.ta_period) from SH_SE_3PAR_SPAGVol_Stats, K_SE_Storage_Volume K WHERE SH_SE_3PAR_SPAGVol_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id =@Select(Supplemental\Storage Volume Key) Group By K.dsi_key_id)

Class:	Date Time Period
Description:	

Gap Filter

Description:Used to fill the values for the missing date ranges

Where Equivalent:DATETIME.TIME_FULL_D

ATE < convert(date,cast(Year(getSHRDate()+1 as char(4))+ '-01-01')

Use Custom Range

Description:Use Custom Range Filter List of Values for Date Range Prompt

Where Equivalent:@Variable('Select Date Range')='Use Custom Range'

DateTimeRange

Description:Date Time Range Filter Prompt with Various List of Values for Time Period

Where Equivalent:DATETIMERANGE.DATE_RANGE

ANGE = @Prompt('Select Date Range','A',
{'Current Month','Last Month','Last 3 Months','Use Custom Range'},mono,constrained,persistent,{'Current Month'})

Hierarchies

MA_GEN_HIE_HP3PAR Storage System Hierarchy(HP3PARStorageSystem(HP 3PAR Storage System Statistics))

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/SOM Source Name

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/Tenant Name

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/Vendor

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/Model

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/Storage System Name

HP3PARStorageSystem(HP 3PAR Storage System Statistics)/Storage System UUID

MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR Storage System Statistics))

DATETIME(HP 3PAR Storage System Statistics)/Year

DATETIME(HP 3PAR Storage System Statistics)/Month

DATETIME(HP 3PAR Storage System Statistics)/Day

DATETIME(HP 3PAR Storage System Statistics)/Hour

MA_GEN_HIE_HP3PAR Storage Volume Hierarchy(HP3PARStorageVolume(HP 3PAR Storage Volume Statistics))

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/SOM Source Name

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Tenant Name

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Vendor

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Model

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Storage System Name

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Block Pool Name

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Block Volume Name

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Storage System UUID

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Block Pool UUID

HP3PARStorageVolume(HP 3PAR Storage Volume Statistics)/Block Volume UUID

MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR Storage Volume Statistics))

DATETIME(HP 3PAR Storage Volume Statistics)/Year

DATETIME(HP 3PAR Storage Volume Statistics)/Month

DATETIME(HP 3PAR Storage Volume Statistics)/Day

DATETIME(HP 3PAR Storage Volume Statistics)/Hour
MA_GEN_HIE_HP3PAR Processor System Hierarchy(HP3PARStorageProcessor(HP 3PAR Controller Statistics))
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/SOM Source Name
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Tenant Name
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Vendor
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Model
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Storage System Name
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Block Processor Name
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Storage System UUID
HP3PARStorageProcessor(HP 3PAR Controller Statistics)/Block Processor UUID
MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR Controller Statistics))
DATETIME(HP 3PAR Controller Statistics)/Year
DATETIME(HP 3PAR Controller Statistics)/Month
DATETIME(HP 3PAR Controller Statistics)/Day
DATETIME(HP 3PAR Controller Statistics)/Hour
MA_GEN_HIE_HP3PAR Disk Drive Hierarchy(HP3PARDiskDrive(HP 3PAR Disk Statistics))
HP3PARDiskDrive(HP 3PAR Disk Statistics)/SOM Source Name
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Tenant Name
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Vendor
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Model
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Storage System Name
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Disk Drive Name
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Storage System UUID
HP3PARDiskDrive(HP 3PAR Disk Statistics)/Disk Drive UUID
MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR Disk Statistics))
DATETIME(HP 3PAR Disk Statistics)/Year
DATETIME(HP 3PAR Disk Statistics)/Month
DATETIME(HP 3PAR Disk Statistics)/Day
DATETIME(HP 3PAR Disk Statistics)/Hour
MA_GEN_HIE_HP3PAR Port Hierarchy(HP3PARStoragePort(HP 3PAR FC Port Statistics))
HP3PARStoragePort(HP 3PAR FC Port Statistics)/SOM Source Name
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Tenant Name
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Vendor
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Model
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Storage System Name
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Block Processor Name
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Port Name
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Storage System UUID
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Block Processor UUID
HP3PARStoragePort(HP 3PAR FC Port Statistics)/Port UUID
MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR FC Port Statistics))
DATETIME(HP 3PAR FC Port Statistics)/Year
DATETIME(HP 3PAR FC Port Statistics)/Month
DATETIME(HP 3PAR FC Port Statistics)/Day
DATETIME(HP 3PAR FC Port Statistics)/Hour
MA_GEN_HIE_HP3PAR Storage System Hiera

rchy(HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics))
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/SOM Source Name
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/Tenant Name
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/Vendor
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/Model
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/Storage System Name
 HP3PARStorageSystem(HP 3PAR AVG Storage System Volume Statistics)/Storage System UUID
 MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR AVG Storage System Volume Statistics))
 DATETIME(HP 3PAR AVG Storage System Volume Statistics)/Year
 DATETIME(HP 3PAR AVG Storage System Volume Statistics)/Month
 DATETIME(HP 3PAR AVG Storage System Volume Statistics)/Day
 DATETIME(HP 3PAR AVG Storage System Volume Statistics)/Hour
 MA_GEN_HIE_HP3PAR Storage Pool Hierarchy(HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics))
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/SOM Source Name
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Tenant Name
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Vendor
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Model
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Storage System Name
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Block Pool Name
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Storage System UUID
 HP3PARStoragePool(HP 3PAR AVG Storage Pool Volume Statistics)/Block Pool UUID
 MA_GEN_HIE_DATETIMEHierarchy(DATETIME(HP 3PAR AVG Storage Pool Volume Statistics))
 DATETIME(HP 3PAR AVG Storage Pool Volume Statistics)/Year
 DATETIME(HP 3PAR AVG Storage Pool Volume Statistics)/Month
 DATETIME(HP 3PAR AVG Storage Pool Volume Statistics)/Day
 DATETIME(HP 3PAR AVG Storage Pool Volume Statistics)/Hour

Context List

MA_GEN_CONT_SD_SE_3PAR_SSAGVol_Stats
 MA_GEN_CONT_SH_SE_3PAR_Cntrlr_Stats
 MA_CUST_CONT_StorageVolume
 MA_GEN_CONT_SR_SE_3PAR_Cntrlr_Stats
 MA_GEN_CONT_SR_SE_3PAR_SPAGVol_Stats
 MA_GEN_CONT_SH_SE_3PAR_Stor_Vol_Stats
 MA_GEN_CONT_SD_SE_3PAR_Stor_Sys_Stats
 MA_CUST_CONT_StoragePool
 MA_GEN_CONT_SR_SE_3PAR_Stor_Sys_Stats
 MA_GEN_CONT_SR_SE_3PAR_Disk_Stats
 MA_GEN_CONT_SH_SE_3PAR_Disk_Stats
 MA_GEN_CONT_SH_SE_3PAR_SSAGVol_Stats
 MA_CUST_CONT_StorageDiskDrive
 MA_GEN_CONT_SR_SE_3PAR_SSAGVol_Stats
 MA_GEN_CONT_SD_SE_3PAR_SPAGVol_Stats
 MA_CUST_CONT_StoragePort

MA_GEN_CONT_SD_SE_3PAR_FCPort_Stats
MA_GEN_CONT_SD_SE_3PAR_Stor_Vol_Stats
MA_GEN_CONT_SR_SE_3PAR_Stor_Vol_Stats
MA_GEN_CONT_SD_SE_3PAR_Disk_Stats
MA_GEN_CONT_SD_SE_3PAR_Cntrlr_Stats
MA_GEN_CONT_SH_SE_3PAR_Stor_Sys_Stats
MA_GEN_CONT_SH_SE_3PAR_FCPort_Stats
MA_GEN_CONT_SH_SE_3PAR_SPAGVol_Stats
MA_GEN_CONT_SR_SE_3PAR_FCPort_Stats

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**Feedback on Content Pack for HP 3PAR Performance Statistics Universe Reference, March 2015
(Storage Operations Manager 10.00)**

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to storage-management-doc-feedback@hp.com.