HP Storage Operations Manager

Software Version: 10.01
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.
(http://www.extreme.indiana.edu)

This product uses the j-Interop library to interoperate with COM servers.
(http://www.j-interop.org)

Documentation Updates

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

- Software Version number, which indicates the software version.
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Universe Parameters

Definition

Name:	SOM_HP3PARPerfReporting Universe
Description:	
Connection:	MA_3PAR

General information

Created:	2/23/2015 by Administrator
Modified:	6/8/2015 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 Syste m 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, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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 w hen the storage system wa s 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 devic es 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 ope rations in requests per se cond for reads and writes for the entire storage sys tem.
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 dat
a can be transmitted betw
een 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 dat
a can be transmitted betw
een 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 dat
a can be transmitted betw
een devices for the entire

	storage system
Select equivalent:	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 numbe r of I/O operations in req uests 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 requ ests 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 requ ests per second for reads and writes for the entire storage system.
Select equivalent:	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:	Daily HP 3PAR Storage System Statistics
Description:	

Object:	Maximum Total Data Rate (Bytes/Sec)
Type:	Number
Description:	Maximum Rate at which dat a can be transmitted betw een 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 dat a can be transmitted betw een 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 dat a can be transmitted betw een 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 numbe r of I/O operations in req uests 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 requ ests 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 requ ests 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 dat a can be transmitted betw een 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 dat a can be transmitted betw een 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 dat a can be transmitted betw een 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 numbe r of I/O operations in req uests 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 requ ests 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 requ ests 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 dat
a can be transmitted betw
een 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 dat
a can be transmitted betw
een 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 dat

	a can be transmitted betw een 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 numbe r of I/O operations in req uests 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 requ ests 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 requ ests 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 Volu me 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, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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 w hen the storage system wa s 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, 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 - Primordi al, Concrete, Open, Mainfr ame, 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, 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.VolumeDeviceId
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 applica ble 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 vo lume 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 co nsumed by the Block volum e from the underlying Bloc k 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 c onsumed by the Block volu me from the underlying Bl ock 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 repre sentation of the RAID leve l 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','Ma
inframe','Mainframe Mappe
d' - Volume known to be m
apped from FINCON or ESCO
N port. EFile - Volume kno
wn 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 Emulati
on type for supported Bloc
k 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 ca che hit rate to total numb er 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 total number of I/O operations
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 t otal number of I/O operati ons
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 seco
	nd
Select equivalent:	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 t
	o complete an I/O operati
	on 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 t
	o complete an I/O operati
	on 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 t o complete an I/O operati on 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 Ti me (ms)
Type:	Number
Description:	Maximum of Average time t o complete a read I/O ope ration 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 Ti me (ms)
Type:	Number
Description:	Minimum of Average time t o complete a read I/O ope ration 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 t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Minimum of Average time t o complete a write I/O ope ration 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 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:	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 numbe r of pending read and writ e 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.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_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 t otal number of I/O operati ons
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.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:	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

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_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:	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 numbe r of pending read and writ e 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 t otal number of I/O operati ons
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 t otal number of I/O operati ons
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 seco nd
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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 Ti me (ms)
Type:	Number
Description:	Maximum of Average time t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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 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_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 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_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 numbe r of pending read and writ e 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 t otal number of I/O operati ons
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 t otal number of I/O operati ons
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 seco nd
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 seco nd
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 seco nd
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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 ope

	ration in milliseconds
Select equivalent:	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 Time (ms)
Type:	Number
Description:	Maximum of Average time to complete a write I/O operation 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 Time (ms)
Type:	Number
Description:	Minimum of Average time to complete a write I/O operation 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 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(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 numbe r of pending read and writ e 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: HP3PARStorageProcessor(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, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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:	0di, 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:	0dm, 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:	0dn, 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:	0do, 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:	0ds, 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:	0dt, 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:	0du, 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:	0dv, 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 w hen the storage system wa s 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, 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 m anagement is supported or not on the Block System P rocessor
Select equivalent:	K_SE_Storage_Processor.PowerManagement
Where equivalent:	
Qualification:	detail
Associated dimension name:	Block Processor Name
List of values:	0en, 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:	0eo, 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:	0ep, 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 wr ite 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 W
rite Cache Hits (Writes th
at 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.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_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:	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 rea d and write cache hit rate to total number of I/O op erations
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 rea d and write cache hit rate to total number of I/O op erations
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 numbe r of pending read and writ e 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 tim e, for all read and write I/O operations in millisec onds
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 tim e, for all read and write I/O operations in millisec onds
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 tim e, for all read and write I/O operations in millisec onds
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 directly 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 directly 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 rea d and write cache hit rate to total number of I/O op erations
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 rea d and write cache hit rate to total number of I/O op erations
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 numbe r of pending read and writ e 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 tim e since the system start t ime, for all read and writ e I/O operations in millis econds
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.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:	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 rea d and write cache hit rate to total number of I/O op erations
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 rea d and write cache hit rate to total number of I/O op erations
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 numbe r of pending read and writ e 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 ti me since the system start time, for all read and wri te I/O operations in milli seconds
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 ti me since the system start time, for all read and wri te I/O operations in milli seconds
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 tim e since the system start t ime, for all read and writ e I/O operations in millis econds
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 seco nd
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 rea d and write cache hit rate to total number of I/O op erations
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 rea d and write cache hit rate to total number of I/O op erations
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 numbe r of pending read and writ e 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 ti
me since the system start
time, for all read and wri
te I/O operations in milli
seconds
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 ti
me since the system start
time, for all read and wri
te I/O operations in milli
seconds
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 tim
e since the system start t
ime, for all read and writ
e I/O operations in millis
econds

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

	nd
Select equivalent:	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 directly 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 directly 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:	0l7, 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:	0l8, editable, manual refresh, 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:	0l9, 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:	0la, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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 w hen the storage system wa s 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, 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 whe n converting values from b ytes 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 wh en 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 t o complete an I/O operati on 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 seco
	nd
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 seco
	nd
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 ope

	ration in milliseconds
Select equivalent:	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 t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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.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_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: 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 t
o complete an I/O operati
on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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 t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Minimum of Average time t o complete a write I/O ope ration 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 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:	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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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.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_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.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_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 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_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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t

	o complete an I/O operati
	on 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 numbe
	r of pending read and writ
	e 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

	nd
Select equivalent:	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.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_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 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_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 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_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 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(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, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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 w hen the storage system wa s 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, 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:	0ua, 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:	0ub, 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:	0uc, 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:	0ud, 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:	0ue, 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:	0uf, 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 m anagement is supported or not on the Block System P rocessor
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:	0uk, 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:	0ul, 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:	0um, editable, manual refresh, 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:	SCSIPort
Type:	Number
Description:	SCSI Port
Select equivalent:	K_SE_Storage_Port.SCSIPort
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 seco nd
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.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_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 Performance Statistics
Description:	HP 3PAR Aggregated Volume Statistics (Array Level)

No objects

Class:	HP3PARStorageSystem(HP 3PAR AVG Storage System 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:	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, 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, 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 th e storage system such as CREATED, CONTACTED, MISS ING, 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 w hen the storage system wa s 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 Volume 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.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_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 ca che hit rate to total numb er 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 t
o complete an I/O operati
on 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 t
o complete an I/O operati
on 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 t
o complete an I/O operati
on 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 numbe r of pending read and writ e 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 t

	o complete a write I/O ope
	ration 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 T ime (ms)
Type:	Number
Description:	Minimum of Average time t
	o complete a write I/O ope
	ration 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 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:	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

	ons
Select equivalent:	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 t otal number of I/O operati ons
Select equivalent:	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:	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:	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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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.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_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 WriteIOs
Type:	Number
Description:	Maximum Ratio of write I/Os to total I/Os
Select equivalent:	SD_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:	SD_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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ

	e I/O operations
Select equivalent:	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 t o complete a read I/O ope ration 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

Object:	Minimum of Average Read I/O Response Ti me (ms)
Type:	Number
Description:	Minimum of Average time t o complete a read I/O ope ration 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

Object:	Average of Average Read I/O Response Time (ms)
Type:	Number
Description:	Average of Average time t o complete a read I/O ope ration 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 t

	o complete a write I/O ope
	ration 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 t otal number of I/O operati ons
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 t otal number of I/O operati ons
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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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 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: 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 WriteIOs
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 t
o complete an I/O operati
on 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 t
o complete an I/O operati
on 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 t
o complete an I/O operati
on 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 numbe r of pending read and writ e 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 t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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 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_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 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_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 t otal number of I/O operati ons
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 t otal number of I/O operati ons
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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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 Volu me 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.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_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 t o complete an I/O operati on in milliseconds
Select equivalent:	max(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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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 t o complete a read I/O ope ration 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 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_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 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_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 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(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:	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 t otal number of I/O operati ons
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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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, 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, 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 th
e storage system such as
CREATED, CONTACTED, MISS
ING, 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:	1al, 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 w hen the storage system wa s 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, 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 - Primordi al, Concrete, Open, Mainfr ame, 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 ca che hit rate to total numb er 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.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_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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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 t o complete a read I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t o complete a write I/O ope ration 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 T ime (ms)
Type:	Number
Description:	Minimum of Average time t o complete a write I/O ope ration 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 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: 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 a
nd write I/O operations gi
ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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.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 t

	o complete a read I/O ope
	ration 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 t
	o complete a read I/O ope
	ration 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 T ime (ms)
Type:	Number
Description:	Maximum of Average time t
	o complete a write I/O ope
	ration 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 total number of I/O operations
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 t otal number of I/O operati ons
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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en 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 Volum e 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe r of pending read and writ e 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 ope

	ration in milliseconds
Select equivalent:	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 t otal number of I/O operati ons
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 a nd write I/O operations gi ven 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 an d write I/O operations giv en 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 an d write I/O operations giv en in requests per second
Select equivalent:	avg(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:	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

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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 t o complete an I/O operati on 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 numbe

	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 t o complete a write I/O ope ration 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 t otal number of I/O operati ons
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 t otal number of I/O operati ons
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 a
nd write I/O operations gi
ven 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 an
d write I/O operations giv
en 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 an
d write I/O operations giv
en in requests per second
Select equivalent: avg(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: 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 R
ate (Req/Sec)' Then SH_SE
_3PAR_Stor_Sys_Stats.MAXT
otalIORate
When 'Average Total I/O R
ate (Req/Sec)' Then SH_SE
_3PAR_Stor_Sys_Stats.AVGT
otalIORate
When 'Minimum Total I/O R
ate (Req/Sec)' Then SH_SE
_3PAR_Stor_Sys_Stats.MINT
otalIORate
When 'Maximum Total Data
Rate (Bytes/Sec)' Then SH
_SE_3PAR_Stor_Sys_Stats.M
AXTotalDataRate
When 'Average Total Data
Rate (Bytes/Sec)' Then SH
_SE_3PAR_Stor_Sys_Stats.A
VGTotalDataRate
When 'Minimum Total Data
Rate (Bytes/Sec)' Then SH
_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:	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 R ate (Req/Sec)' Then SD_SE _3PAR_Stor_Sys_Stats.MAXT otalIORate When 'Average Total I/O R ate (Req/Sec)' Then SD_SE _3PAR_Stor_Sys_Stats.AVGT otalIORate When 'Minimum Total I/O R ate (Req/Sec)' Then SD_SE _3PAR_Stor_Sys_Stats.MINT otalIORate When 'Maximum Total Data Rate (Bytes/Sec)' Then SD _SE_3PAR_Stor_Sys_Stats.M AXTotalDataRate When 'Average Total Data Rate (Bytes/Sec)' Then SD _SE_3PAR_Stor_Sys_Stats.A VGTotalDataRate

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.
AVGTotalIORate)

When 'Minimum Total I/O R
ate (Req/Sec)' Then min(S
H_SE_3PAR_Stor_Sys_Stats.
MINTotalIORate)
When 'Maximum Total Data
Rate (Bytes/Sec)' Then ma
x(SH_SE_3PAR_Stor_Sys_St
ats.MAXTotalDataRate)
When 'Average Total Data
Rate (Bytes/Sec)' Then av
g(SH_SE_3PAR_Stor_Sys_St
ats.AVGTotalDataRate)
When 'Minimum Total Data
Rate (Bytes/Sec)' Then mi
n(SH_SE_3PAR_Stor_Sys_St
ats.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 R ate (Req/Sec)' Then max(S D_SE_3PAR_Stor_Sys_Stats. MAXTotalIORate) When 'Average Total I/O R ate (Req/Sec)' Then avg(S D_SE_3PAR_Stor_Sys_Stats. AVGTotalIORate) When 'Minimum Total I/O R ate (Req/Sec)' Then min(S D_SE_3PAR_Stor_Sys_Stats. MINTotalIORate) When 'Maximum Total Data Rate (Bytes/Sec)' Then ma x(SD_SE_3PAR_Stor_Sys_St ats.MAXTotalDataRate) When 'Average Total Data Rate (Bytes/Sec)' Then av g(SD_SE_3PAR_Stor_Sys_St ats.AVGTotalDataRate) When 'Minimum Total Data Rate (Bytes/Sec)' Then mi n(SD_SE_3PAR_Stor_Sys_St ats.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 (By
tes/Sec)' then SR_SE_3PAR
_Stor_Vol_Stats.WriteData
Rate
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
Stor_Vol_Stats.ReadDataRa
te
when 'Total Data Rate (Re
q/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.PctWriteIOs
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.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: 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 R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MAXT
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.AVGT
otalIORate
when 'Maximum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.MAXAvgIOResponseTi
me
when 'Minimum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.MINAvgIOResponseTim
e
when 'Average of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.AVGAvgIOResponseTi
me
when 'Maximum of Average
Read I/O Response Time (m
s)' 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 (
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 R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MINW
riteRate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.AVG
WriteRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MAXR
eadRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.MINRe
adRate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.AVGRe
adRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MAXT
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.AVGT
otalIORate
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.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
```

```
elOs)
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 (
ms)' then MAX(SH_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
teIORespTime)
when 'Minimum of Average
```

```
Write I/O Response Time (
ms)' then MIN(SH_SE_3PAR
_Stor_Vol_Stats.MINAvgWri
teIORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SH_SE_3PAR
_Stor_Vol_Stats.AVGAvgWri
teIORespTime)
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: 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
```

```
hen AVG(SD_SE_3PAR_Stor_
Vol_Stats.AVGAvgIORespons
eTime)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SD_SE_3PAR_S
tor_Vol_Stats.MAXAvgReadI
ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SD_SE_3PAR_S
tor_Vol_Stats.MINAvgReadI
ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SD_SE_3PAR_S
tor_Vol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SD_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
teIORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SD_SE_3PAR
_Stor_Vol_Stats.MINAvgWri
teIORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SD_SE_3PAR
_Stor_Vol_Stats.AVGAvgWri
teIORespTime)
when 'Maximum of Average
% Busy' then MAX(SD_SE_3
PAR_Stor_Vol_Stats.MAXAvg
PercentBusy)
when 'Minimum of Average
% Busy' then MIN(SD_SE_3P
AR_Stor_Vol_Stats.MINAvgP
ercentBusy)
when 'Maximum of Average
Queue Depth' then MAX(SD_
SE_3PAR_Stor_Vol_Stats.MA
XAvgQueueDepth)
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_C
ntrlr_Stats.AvgReadSize
when 'Average Write Size
(Bytes)' then SR_SE_3PAR_

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_Cntrl
r_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 Respons
e Time (ms)' then SH_SE_3
PAR_Cntrlr_Stats.MINIORes
ponseTime
when 'Average I/O Respons
e Time (ms)' then SH_SE_3
PAR_Cntrlr_Stats.AVGIORes
ponseTime
when 'Maximum % Hits' the
n SH_SE_3PAR_Cntrlr_Stats
.MAXPctHitIOs
when 'Minimum % Hits' the
n SH_SE_3PAR_Cntrlr_Stats
.MINPctHitIOs
when 'Maximum Queue Dept
h' then SH_SE_3PAR_Cntrlr
_Stats.MAXQueueDepth
when 'Minimum Queue Dept
h' 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.MAX
ReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Cntrlr_Stats.MINR
eadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Cntrlr_Stats.AVGR
eadDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Cntrlr_Stats.MAXRea
dRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_Cntrlr_Stats.MINRead
Rate
when 'Average Read I/O Ra
te (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.MINPctWriteIOs
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 Dept
h' 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.MAX
ReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Cntrlr_Stats.MINR
eadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_Cntrlr_Stats.AVGR
eadDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MAXRea
dRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Cntrlr_Stats.MINRead
Rate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Cntrlr_Stats.AVGRead
Rate
when 'Maximum Service Tim
e (ms)' then SD_SE_3PAR_C
ntrlr_Stats.MAXServiceTim
e
when 'Minimum Service Tim
e (ms)' then SD_SE_3PAR_C
ntrlr_Stats.MINServiceTim
e
when 'Average Service Tim
e (ms)' then SD_SE_3PAR_C
ntrlr_Stats.AVGServiceTim
e
when 'Maximum Total Data
Rate (Req/Sec)' then SD_S
E_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
alIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.MINTot
alIORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Cntrlr_Stats.AVGTot
alIORate
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: 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_

```
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 Respons
e Time (ms)' then MIN(SH_
SE_3PAR_Cntrlr_Stats.MINI
OResponseTime)
when 'Average I/O Respons
e 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 Dept
h' then MAX(SH_SE_3PAR_C
ntrlr_Stats.MAXQueueDepth
)
when 'Minimum Queue Dept
h' then MIN(SH_SE_3PAR_C
ntrlr_Stats.MINQueueDepth
)
when 'Average Queue Depth
' then AVG(SH_SE_3PAR_Cnt
rlr_Stats.AVGQueueDepth)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_Cntrlr_Stats
.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SH_SE_3PAR_Cntrlr_Stats.M
INReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SH_SE_3PAR_Cntrlr_Stats.A
VGReadDataRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Cntrlr_Stats.MA
XReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_Cntrlr_Stats.MIN
ReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_Cntrlr_Stats.AVG
ReadRate)
when 'Maximum Service Tim
e (ms)' then MAX(SH_SE_3P
AR_Cntrlr_Stats.MAXServic
eTime)
when 'Minimum Service Tim
e (ms)' then MIN(SH_SE_3P
AR_Cntrlr_Stats.MINServic
eTime)
when 'Average Service Tim
e (ms)' then AVG(SH_SE_3P
```

```
AR_Cntrlr_Stats.AVGServic
eTime)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SH_SE_3PAR_Cntrlr_Stats.M
AXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SH_SE_3PAR_Cntrlr_Stats.M
INTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SH_SE_3PAR_Cntrlr_Stats.A
VGTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
H_SE_3PAR_Cntrlr_Stats.MA
XTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
H_SE_3PAR_Cntrlr_Stats.MI
NTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
H_SE_3PAR_Cntrlr_Stats.AV
GTotalIORate)
when 'Maximum % Utilizati
on' then MAX(SH_SE_3PAR_
Cntrlr_Stats.MAXUtilizatio
n)
when 'Minimum % Utilizati
on' then MIN(SH_SE_3PAR_
Cntrlr_Stats.MINUtilizatio
n)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_Cntrlr_Stats
.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SH_SE_3PAR_Cntrlr_Stats
.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(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.MAXPctWriteI
Os)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_Cn
trlr_Stats.MINPctWriteIOs)
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 Respons
e Time (ms)' then MIN(SD_
SE_3PAR_Cntrlr_Stats.MINI
OResponseTime)
when 'Average I/O Respons
e 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
```

```
GTotalIORate)
when 'Maximum % Utilizati
on' then MAX(SD_SE_3PAR_
Cntrlr_Stats.MAXUtilizatio
n)
when 'Minimum % Utilizati
on' then MIN(SD_SE_3PAR_
Cntrlr_Stats.MINUtilizatio
n)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_Cntrlr_Stats
.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SD_SE_3PAR_Cntrlr_Stats
.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_Cntrlr_Stats
.AVGWriteDataRate)
when 'Maximum Write Hit R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Cntrlr_Stats.MA
XWriteHitRate)
when 'Minimum Write Hit R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Cntrlr_Stats.MI
NWriteHitRate)
when 'Average Write Hit R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_Cntrlr_Stats.AV
GWriteHitRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_Cntrlr_Stats.MA
XWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_Cntrlr_Stats.MI
NWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_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: 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_St
ats.AvgQueueDepth
when 'Average Read Size (
Bytes)' then SR_SE_3PAR_D
isk_Stats.AvgReadSize
when 'Average Write Size
(Bytes)' then SR_SE_3PAR_
Disk_Stats.AvgWriteSize
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
Disk_Stats.ReadDataRate
when 'Read I/O Rate (Req/
Sec)' then SR_SE_3PAR_Dis
k_Stats.ReadRate
when 'Total Data Rate (By
tes/Sec)' then SR_SE_3PAR
_Disk_Stats.TotalDataRate
when 'Total I/O Rate (Req
/Sec)' then SR_SE_3PAR_Di
sk_Stats.TotalIORate
when 'Write Data Rate (By
tes/Sec)' then SR_SE_3PAR
_Disk_Stats.WriteDataRate
when 'Write I/O Rate (Req
/Sec)' then SR_SE_3PAR_Di
sk_Stats.WriteRate
when 'Average Read I/O Re
sponse Time (ms)' then SR
_SE_3PAR_Disk_Stats.AvgRe
adIORespTime
when 'Average Write I/O R
esponse Time (ms)' then S
R_SE_3PAR_Disk_Stats.Avg
WriteIORespTime
when 'Average % Busy' the
n SR_SE_3PAR_Disk_Stats.A
vgPercentBusy
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
Description:

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/O
s' then SH_SE_3PAR_Disk_S
tats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SH_SE_3PAR_Disk_S
tats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SH_SE_3PAR_Disk_S
tats.MINPctReadIOs
when 'Maximum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Disk_Stats
.MAXAvgIOResponseTime
when 'Minimum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Disk_Stats
.MINAvgIOResponseTime
when 'Average of Average
```

```
I/O Response Time (ms)' t
hen SH_SE_3PAR_Disk_Stats
.AVGAvgIOResponseTime
when 'Maximum of Average
Queue Depth' then SH_SE_3
PAR_Disk_Stats.MAXAvgQue
ueDepth
when 'Minimum of Average
Queue Depth' then SH_SE_3
PAR_Disk_Stats.MINAvgQue
ueDepth
when 'Average of Average
Queue Depth' then SH_SE_3
PAR_Disk_Stats.AVGAvgQue
ueDepth
when 'Maximum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Disk_Stats.MAXA
vgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SH
_SE_3PAR_Disk_Stats.MINAv
gReadSize
when 'Average of Average
Read Size (Bytes)' then SH
_SE_3PAR_Disk_Stats.AVGA
vgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Disk_Stats.MAX
AvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
H_SE_3PAR_Disk_Stats.MIN
AvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
H_SE_3PAR_Disk_Stats.AVG
AvgWriteSize
when 'Maximum Read Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Disk_Stats.MAXR
eadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Disk_Stats.MINRea
```

```
dDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_Disk_Stats.AVGRe
adDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.MAXRead
Rate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_Disk_Stats.MINReadR
ate
when 'Average Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_Disk_Stats.AVGReadR
ate
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Disk_Stats.MAXTota
lDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Disk_Stats.MINTota
lDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_Disk_Stats.AVGTota
lDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.MAXTotal
IORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.MINTotal
IORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Disk_Stats.AVGTotal
IORate
when 'Maximum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_Disk_Stats.MAXW
riteDataRate
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 (
ms)' then SH_SE_3PAR_Disk
_Stats.MAXAvgWriteIORespT
ime
when 'Minimum of Average
Write I/O Response Time (
ms)' 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/O
s' then SD_SE_3PAR_Disk_S
tats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SD_SE_3PAR_Disk_S
tats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SD_SE_3PAR_Disk_S
tats.MINPctReadIOs
when 'Maximum of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Disk_Stats
.MAXAvgIOResponseTime
when 'Minimum of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Disk_Stats
.MINAvgIOResponseTime
when 'Average of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_Disk_Stats
.AVGAvgIOResponseTime
when 'Maximum of Average
Queue Depth' then SD_SE_3
PAR_Disk_Stats.MAXAvgQue
ueDepth
when 'Minimum of Average
Queue Depth' then SD_SE_3
PAR_Disk_Stats.MINAvgQue
ueDepth
when 'Average of Average
Queue Depth' then SD_SE_3
PAR_Disk_Stats.AVGAvgQue
ueDepth
when 'Maximum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Disk_Stats.MAXA
vgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SD
_SE_3PAR_Disk_Stats.MINAv
gReadSize
when 'Average of Average
Read Size (Bytes)' then SD
_SE_3PAR_Disk_Stats.AVGA
```

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
lDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SD_S
E_3PAR_Disk_Stats.MINTota
lDataRate
when 'Average Total Data

```
Rate (Req/Sec)' then SD_S
E_3PAR_Disk_Stats.AVGTota
lDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.MAXTotal
IORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.MINTotal
IORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.AVGTotal
IORate
when 'Maximum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Disk_Stats.MAXW
riteDataRate
when 'Minimum Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Disk_Stats.MINW
riteDataRate
when 'Average Write Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_Disk_Stats.AVGW
riteDataRate
when 'Maximum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.MAXWrite
Rate
when 'Minimum Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.MINWrite
Rate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Disk_Stats.AVGWrite
Rate
when 'Maximum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_Disk_
Stats.MAXAvgReadIORespTi
me
when 'Minimum of Average
Read I/O Response Time (m
```

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.MAXAv
gQueueDepth)
when 'Minimum of Average
Queue Depth' then MIN(SH_
SE_3PAR_Disk_Stats.MINAvg
QueueDepth)
when 'Average of Average
Queue Depth' then AVG(SH_
SE_3PAR_Disk_Stats.AVGAv
gQueueDepth)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SH_SE_3PAR_Disk_Stats.
MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SH_SE_3PAR_Disk_Stats.
MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SH_SE_3PAR_Disk_Stats.A
VGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SH_SE_3PAR_Disk_Stats.
MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SH_SE_3PAR_Disk_Stats.
MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_Disk_Stats.
AVGAvgWriteSize)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_Disk_Stats.
MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SH_SE_3PAR_Disk_Stats.MI
NReadDataRate)
when 'Average Read Data R
```

```
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 (
ms)' then MAX(SH_SE_3PAR
_Disk_Stats.MAXAvgWriteIO
RespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SH_SE_3PAR
_Disk_Stats.MINAvgWriteIO
RespTime)
when 'Average of Average
Write I/O Response Time (
ms)' 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.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: 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_F
CPort_Stats.AvgReadSize
when 'Average Write Size
(Bytes)' then SR_SE_3PAR_
FCPort_Stats.AvgWriteSize
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
FCPort_Stats.ReadDataRate
when 'Read I/O Rate (Req/
Sec)' then SR_SE_3PAR_FCP
ort_Stats.ReadRate
when 'Total Data Rate (By
tes/Sec)' then SR_SE_3PAR
_FCPort_Stats.TotalDataRa
te
when 'Total I/O Rate (Req
```

/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:

```
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_FCPor
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_
```

SE_3PAR_FCPort_Stats.MINR
eadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_FCPort_Stats.AVG
ReadDataRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.MAXRe
adRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_FCPort_Stats.MINRead
Rate
when 'Average Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_FCPort_Stats.AVGRead
Rate
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.MAXT
otalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.MINTo
talDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_FCPort_Stats.AVGTo
talDataRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.MAXTot
alIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.MINTot
alIORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_FCPort_Stats.AVGTot
alIORate
when 'Maximum Write Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_FCPort_Stats.MA
XWriteDataRate

```
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.AVGD
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/O
s' then SD_SE_3PAR_FCPort
_Stats.MAXPctReadIOs
when 'Minimum % Read I/O
s' then SD_SE_3PAR_FCPort
_Stats.MINPctReadIOs
when 'Maximum % Write I/
Os' then SD_SE_3PAR_FCPor
t_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SD_SE_3PAR_FCPort
_Stats.MINPctWriteIOs
when 'Maximum of Average
Read Size (Bytes)' then SD
_SE_3PAR_FCPort_Stats.MA
XAvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SD
_SE_3PAR_FCPort_Stats.MIN
AvgReadSize
when 'Average of Average
Read Size (Bytes)' then SD
_SE_3PAR_FCPort_Stats.AVG
AvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
D_SE_3PAR_FCPort_Stats.M
AXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
D_SE_3PAR_FCPort_Stats.MI
NAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
D_SE_3PAR_FCPort_Stats.AV
GAvgWriteSize
when 'Maximum Read Data
Rate (Bytes/Sec)' then SD
_SE_3PAR_FCPort_Stats.MA
XReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SD_
SE_3PAR_FCPort_Stats.MINR
eadDataRate
when 'Average Read Data R
ate (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_F
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_Sta
ts.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_FCPort_Sta
ts.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.
MAXDeltaWriteIOs)
when 'Minimum Delta Write
I/Os (Req/Sec)' then MIN(
SH_SE_3PAR_FCPort_Stats.
MINDeltaWriteIOs)
when 'Average Delta Write
I/Os (Req/Sec)' then AVG
(SH_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: 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_F
CPort_Stats.MAXPctReadIOs
)
when 'Minimum % Read I/O
s' then MIN(SD_SE_3PAR_FC
Port_Stats.MINPctReadIOs)
when 'Maximum % Write I/
Os' then MAX(SD_SE_3PAR_
FCPort_Stats.MAXPctWriteI
Os)
when 'Minimum % Write I/O
s' then MIN(SD_SE_3PAR_FC
Port_Stats.MINPctWriteIOs
)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SD_SE_3PAR_FCPort_Sta
ts.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SD_SE_3PAR_FCPort_Stat
s.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SD_SE_3PAR_FCPort_Stat
s.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
AX(SD_SE_3PAR_FCPort_Sta
ts.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SD_SE_3PAR_FCPort_Sta
ts.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SD_SE_3PAR_FCPort_Sta
ts.AVGAvgWriteSize)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_FCPort_Stats
.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_FCPort_Stats.
MINReadDataRate)
```

```
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_FCPort_Stats.A
VGReadDataRate)
when 'Maximum Read I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_FCPort_Stats.M
AXReadRate)
when 'Minimum Read I/O Ra
te (Req/Sec)' then MIN(SD
_SE_3PAR_FCPort_Stats.MIN
ReadRate)
when 'Average Read I/O Ra
te (Req/Sec)' then AVG(SD
_SE_3PAR_FCPort_Stats.AVG
ReadRate)
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.A
VGTotalDataRate)
when 'Maximum Total I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_FCPort_Stats.M
AXTotalIORate)
when 'Minimum Total I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_FCPort_Stats.MI
NTotalIORate)
when 'Average Total I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_FCPort_Stats.AV
GTotalIORate)
when 'Maximum Write Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_FCPort_Stats
.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
```

```
N(SD_SE_3PAR_FCPort_Stat
s.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_FCPort_Stat
s.AVGWriteDataRate)
when 'Maximum Write I/O R
ate (Req/Sec)' then MAX(S
D_SE_3PAR_FCPort_Stats.M
AXWriteRate)
when 'Minimum Write I/O R
ate (Req/Sec)' then MIN(S
D_SE_3PAR_FCPort_Stats.MI
NWriteRate)
when 'Average Write I/O R
ate (Req/Sec)' then AVG(S
D_SE_3PAR_FCPort_Stats.AV
GWriteRate)
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.A
VGDeltaReadIOs)
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 (By
tes/Sec)' then SR_SE_3PAR
_SSAGVol_Stats.WriteDataR
ate
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
SSAGVol_Stats.ReadDataRat
e
when 'Total Data Rate (Re
q/Sec)' then SR_SE_3PAR_S

SAGVol_Stats.TotalDataRat
e
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.AvgWriteSiz
e
when '% Read I/Os' then SR_SE_3PAR_SSAGVol_Stats.PctReadIOs
when '% Write I/Os' then SR_SE_3PAR_SSAGVol_Stats.PctWriteIOs
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 Respons
e Time (ms)' then SR_SE_
3PAR_SSAGVol_Stats.AvgIO
ResponseTime
when 'Average Read I/O Re
sponse Time (ms)' then S
R_SE_3PAR_SSAGVol_Stats.
AvgReadIORespTime
when 'Average Write I/O R
esponse Time (ms)' then S
R_SE_3PAR_SSAGVol_Stats.
AvgWriteIORespTime
when 'Average % Busy' the
n SR_SE_3PAR_SSAGVol_Sta
ts.AvgPercentBusy
when 'Average Queue Depth
' then SR_SE_3PAR_SSAGVol
_Stats.AvgQueueDepth
when 'Delta Read Hit I/Os
(Req/Sec)' then SR_SE_3PA
R_SSAGVol_Stats.DeltaRead
HitIOs

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.A
VGWriteDataRate
when 'Maximum Read Data
Rate (Bytes/Sec)' then SH
_SE_3PAR_SSAGVol_Stats.M
AXReadDataRate
when 'Minimum Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_SSAGVol_Stats.MI
NReadDataRate
when 'Average Read Data R
ate (Bytes/Sec)' then SH_
SE_3PAR_SSAGVol_Stats.AV
GReadDataRate
when 'Maximum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_SSAGVol_Stats.MAX
TotalDataRate
when 'Minimum Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_SSAGVol_Stats.MIN
TotalDataRate
when 'Average Total Data
Rate (Req/Sec)' then SH_S
E_3PAR_SSAGVol_Stats.AVG
TotalDataRate
when 'Maximum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_SSAGVol_Stats.MAXRe
adHitRate
when 'Minimum Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_SSAGVol_Stats.MINRe
adHitRate
when 'Average Read Hit Ra
te (Req/Sec)' then SH_SE_
3PAR_SSAGVol_Stats.AVGRe
adHitRate
when 'Maximum of Average
Read Size (Bytes)' then SH
_SE_3PAR_SSAGVol_Stats.M
AXAvgReadSize
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.AVGW
riteRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.MAXR
eadRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_SSAGVol_Stats.MINRe
adRate
when 'Average Read I/O Ra
te (Req/Sec)' then SH_SE_
3PAR_SSAGVol_Stats.AVGRe
adRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.MAXT
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_SSAGVol_Stats.AVGT
otalIORate
when 'Maximum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_SSAGVol_S
tats.MAXAvgIOResponseTim
e
when 'Minimum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_SSAGVol_S
tats.MINAvgIOResponseTime
when 'Average of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_SSAGVol_S
tats.AVGAvgIOResponseTim
e
when 'Maximum of Average
Read I/O Response Time (m
s)' then SH_SE_3PAR_SSAGV
ol_Stats.MAXAvgReadIOResp
Time
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 (
ms)' then SH_SE_3PAR_SSA
GVol_Stats.MAXAvgWriteIOR
espTime
when 'Minimum of Average
Write I/O Response Time (
ms)' then SH_SE_3PAR_SSA
GVol_Stats.MINAvgWriteIOR
espTime
when 'Average of Average
Write I/O Response Time (
ms)' 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 Ra
te (Req/Sec)' then SD_SE_
3PAR_SSAGVol_Stats.MAXRe
adHitRate
when 'Minimum Read Hit Ra
te (Req/Sec)' then SD_SE_
3PAR_SSAGVol_Stats.MINRe
adHitRate
when 'Average Read Hit Ra
te (Req/Sec)' then SD_SE_
3PAR_SSAGVol_Stats.AVGRe
adHitRate
when 'Maximum of Average
Read Size (Bytes)' then SD
_SE_3PAR_SSAGVol_Stats.M
AXAvgReadSize
when 'Minimum of Average
Read Size (Bytes)' then SD
_SE_3PAR_SSAGVol_Stats.M
INAvgReadSize
when 'Average of Average
Read Size (Bytes)' then SD
_SE_3PAR_SSAGVol_Stats.A
VGAvgReadSize
when 'Maximum of Average
Write Size (Bytes)' then S
D_SE_3PAR_SSAGVol_Stats.
MAXAvgWriteSize
when 'Minimum of Average
Write Size (Bytes)' then S
D_SE_3PAR_SSAGVol_Stats.
MINAvgWriteSize
when 'Average of Average
Write Size (Bytes)' then S
D_SE_3PAR_SSAGVol_Stats.
AVGAvgWriteSize
when 'Maximum % Write I/
Os' then SD_SE_3PAR_SSAG
Vol_Stats.MAXPctWriteIOs
when 'Minimum % Write I/O
s' then SD_SE_3PAR_SSAGV
ol_Stats.MINPctWriteIOs
when 'Maximum % Read I/O
s' then SD_SE_3PAR_SSAGV
ol_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
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_SSAGVol_Stats.AVGT
otalIORate
when 'Maximum of Average
I/O Response Time (ms)' t
```

```
hen SD_SE_3PAR_SSAGVol_S
tats.MAXAvgIOResponseTim
e
when 'Minimum of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_SSAGVol_S
tats.MINAvgIOResponseTime
when 'Average of Average
I/O Response Time (ms)' t
hen SD_SE_3PAR_SSAGVol_S
tats.AVGAvgIOResponseTim
e
when 'Maximum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_SSAGV
ol_Stats.MAXAvgReadIOResp
Time
when 'Minimum of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_SSAGV
ol_Stats.MINAvgReadIOResp
Time
when 'Average of Average
Read I/O Response Time (m
s)' then SD_SE_3PAR_SSAGV
ol_Stats.AVGAvgReadIOResp
Time
when 'Maximum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_SSA
GVol_Stats.MAXAvgWriteIOR
espTime
when 'Minimum of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_SSA
GVol_Stats.MINAvgWriteIOR
espTime
when 'Average of Average
Write I/O Response Time (
ms)' then SD_SE_3PAR_SSA
GVol_Stats.AVGAvgWriteIOR
espTime
when 'Maximum of Average
% Busy' then SD_SE_3PAR_
SSAGVol_Stats.MAXAvgPerce
ntBusy
```

```
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.AVGAvg
QueueDepth
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_Sta
ts.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SH_SE_3PAR_SSAGVol_Sta
ts.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SH_SE_3PAR_SSAGVol_Sta
ts.AVGWriteDataRate)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SH_SE_3PAR_SSAGVol_Sta
ts.MAXReadDataRate)
```

```
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SH_SE_3PAR_SSAGVol_Stats
.MINReadDataRate)
when 'Average Read Data R
ate (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 Ra
te (Req/Sec)' then MAX(SH
_SE_3PAR_SSAGVol_Stats.M
AXReadHitRate)
when 'Minimum Read Hit Ra
te (Req/Sec)' then MIN(SH
_SE_3PAR_SSAGVol_Stats.M
INReadHitRate)
when 'Average Read Hit Ra
te (Req/Sec)' then AVG(SH
_SE_3PAR_SSAGVol_Stats.A
VGReadHitRate)
when 'Maximum of Average
Read Size (Bytes)' then M
AX(SH_SE_3PAR_SSAGVol_St
ats.MAXAvgReadSize)
when 'Minimum of Average
Read Size (Bytes)' then MI
N(SH_SE_3PAR_SSAGVol_Sta
ts.MINAvgReadSize)
when 'Average of Average
Read Size (Bytes)' then AV
G(SH_SE_3PAR_SSAGVol_Sta
ts.AVGAvgReadSize)
when 'Maximum of Average
Write Size (Bytes)' then M
```

```
AX(SH_SE_3PAR_SSAGVol_St
ats.MAXAvgWriteSize)
when 'Minimum of Average
Write Size (Bytes)' then M
IN(SH_SE_3PAR_SSAGVol_St
ats.MINAvgWriteSize)
when 'Average of Average
Write Size (Bytes)' then A
VG(SH_SE_3PAR_SSAGVol_St
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_St
ats.MINDeltaReadHitIOs)
when 'Average Delta Read
Hit I/Os (Req/Sec)' then A
VG(SH_SE_3PAR_SSAGVol_St
ats.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_Stats
.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 S
torage 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_Sta
ts.MAXWriteDataRate)
when 'Minimum Write Data
Rate (Bytes/Sec)' then MI
N(SD_SE_3PAR_SSAGVol_Sta
ts.MINWriteDataRate)
when 'Average Write Data
Rate (Bytes/Sec)' then AV
G(SD_SE_3PAR_SSAGVol_Sta
ts.AVGWriteDataRate)
when 'Maximum Read Data
Rate (Bytes/Sec)' then MA
X(SD_SE_3PAR_SSAGVol_Sta
ts.MAXReadDataRate)
when 'Minimum Read Data R
ate (Bytes/Sec)' then MIN(
SD_SE_3PAR_SSAGVol_Stats
.MINReadDataRate)
when 'Average Read Data R
ate (Bytes/Sec)' then AVG(
SD_SE_3PAR_SSAGVol_Stats
.AVGReadDataRate)
when 'Maximum Total Data
Rate (Req/Sec)' then MAX(
SD_SE_3PAR_SSAGVol_Stats
.MAXTotalDataRate)
when 'Minimum Total Data
Rate (Req/Sec)' then MIN(
SD_SE_3PAR_SSAGVol_Stats
.MINTotalDataRate)
when 'Average Total Data
Rate (Req/Sec)' then AVG(
SD_SE_3PAR_SSAGVol_Stats
.AVGTotalDataRate)
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 (By
tes/Sec)' then SR_SE_3PAR
_SPAGVol_Stats.WriteDataR
ate
when 'Read Data Rate (Byt
es/Sec)' then SR_SE_3PAR_
SPAGVol_Stats.ReadDataRat
e

```
when 'Total Data Rate (Re
q/Sec)' then SR_SE_3PAR_S
PAGVol_Stats.TotalDataRat
e
when 'Read Hit Rate (Req/
Sec)' then SR_SE_3PAR_SPA
GVol_Stats.ReadHitRate
when 'Average Read Size (
Bytes)' then SR_SE_3PAR_S
PAGVol_Stats.AvgReadSize
when 'Average Write Size
(Bytes)' then SR_SE_3PAR_
SPAGVol_Stats.AvgWriteSiz
e
when '% Read I/Os' then SR_SE_3PAR_SPAGVol_Stats.PctReadIOs
when '% Write I/Os' then SR_SE_3PAR_SPAGVol_Stats.PctWriteIOs
when '% Hit Rate' then SR_SE_3PAR_SPAGVol_Stats.PctHitRate
when 'Write I/O Rate (Req
/Sec)' then SR_SE_3PAR_SP
AGVol_Stats.WriteRate
when 'Read I/O Rate (Req/
Sec)' then SR_SE_3PAR_SPA
GVol_Stats.ReadRate
when 'Total I/O Rate (Req
/Sec)' then SR_SE_3PAR_SP
AGVol_Stats.TotalIORate
when 'Average I/O Respons
e Time (ms)' then  SR_SE_
3PAR_SPAGVol_Stats.AvgIO
ResponseTime
when 'Average Read I/O Re
sponse Time (ms)' then  S
R_SE_3PAR_SPAGVol_Stats.
AvgReadIORespTime
when 'Average Write I/O R
esponse Time (ms)' then S
R_SE_3PAR_SPAGVol_Stats.
AvgWriteIORespTime
when 'Average % Busy' the
n SR_SE_3PAR_SPAGVol_Sta
ts.AvgPercentBusy
when 'Average Queue Depth
' then SR_SE_3PAR_SPAGVol
_Stats.AvgQueueDepth
when 'Delta Read Hit I/Os
(Req/Sec)' then SR_SE_3PA
```

R_SPAGVol_Stats.DeltaRead
HitIOs
when 'Delta Write I/Os (R
eq/Sec)' then SR_SE_3PAR_
SPAGVol_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: 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 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 R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MAXT
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SH_SE
_3PAR_Stor_Vol_Stats.AVGT
otalIORate
when 'Maximum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.MAXAvgIOResponseTi
me
when 'Minimum of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.MINAvgIOResponseTim
e
when 'Average of Average
I/O Response Time (ms)' t
hen SH_SE_3PAR_Stor_Vol_
Stats.AVGAvgIOResponseTi
me
when 'Maximum of Average
Read I/O Response Time (m
s)' 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 (
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: 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_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 R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MINW
riteRate
when 'Average Write I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.AVG
WriteRate
when 'Maximum Read I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MAXR
eadRate
when 'Minimum Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.MINRe
adRate
when 'Average Read I/O Ra
te (Req/Sec)' then SD_SE_
3PAR_Stor_Vol_Stats.AVGRe
adRate
when 'Maximum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MAXT
otalIORate
when 'Minimum Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.MINT
otalIORate
when 'Average Total I/O R
ate (Req/Sec)' then SD_SE
_3PAR_Stor_Vol_Stats.AVGT
```

```
otalIORate
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.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: 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 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 (
ms)' then MAX(SH_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
teIORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SH_SE_3PAR
_Stor_Vol_Stats.MINAvgWri
teIORespTime)
when 'Average of Average
Write I/O Response Time (
ms)' then AVG(SH_SE_3PAR
_Stor_Vol_Stats.AVGAvgWri
teIORespTime)
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)
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
hen AVG(SD_SE_3PAR_Stor_
Vol_Stats.AVGAvgIORespons
eTime)
when 'Maximum of Average
Read I/O Response Time (m
s)' then MAX(SD_SE_3PAR_S
tor_Vol_Stats.MAXAvgReadI
ORespTime)
when 'Minimum of Average
Read I/O Response Time (m
s)' then MIN(SD_SE_3PAR_S
tor_Vol_Stats.MINAvgReadI
ORespTime)
when 'Average of Average
Read I/O Response Time (m
s)' then AVG(SD_SE_3PAR_S
tor_Vol_Stats.AVGAvgReadI
ORespTime)
when 'Maximum of Average
Write I/O Response Time (
ms)' then MAX(SD_SE_3PAR
_Stor_Vol_Stats.MAXAvgWri
teIORespTime)
when 'Minimum of Average
Write I/O Response Time (
ms)' then MIN(SD_SE_3PAR
_Stor_Vol_Stats.MINAvgWri
teIORespTime)
when 'Average of Average
```

```
Write I/O Response Time (
ms)' then AVG(SD_SE_3PAR
_Stor_Vol_Stats.AVGAvgWri
teIORespTime)
when 'Maximum of Average
% Busy' then MAX(SD_SE_3
PAR_Stor_Vol_Stats.MAXAvg
PercentBusy)
when 'Minimum of Average
% Busy' then MIN(SD_SE_3P
AR_Stor_Vol_Stats.MINAvgP
ercentBusy)
when 'Maximum of Average
Queue Depth' then MAX(SD_
SE_3PAR_Stor_Vol_Stats.MA
XAvgQueueDepth)
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: 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(DATET IME.TIME_FULL_DATE as ch ar(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(DATET IME.TIME_FULL_DATE as ch ar(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=@Selec
t(Supplemental\Storage System Key) Gro
up 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 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: Raw 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(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=@Sele
ct(Supplemental\Storage Volume Key) Gr
oup 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 Statisti cs for the latest collection time ONLY.
Where Equivalent:@Select(DATETIME(HP 3 PAR Storage Volume Statistics)\Full Dat e) 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: Daily 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: HourlyOLAP-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(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
l\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
l\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
l\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 (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
l\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 (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
l\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 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(SR_SE_3PAR
_SSAGVol_Stats.ta_period) from SR_SE_3
PAR_SSAGVol_Stats, K_SE_StorageSystem
K WHERE SR_SE_3PAR_SSAGVol_Stats.dsi_
key_id_ = K.dsi_key_id and K.dsi_key_i
d=@Select(Supplemental\Storage System
Key) Group By K.dsi_key_id)

Class: Hourly HP 3PAR AVG St
orage System Volume
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(SD_SE_3PAR _SSAGVol_Stats.ta_period) from SD_SE_3 PAR_SSAGVol_Stats, K_SE_StorageSystem K WHERE SD_SE_3PAR_SSAGVol_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: Daily HP 3PAR AVG Storage System Volume 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_StorageSystem K WHERE SH_SE_3PAR_SSAGVol_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: HourlyOLAP-HP 3PAR A VG Storage System Vol ume 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(SD_SE_3PAR
_SSAGVol_Stats.ta_period) from SD_SE_3
PAR_SSAGVol_Stats, K_SE_StorageSystem
K WHERE SD_SE_3PAR_SSAGVol_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 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_StorageSystem
K WHERE SH_SE_3PAR_SSAGVol_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 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_Pool K W
HERE SR_SE_3PAR_SPAGVol_Stats.dsi_key
_id_ = K.dsi_key_id and K.dsi_key_id=@
Select(Supplemental\Storage Pool Key) G
roup 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 Statis
tics for the latest collection time ONLY
.
Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage Pool Volume Statistics)
\Full Date) in (Select max(SD_SE_3PAR_S
PAGVol_Stats.ta_period) from SD_SE_3PA
R_SPAGVol_Stats, K_SE_Storage_Pool K W
HERE SD_SE_3PAR_SPAGVol_Stats.dsi_key
_id_ = K.dsi_key_id and K.dsi_key_id=@
Select(Supplemental\Storage Pool Key) G
roup 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 Statis
tics for the latest collection time ONLY
.
Where Equivalent:@Select(DATETIME(HP 3
PAR AVG Storage Pool Volume Statistics)
\Full Date) in (Select max(SH_SE_3PAR_S
PAGVol_Stats.ta_period) from SH_SE_3PA
R_SPAGVol_Stats, K_SE_Storage_Pool K W
HERE SH_SE_3PAR_SPAGVol_Stats.dsi_key
_id_ = K.dsi_key_id and K.dsi_key_id=@
Select(Supplemental\Storage Pool Key) G
roup By K.dsi_key_id)

Class:	HourlyOLAP-HP 3PAR A VG Storage Pool Volum

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_Pool K WHERE SD_SE_3PAR_SPAGVol_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Pool 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_Pool K WHERE SH_SE_3PAR_SPAGVol_Stats.dsi_key_id_ = K.dsi_key_id and K.dsi_key_id=@Select(Supplemental\Storage Pool 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(getSHRDat
e())+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_R
ANGE = @Prompt('Select Date Range','A',
{'Current Month','Last Month','Last 3 Mo
nths','Use Custom Range'},mono,constrai
ned,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 S
torage 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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If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Content Pack for HP 3PAR Performance Statistics Universe Reference, June 2015 (Storage Operations Manager 10.01)

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.