



OMi Management Pack for Informix Database

Software Version: 1.00

Operations Manager i for Linux and Windows® operating systems

Reference Guide

Document Release Date: April 2017

Software Release Date: June 2016



Hewlett Packard
Enterprise

Legal Notices

Warranty

The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

© 2016 - 2017 Hewlett Packard Enterprise Development LP

Trademark Notices

Adobe® is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

Documentation Updates

To check for recent updates or to verify that you are using the most recent edition of a document, go to: <https://softwaresupport.hpe.com/>.

This site requires that you register for an HPE Passport and to sign in. To register for an HPE Passport ID, click **Register** on the HPE Software Support site or click **Create an Account** on the HPE Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HPE sales representative for details.

Support

Visit the HPE Software Support site at: <https://softwaresupport.hpe.com/>.

Most of the support areas require that you register as an HPE Passport user and to sign in. Many also require a support contract. To register for an HPE Passport ID, click **Register** on the HPE Support site or click **Create an Account** on the HPE Passport login page.

To find more information about access levels, go to: <https://softwaresupport.hpe.com/web/softwaresupport/access-levels>.

HPE Software Solutions Now accesses the Solution and Integration Portal website. This site enables you to explore HPE product solutions to meet your business needs, includes a full list of integrations between HPE products, as well as a listing of ITIL processes. The URL for this website is <https://softwaresupport.hpe.com/km/KM01702731>.

Contents

Chapter 1: Introduction	5
OMi MP for Informix Database Metrics	5
SesLongTransMax	6
RollbackRate	7
SeqScansRate	8
InstanceStatus	9
TableCantExtend	11
DbospacePageFreePct	12
ForegroundWrites	13
CheckpointDuration	14
ChunkWrites	15
TableExtentsMax	16
TotalRollbackPct	17
DBSizeAllocFree	18
LongTransBySession	19
LockWaitsReqPct	20
SysmasterAccessible	21
ShmVirtualSegments	22
TotalReadCacheHitPct	23
CurSortMemoryPct	24
Deadlocks	25
TotalSortMemoryPct	26
SortMaxSpace	27
DbSpacePageFreeMinPct	28
CheckpointWaitsRate	29
LogicalLogFreePct	30
TotalWriteCacheHitPct	31
TableSizeAlloc	31
NumSessions	32
ShmUsedPct	33
LockAvailPct	34

LogicalLogNonBkUpPct	35
TransThroughput	36
CurWriteCacheHitPct	36
InstanceSizeAllocFree	37
NumOninitProcRun	37
ShmTotal	38
NumPhysReadWrite	39
SortTotalRate	40
SessionBlockedLock	41
UserLogonCnt	42
LRUWrites	43
ShmDataBufModifiedPct	44
ProcessStatus	45
CheckpointRate	46
SortDiskRate	47
PhyLogPageFreePct	48
BbobSpacePageFreePct	49
ChunkDown	50
ForegroundWritesRate	51
LogicalLogPageFree	52
CommitRate	53
CurRollbackPct	54
CurReadCacheHitPct	55
BlobSpacePageFreeMinPct	56
Send documentation feedback	57

Chapter 1: Introduction

The HPE OMi Management Pack for Informix Database (OMi MP for Informix Database) works with HPE Operations Manager i (OMi) that enables you to monitor Informix database in your environments and its underlying infrastructure. It includes Indicators - Health Indicators (HIs) and Event Type Indicators (ETIs) to report the health status. It provides out-of-the-box Management Template for monitoring Informix Database environment and also includes capabilities to monitor the health and performance of the systems. These Management Template consists of a wide range of Aspects which enables the monitoring of Informix Database components.

These Management Templates can be deployed by administrators for monitoring Informix databases in an environment. After deploying the management templates, you can:

- Increase availability and performance of the database servers
- Improve capacity management and planning for your database servers

OMi MP for Informix Database Metrics

This chapter provides information about the Informix Database collections, metrics, and data store tables which can be used to configure the data-collection procedure.

SesLongTransMax

Description: This metric monitors the maximum long transactions for a session.

Collection interval: VERYHIGH

Policy: InformixDB_1061

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 0.5

Message Text: One or more sessions with number of long transactions too high (>=<THRESHOLD>) for <OPTION(dbserve)>. Most serious is session/user <OPTION(sid)>/<OPTION(username)> with (<VALUE>) long transactions. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more sessions with number of long transactions higher than set threshold.

Too Many long transactions.

Potential Impact: Performance.

Suggested Action(s) : Keep transactions concise; prepare transactions in advance.

The automatic action for this metric generates a report showing long transactions.

RollbackRate

Description: This metric monitors the Rollbacks per minute.

Collection interval: VERYHIGH

Policy: InformixDB_1058

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

SeqScansRate

Description: This metric monitors the Sequential scans per minute.

Collection interval: VERYHIGH

Policy: InformixDB_1047

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 100.0

Message Text: # of sequential scans per minute (<VALUE>) too high (>=<THRESHOLD>) for <OPTION(dbserve)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : No usage of Index for the table or improper usage of index.

Potential Impact: Performance.

Suggested Action(s) : You may need to think of adding indexes to the table or using program directives to force internal query optimizer choose indexes for accessing data in this table rather than sequential scans. If you already have indexes added, review them.

The automatic action for this metric generates a report showing number of sequential scans.

InstanceStatus

Description: This metric checks if the Instance is in the online or read-only mode.

Collection interval: VERYHIGH

Policy: InformixDB_1002

Aspect: Informix Database Availability

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: CRITICAL / 7.5, CRITICAL / 6.5, CRITICAL / 5.5, CRITICAL / 4.5, MAJOR / 3.5, MAJOR / 2.5, MAJOR / 1.5

Message Text: Rule1: The status of <OPTION(dbserve)> instance is in an unknown mode.
[Policy: <NAME>]

Message Text: Rule2: The status of <OPTION(dbserve)> instance is in 'Off-Line' mode. [Policy: <NAME>]

Message Text: Rule3: The status of <OPTION(dbserve)> instance is in 'Shutting Down' mode.
[Policy: <NAME>]

Message Text: Rule4: The status of <OPTION(dbserve)> instance is in 'Blocked' mode. [Policy: <NAME>]

Message Text: Rule5: The status of <OPTION(dbserve)> instance is in 'Initialization' mode.
[Policy: <NAME>]

Message Text: Rule6: The status of <OPTION(dbserve)> instance is in 'Fast Recovery' mode.
[Policy: <NAME>]

Message Text: Rule7: The status of <OPTION(dbserve)> instance is in 'Quiescent' mode.
[Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The Informix server is not on-line or in read-only mode.

Instance was shut down or put in a restricted mode.

Potential Impact: Instance not accessible to users and applications.

Suggested Action(s) : Notify the DBA. Review the automatic action output to see the status message at the time of the error.

- If the database is in 'Blocked' mode, check the annotations for the reason it is blocked.
- If the database is in 'Initialization' or 'Fast Recovery' modes, monitor the instance to make sure it comes on-line quickly.
- If the database is in an unknown mode, Informix Database MP could not determine the mode from the 'onstat -l' output.

For other modes, use onmode or oninit to bring the instance on-line.

The automatic actions for this metric generate a report showing the instance status (onstat banner).

TableCantExtend

Description: This metric checks if there is enough space for a table to get a full next extent.

Collection interval: LOW

Policy: InformixDB_1024

Aspect: Informix Database Space Utilization

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: WARNING / 0.5

Message Text: <VALUE> tables cannot get a full next extent. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more tables cannot allocate a full next extent

Not enough space or next extent size is too high.

Potential Impact: Out of space.

Suggested Action(s) : Allocate more space.

The automatic action for this metric generates a report showing the list of tables that cannot get a full next extent.

Note: This report can be slow on systems with large number of tables.

DbospacePageFreePct

Description: This metric monitors the percentage of dbspaces pages free (Drill-Down).

Collection interval: VERYHIGH

Policy: InformixDB_1217

Aspect: NA

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 5.0, WARNING / 25.0

Message Text: Rule1: Percentage of free pages (<VALUE>%) is too low (<=<THRESHOLD>%) for dbspace <OPTION(dbspace)> for <OPTION(dbserv)>. [Policy: <NAME>]

Message Text: Rule2: Percentage of free pages (<VALUE>%) is low (<=<THRESHOLD>%) for dbspace <OPTION(dbspace)>for <OPTION(dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : A specific dbspaces has less than the percent pages free specified in the set threshold.

Not enough space allocated for the dbspace.

Potential Impact: Full dbspace.

Suggested Action(s) : Allocate another chunk for the dbspace.

The automatic action for this metric generates a report showing information about this and other dbspaces.

ForegroundWrites

Description: This metric monitors the Foreground writes this interval.

Collection interval: MEDIUM

Policy: InformixDB_1042

Aspect: Informix Database Disk Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

CheckpointDuration

Description: This metric monitors the Checkpoint duration.

Collection interval: HIGH

Policy: InformixDB_1070

Aspect: Informix Database Checkpoint

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 30.0

Message Text: Checkpoint duration (<VALUE> secs) too high (>=<THRESHOLD> secs) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The checkpoint duration for the Informix server exceeds the set threshold.

Buffers, checkpoint interval, cleaners, LRU min/max dirty, and/or physical log not set up properly.

Potential Impact: Performance.

Suggested Action(s) : Follow the guidelines in the manual (for those parameters in particular) to ensure efficient checkpoints.

The automatic action for this metric generates a report showing checkpoint completions.

A set of graphs (default) will be launched from this event. See the 'Checkpoint Statistics' graph to understand about performance over a period of time.

ChunkWrites

Description: This metric monitors the Chunk writes this interval.

Collection interval: MEDIUM

Policy: InformixDB_1044

Aspect: Informix Database Disk Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

TableExtentsMax

Description: This metric monitors the number of extents too high for one or more tables.

Collection interval: LOW

Policy: InformixDB_1022

Aspect: Informix Database Space Utilization

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 200, WARNING / 120

Message Text: Rule1: One or more tables have too many extents (\geq <THRESHOLD>) for <OPTION(dbserv)>. Most serious is <OPTION(owner)>:<OPTION(tabname)> with <VALUE> extents. [Policy: <NAME>]

Message Text: Rule2: One or more tables have many extents (\geq <THRESHOLD>) for <OPTION(dbserv)>. Most serious is <OPTION(owner)>:<OPTION(tabname)> with <VALUE> extents. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : There are one or more tables with number of extents higher than the set threshold.

Next Extent size for table is not high enough.

Potential Impact: Too many extents for table; fragmented table.

Suggested Action(s) : Alter Table to increase Next Extent size for table.

The automatic action for this metric generates a report showing table extents.

WARNING: This report is very slow and will take a lot of system resources.

TotalRollbackPct

Description: This metric monitors the percentage of transactions rolled-back since profile reset.

Collection interval: MEDIUM

Policy: InformixDB_1059

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 30.0

Message Text: % of transactions rolled back since profile reset (<VALUE>%) too high (>=<THRESHOLD>%) for <OPTION(dbserve)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percent of transactions rolled-back since profile reset has exceeded the set threshold.

1. Application Logic.
2. One of the servers may be down during a distributed query.

Potential Impact: Database performance.

Suggested Action(s) : Check application. Check availability of all servers that are transaction participants.

The automatic action for this metric generates a report showing rollback percent by session.

A set of graphs (default) will be launched from this event. See the 'Transactions' graph to understand about performance over a period of time.

DBSizeAllocFree

Description: This metric monitors the database size (in MB) allocated and free.

Collection interval: LOW

Policy: InformixDB_1218

Aspect: Informix Database Space Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_REPORT / DBSPI_INF_REPORT

LongTransBySession

Description: This metric monitors the Long transactions based on the session (Drill-Down).

Collection interval: HIGH

Policy: InformixDB_1261

Aspect: NA

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: WARNING / 0.5

Message Text: # of long transactions (<VALUE>) too high (>=<THRESHOLD>) for session/user <OPTION(sid)>/<OPTION(username)> for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : A sessions has number of long transactions higher than set threshold.

Too many long transactions.

Potential Impact: Performance.

Suggested Action(s) : Keep transactions concise; prepare transactions in advance.

The automatic action for this metric generates a report showing long transactions.

LockWaitsReqPct

Description: This metric monitors the percentage of lock waits to locks requested.

Collection interval: VERYHIGH

Policy: InformixDB_1074

Aspect: Informix Database Locks

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 15.0

Message Text: Total lock waits to locks requested percentage (<VALUE>%) too high (>=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Total lock waits to locks requested percentage is higher than the set threshold.

Not enough locks allocated for the instance.

Potential Impact: Performance (sessions might have to wait on locks).

Suggested Action(s) : Increase the number of locks allocated for the instance.

The automatic action for this metric generates a report showing a profile of activity.

A set of graphs (default) will be launched from this event. See the 'Locking' graph to understand about performance over a period of time.

SysmasterAccessible

Description: This metric monitors the Sysmaster database is not accessible.

Collection interval: VERYHIGH

Policy: InformixDB_1003

Aspect: Informix Database Availability

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: CRITICAL / 0.5

Message Text: Sysmaster database is not accessible for <OPTION(dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Sysmaster database is not accessible.

Corrupt sysmaster database; instance was shut down; system unresponsive; network failure; hardware failure.

Potential Impact: System down.

Suggested Action(s) : Check sysmaster database; switch to online mode; check network and hardware; initialize the instance.

The automatic actions for this metric attempt to connect to the instance and run a query. When the instance is accessible, the report will list the configuration parameter settings. When the instance is not accessible, error messages will appear in the report.

ShmVirtualSegments

Description: This metric monitors the number of virtual shared memory segments.

Collection interval: VERYHIGH

Policy: InformixDB_1032

Aspect: Informix Database Shared Memory

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 10, WARNING / 4.0

Message Text: Rule1: # of virtual shared memory segments (<VALUE>) too high (>=<THRESHOLD>) for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: # of virtual shared memory segments (<VALUE>) high (>=<THRESHOLD>) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of virtual shared memory segments exceeds the set threshold.

System memory requirements

Potential Impact: May affect other applications' memory availability.

Suggested Action(s) : Limit memory utilization using the MEMMAX configuration parameter.

Warning. If the parameter is set to low, the system may become unstable.

The automatic action for this metric generates a report showing shared-memory-segment statistics.

A set of graphs (default) will be launched from this event. See the 'Shared Memory Usage' graph to understand about performance over a period of time.

TotalReadCacheHitPct

Description: This metric monitors the percentage of cached reads to total reads.

Collection interval: VERYHIGH

Policy: InformixDB_1037

Aspect: Informix Database Cache Performance

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 80.0

Message Text: Total cached reads to total reads percentage (<VALUE>%) too low (<=<THRESHOLD>%) for <OPTION(dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Total percentage of cached reads to total reads is lower than the set threshold.

Not enough buffers or physical log space allocated.

Potential Impact: Performance.

Suggested Action(s) : Allocate more physical log space and more buffers to the instance.

The automatic action for this metric generates a report showing a profile of activity.

A set of graphs (default) will be launched from this event. See the 'Shared Memory Usage' graph to understand about performance over a period of time.

CurSortMemoryPct

Description: This metric monitors the percentage of sorts in memory this interval.

Collection interval: MEDIUM

Policy: InformixDB_1053

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 85, WARNING / 95

Message Text: Rule1: % sorts in memory this interval (<VALUE>%) too low for <OPTION (dbserv)> (<=<THRESHOLD>%). [Policy: <NAME>]

Message Text: Rule2: % sorts in memory this interval (<VALUE>%) low for <OPTION(dbserv) > (<=<THRESHOLD>%). [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percent of sorts in memory this interval exceeds the set threshold.

Large sorts or insufficient shared memory allocation.

Potential Impact: Database performance.

Suggested Action(s) : Analyze queries that require sorts. If appropriate, create additional indexes to reduce the need for large sorts. Review the instance configuration parameters and environment variables to tune memory allocation (SHMTOTAL, DS_MAX_QUERIES, DS_TOTAL_MEMORY, PDQPRIORITY, and MAX_PDQPRIORITY).

The automatic action for this metric generates a report showing sort in memory percent by session.

A set of graphs (default) will be launched from this event. See the 'Sort and Scan Statistics' graph to understand about performance over a period of time.

Deadlocks

Description: This metric monitors the Total deadlocks.

Collection interval: VERYHIGH

Policy: InformixDB_1075

Aspect: Informix Database Locks

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 0.5

Message Text: Total deadlocks (<VALUE>) too high (>=<THRESHOLD>) for <OPTION (dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Total deadlocks higher than the set threshold.

Long transactions without committing; hung transactions; too many transactions trying to access the same data.

Potential Impact: Performance.

Suggested Action(s) : Keep transactions concise; schedule the tasks so that they do not all access the same data at the same time.

The automatic action for this metric generates a report showing a profile of activity.

A set of graphs (default) will be launched from this event. See the 'Locking' graph to understand about performance over a period of time.

TotalSortMemoryPct

Description: This metric monitors the percentage of sorts in memory since instance profile reset.

Collection interval: MEDIUM

Policy: InformixDB_1052

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 85, WARNING / 95

Message Text: Rule1: % sorts in memory since profile reset (<VALUE>%) too low for <OPTION(dbserve)> (<=<THRESHOLD>%). [Policy: <NAME>]

Message Text: Rule2: % sorts in memory since profile reset (<VALUE>%) low for <OPTION(dbserve)> (<=<THRESHOLD>%). [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percent of sorts in memory since instance profile reset exceeds the set threshold.

Large sorts or insufficient shared memory allocation.

Potential Impact: Database performance.

Suggested Action(s) : Analyze queries that require sorts. If appropriate, create additional indexes to reduce the need for large sorts. Review the instance configuration parameters and environment variables to tune memory allocation (SHMTOTAL, DS_MAX_QUERIES, DS_TOTAL_MEMORY, PDQPRIORITY, and MAX_PDQPRIORITY).

The automatic action for this metric generates a report showing sort in memory percent by session.

A set of graphs (default) will be launched from this event. See the 'Sort and Scan Statistics' graph to understand about performance over a period of time.

SortMaxSpace

Description: This metric monitors the maximum space used by a sort.

Collection interval: MEDIUM

Policy: InformixDB_1054

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 99999

Message Text: Maximum space used for a sort (<VALUE>) exceeds threshold (<THRESHOLD>) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Maximum space used by a sort exceeds the set threshold.

A large sort operation.

Potential Impact: System failure.

Suggested Action(s) : Click on 'Annotations' to see a report of sessions active at the time of the event.

Check the instance configuration to make sure that enough sort space is available to accommodate anticipated sorting needs (DBSPACETEMP). Analyze the queries that require large sorts. Adding indexes or re-ordering sort columns may reduce the need for sort space.

If DBSPACETEMP is not configured, sort files may be written to /tmp, potentially filling-up the file system and interfering with system operation.

The automatic action for this metric generates a report showing maximum sort space used by session.

A set of graphs (default) will be launched from this event. See the 'Sort Space' graph to understand about performance over a period of time.

DbSpacePageFreeMinPct

Description: This metric monitors the percentage dbspaces pages free.

Collection interval: VERYHIGH

Policy: InformixDB_1017

Aspect: Informix Database Physical Logs

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 5.0, WARNING / 25.0

Message Text: Rule1: Free pages percentage is too low (<=<THRESHOLD>%) for one or more dbspaces for <OPTION(dbserve)>, most serious is <OPTION(dbspace)> at <VALUE>%.
[Policy: <NAME>]

Message Text: Rule2: Free pages percentage is low (<=<THRESHOLD>%) for one or more dbspaces for <OPTION(dbserve)>, most serious is <OPTION(dbspace)> at <VALUE>%.
[Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more dbspaces have less than the percent pages free specified in the set threshold.

Not enough space allocated for the dbspace.

Potential Impact: Full dbspace.

Suggested Action(s) : Allocate another chunk for the dbspace. See the 'Annotations' report output for additional information about this and other dbspaces.

The automatic action for this metric generates a report showing dbspace information.

CheckpointWaitsRate

Description: This metric monitors the Checkpoint waits.

Collection interval: HIGH

Policy: InformixDB_1071

Aspect: Informix Database Checkpoint

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 5.0

Message Text: Total checkpoint waits rate (<VALUE>/min) exceeds the threshold (<THRESHOLD>/min) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The rate of total checkpoint waits for the Informix server exceeds the set threshold.

Checkpoints occurring too frequently or taking too long.

Potential Impact: Performance.

Suggested Action(s) : Follow the guidelines in the manual to ensure efficient checkpoints.

The automatic action for this metric generates a report showing a profile of activity.

A set of graphs (default) will be launched from this event. See the 'Checkpoint Statistics' graph to understand about performance over a period of time.

LogicalLogFreePct

Description: This metric monitors the percentage of logical log space free to total logical log space.

Collection interval: VERYHIGH

Policy: InformixDB_1065

Aspect: Informix Database Logical Logs

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: CRITICAL / 10.0, MINOR / 25.0

Message Text: Rule1: Logical log space free percentage (<VALUE>%) too low (<=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: Logical log space free percentage (<VALUE>%) low (<=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percentage of logical log space free for the Informix server is lower than the set threshold.

Logical logs not backed up; Not enough logical log space allocated for the instance.

Potential Impact: Non-responsive instance.

Suggested Action(s) : Back up logical logs; increase logical log space allocated for the instance.

The automatic action for this metric generates a report showing logical log statistics.

A set of graphs (default) will be launched from this event. See the 'Log Statistics' graph to understand about performance over a period of time.

TotalWriteCacheHitPct

Description: This metric monitors the percentage of cached writes to total writes.

Collection interval: VERYHIGH

Policy: InformixDB_1038

Aspect: Informix Database Cache Performance

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

TableSizeAlloc

Description: This metric monitors the allocated table size (in MB).

Collection interval: LOW

Policy: InformixDB_1221

Aspect: Informix Database Space Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_REPORT / DBSPI_INF_REPORT

NumSessions

Description: This metric monitors the number of Open sessions.

Collection interval: HIGH

Policy: InformixDB_1007

Aspect: Informix Database Sessions

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 500.0

Message Text: # of sessions open (<VALUE>) too high (>=<THRESHOLD>) for <OPTION (dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of sessions open for the database server is higher than the set threshold.

Too many sessions open.

Potential Impact: Performance.

Suggested Action(s) : Check to make sure there aren't any idle sessions and check to make sure the number of users in the database do not exceed the number of licenses owned.

The automatic action for this metric generates a report showing current session information.

A set of graphs (default) will be launched from this event. See the 'Sessions' graph to understand about performance over a period of time.

ShmUsedPct

Description: This metric monitors the percentage of allocated shared memory used.

Collection interval: VERYHIGH

Policy: InformixDB_1033

Aspect: Informix Database Shared Memory

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 90

Message Text: % of allocated shared memory used. (<VALUE>%) too high
(>=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of allocated shared memory used exceeds the set threshold.

SHMVIRTSIZE may be too large.

Potential Impact: Decreased memory for other applications

Suggested Action(s) : If less than 60% then free up memory by an onmode -F or decrease SHMVIRTSIZE.

The automatic action for this metric generates a report showing shared-memory buffer pool usage.

A set of graphs (default) will be launched from this event. See the 'Shared Memory Usage' graph to understand about performance over a period of time.

LockAvailPct

Description: This metric monitors the percentage of locks available to total number of locks.

Collection interval: VERYHIGH

Policy: InformixDB_1073

Aspect: Informix Database Locks

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 20.0, MINOR / 40.0

Message Text: Rule1: Locks available percentage (<VALUE>%) too low (<=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: Locks available percentage (<VALUE>%) low (<=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The Percentage of locks available to total number of locks has exceeded the set threshold.

Not enough locks allocated for the instance.

Potential Impact: Performance (sessions might have to wait on locks).

Suggested Action(s) : Increase the number of locks allocated for the instance.

The automatic action for this metric generates a report showing locks held by session.

A set of graphs (default) will be launched from this event. See the 'Locking' graph to understand about performance over a period of time.

LogicalLogNonBkUpPct

Description: This metric monitors the percentage of logical log pages used but not backed to total.

Collection interval: VERYHIGH

Policy: InformixDB_1066

Aspect: Informix Database Logical Logs

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 60.0

Message Text: Logical log pages used but not backed up percentage (<VALUE>%) too high (>=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percent of Logical log pages used but not backed for the Informix server is higher than the set threshold.

Logical logs not backed up; Not enough logical log space allocated for the instance.

Potential Impact: Non-responsive instance.

Suggested Action(s) : Back up logical logs; increase logical log space allocated for the instance.

The automatic action for this metric generates a report showing logical log statistics.

A set of graphs (default) will be launched from this event. See the 'Log Statistics' graph to understand about performance over a period of time.

TransThroughput

Description: This metric monitors the Transactions per minute.

Collection interval: VERYHIGH

Policy: InformixDB_1056

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

CurWriteCacheHitPct

Description: This metric monitors the percentage of cached writes to total writes for current interval.

Collection interval: VERYHIGH

Policy: InformixDB_1040

Aspect: Informix Database Cache Performance

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

InstanceSizeAllocFree

Description: This metric monitors the Instance size (in MB) that is allocated and free.

Collection interval: LOW

Policy: InformixDB_1216

Aspect: Informix Database Space Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_REPORT / DBSPI_INF_REPORT

NumOninitProcRun

Description: This metric monitors the number of "oninit" processes running.

Collection interval: VERYHIGH

Policy: InformixDB_1201

Aspect: NA

CIT: NA

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_REPORT / DBSPI_INF_REPORT

ShmTotal

Description: This metric monitors the size of total shared memory

Collection interval: HIGH

Policy: InformixDB_1031

Aspect: Informix Database Shared Memory

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 512000, WARNING / 256000

Message Text: Rule1: Size of total shared memory (<VALUE> KB) is too high (>=<THRESHOLD> KB) for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: Size of total shared memory (<VALUE> KB) is high (>=<THRESHOLD> KB) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The size of total shared memory exceeds the set threshold.

Database server has dynamically allocated too much memory.

Potential Impact: Server performance.

Suggested Action(s) : Change SHMTOTAL in the onconfig file to the total amount of memory to be used for the database server.

The automatic action for this metric generates a report showing the size of total shared memory allocated for this instance.

A set of graphs (default) will be launched from this event. See the 'Shared Memory Total' graph to understand about performance over a period of time.

NumPhysReadWrite

Description: This metric monitors the number of physical reads and writes to the disk since the last collection for each tablespace.

Collection interval: LOW

Policy: InformixDB_1245

Aspect: Informix Database Disk Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_REPORT / DBSPI_INF_REPORT

SortTotalRate

Description: This metric monitors the total sort rate.

Collection interval: MEDIUM

Policy: InformixDB_1051

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 100

Message Text: Total sort rate (<VALUE>/minute) too high for <OPTION(dbserve)>
(>=<THRESHOLD>/minute). [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Total sort rate per minute exceeds the set threshold.

Insufficient indexing.

Potential Impact: Database performance.

Suggested Action(s) : Analyze queries that require sorts. If appropriate, create additional indexes to reduce the need for sorts.

The automatic action for this metric generates a report showing total sorts by session.

A set of graphs (default) will be launched from this event. See the 'Sort and Scan Statistics' graph to understand about performance over a period of time.

SessionBlockedLock

Description: This metric monitors the number of sessions blocked waiting on a locked record or table.

Collection interval: VERYHIGH

Policy: InformixDB_1076

Aspect: Informix Database Locks

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 15.0

Message Text: # of sessions blocked waiting on a locked record or table (<VALUE>) too high (>=<THRESHOLD>) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of sessions blocked waiting on a locked record or table is higher than the set threshold.

Too many sessions trying to access the same data (record or table).

Potential Impact: Lockwait timeouts; uncompleted transactions.

Suggested Action(s) : Ensure that sessions accessing the high-demand data have lock mode set to wait long enough. Schedule the sessions so that they do not all access the same data at the same time.

The automatic action for this metric generates a report showing blocked session information.

A set of graphs (default) will be launched from this event. See the 'Locking' graph to understand about performance over a period of time.

UserLogonCnt

Description: This metric monitors the number of users with sessions that are open.

Collection interval: HIGH

Policy: InformixDB_1005

Aspect: Informix Database Sessions

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 100.0

Message Text: # of users connected to <OPTION(dbserve)> (<VALUE>) too high
(>=<THRESHOLD>). [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of users connected to the database server is higher than the set threshold.

Too many users have sessions open.

Potential Impact: More licenses may be required.

Suggested Action(s) : Check to make sure there aren't any idle sessions and check to make sure the number of users in the database do not exceed the number of licenses owned.

The automatic action for this metric generates a report showing current session information.

A set of graphs (default) will be launched from this event. See the 'Sessions' graph to understand about performance over a period of time.

LRUWrites

Description: This metric monitors the LRU writes in the current interval.

Collection interval: MEDIUM

Policy: InformixDB_1043

Aspect: Informix Database Disk Utilization

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

ShmDataBufModifiedPct

Description: This metric monitors the percentage of data buffers modified.

Collection interval: VERYHIGH

Policy: InformixDB_1036

Aspect: Informix Database Cache Performance

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 99, WARNING / 93

Message Text: Rule1: % data buffers modified (<VALUE>%) too high (>=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: % data buffers modified (<VALUE>%) high (>=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of data buffers modified exceeds the set threshold.

The checkpoint interval may be too high.

Potential Impact: Performance.

Suggested Action(s) : Decrease the checkpoint interval. Decrease LRU_MIN_DIRTY and LRU_MAX_DIRTY configuration parameters.

The automatic action for this metric generates a report showing shared-memory data buffer usage.

ProcessStatus

Description: This metric monitors the number of **oninit** processes running.

Collection interval: VERYHIGH

Policy: InformixDB_1001

Aspect: Informix Database Availability

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: CRITICAL / 0.5

Message Text: Informix DB is down. No 'oninit' processes are running. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Informix is down. No 'oninit' processes are running.

Instances were shut down; system unresponsive; network failure; hardware failure.

Potential Impact: System down.

Suggested Action(s) : Start-up database server instances.

The automatic action for this metric generates a report showing any 'oninit' processes.

CheckpointRate

Description: This metric monitors the Checkpoint completion rate.

Collection interval: MEDIUM

Policy: InformixDB_1069

Aspect: Informix Database Checkpoint

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 30.0

Message Text: Checkpoint completion rate (<VALUE>/hr) too high (>=<THRESHOLD>/hr) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The checkpoint completion rate for the Informix server exceeds the set threshold.

Checkpoints occurring too frequently.

Potential Impact: Performance.

Suggested Action(s) : Follow the guidelines in the manual to ensure efficient checkpoints.

The automatic action for this metric generates a report showing checkpoint completions.

A set of graphs (default) will be launched from this event. See the 'Checkpoint Statistics' graph to understand about performance over a period of time.

SortDiskRate

Description: This metric monitors the disk sort rate.

Collection interval: MEDIUM

Policy: InformixDB_1050

Aspect: Informix Database Sort & Scan

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MINOR / 10

Message Text: Disk sort rate (<VALUE>/hour) is too high for <OPTION(dbserve)> (>=<THRESHOLD>/hour). [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Disk sort rate per hour exceeds the set threshold.

Large sorts or insufficient shared memory allocation.

Potential Impact: Database performance.

Suggested Action(s) : Analyze queries that require sorts. If appropriate, create additional indexes to reduce the need for large sorts. Review the instance configuration parameters and environment variables to tune memory allocation (SHMTOTAL, DS_MAX_QUERIES, DS_TOTAL_MEMORY, PDQPRIORITY, and MAX_PDQPRIORITY).

The automatic action for this metric generates a report showing disk sorts by session.

A set of graphs (default) will be launched from this event. See the 'Sort and Scan Statistics' graph to understand about performance over a period of time.

PhyLogPageFreePct

Description: This metric monitors the percentage of free pages to total pages in physical log.

Collection interval: VERYHIGH

Policy: InformixDB_1015

Aspect: Informix Database Physical Logs

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: MAJOR / 10.0

Message Text: Free pages percentage (<VALUE>%) too low (<=<THRESHOLD>%) for
<OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of free pages to total pages in physical log is lower than the set threshold.

Not enough space allocated for the physical log.

Potential Impact: Instance shutdown.

Suggested Action(s) : Increase the size of the physical log and reinitialize the instance; configure the instance according to the sizing guidelines for the physical log and the logical log files in the manuals.

The automatic action for this metric generates a report showing logging information.

A set of graphs (default) will be launched from this event. See the 'Log Statistics' graph to understand about performance over a period of time.

BbobSpacePageFreePct

Description: This metric monitors the percentage blobspaces pages free (Drill-Down).

Collection interval: VERYHIGH

Policy: InformixDB_1219

Aspect: NA

CIT: NA

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 5.0, WARNING / 25.0

Message Text: Rule1: Percentage of free pages (<VALUE>%) is too low (<=<THRESHOLD>%) for blobspace <OPTION(blobspace)> for <OPTION(dbserve)>. [Policy: <NAME>]

Message Text: Rule2: Percentage of free pages (<VALUE>%) is low (<=<THRESHOLD>%) for blobspace <OPTION(blobspace)>for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : A specific blobspaces has less than the percent pages free specified in the set threshold.

Not enough space allocated for the blobspace.

Potential Impact: Full blobspace.

Suggested Action(s) : Allocate another chunk for the blobspace.

The automatic action for this metric generates a report showing information about this and other blobspace.

ChunkDown

Description: This metric monitors the number of chunks down.

Collection interval: VERYHIGH

Policy: InformixDB_1020

Aspect: Informix Database Physical Logs

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: CRITICAL / 0.5

Message Text: <VALUE> chunks down for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : There are one or more chunks down in the database server.

Hardware failure; network failure.

Potential Impact: Inaccessible tables; incomplete/inaccurate queries.

Suggested Action(s) : Bring chunk back online.

The automatic action for this metric generates a report showing chunk information.

ForegroundWritesRate

Description: This metric monitors the Foreground writes per hour.

Collection interval: MEDIUM

Policy: InformixDB_1041

Aspect: Informix Database Disk Utilization

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MINOR / 3.0

Message Text: # of foreground writes per hour (<VALUE>) is too high (>=<THRESHOLD>) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of foreground writes per hour exceeds the set threshold.
Cleaners, LRU min/max dirty not set up properly.

Potential Impact: Performance.

Suggested Action(s) : Follow the guidelines in the manual (for those parameters in particular) to ensure efficient flushing.

The automatic action for this metric generates a report showing write type statistics.

A set of graphs (default) will be launched from this event. See the 'Writes' graph to understand about performance over a period of time.

LogicalLogPageFree

Description: This metric monitors the logical log pages free.

Collection interval: VERYHIGH

Policy: InformixDB_1064

Aspect: Informix Database Logical Logs

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: CRITICAL / 500.0

Message Text: # of logical log pages (<VALUE>) is too low (<=<THRESHOLD>) for <OPTION (dbserv)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of logical log pages for the Informix server is lower than the set threshold.

Logical logs not backed up; Not enough logical log space allocated for the instance.

Potential Impact: Non-responsive instance.

Suggested Action(s) : Back up logical logs; increase logical log space allocated for the instance.

The automatic action for this metric generates a report showing logical log statistics.

A set of graphs (default) will be launched from this event. See the 'Log Statistics' graph to understand about performance over a period of time.

CommitRate

Description: This metric monitors the Commits per minute.

Collection interval: VERYHIGH

Policy: InformixDB_1057

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

CurRollbackPct

Description: This metric monitors the percentage of transactions rolled-back this interval.

Collection interval: HIGH

Policy: InformixDB_1060

Aspect: Informix Database Transactions

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 30.0

Message Text: % of transactions rolled-back this interval(<VALUE>%) too high
(>=<THRESHOLD>%) for <OPTION(dbserve)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percent of transactions rolled-back this interval has exceeded the set threshold.

1. Application Logic.
2. One of the servers may be down during a distributed query.

Potential Impact: Database performance.

Suggested Action(s) : Check application. Check availability of all servers that are transaction participants.

The automatic action for this metric generates a report showing rollback percent by session.

A set of graphs (default) will be launched from this event. See the 'Transactions' graph to understand about performance over a period of time.

CurReadCacheHitPct

Description: This metric monitors the percentage of cached reads to total reads for current interval.

Collection interval: VERYHIGH

Policy: InformixDB_1039

Aspect: Informix Database Cache Performance

CIT: Informix

Alarming / Logging: Alarming and Logging

Data source/ Data class: DBSPI_INF_GRAPH / DBSPI_INF_GRAPH

Message Category: InformixDB

Severity / Threshold: WARNING / 80.0

Message Text: Cached reads to total reads percentage (<VALUE>%) for the current interval too low (<=<THRESHOLD>%) for <OPTION(dbserve)>. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Percentage of cached reads to total reads for the current interval is lower than the set threshold.

Not enough buffers or physical log space allocated.

Potential Impact: Performance.

Suggested Action(s) : Allocate more physical log space and more buffers to the instance.

The automatic action for this metric generates a report showing a profile of activity.

A set of graphs (default) will be launched from this event. See the Shared Memory Usage graph to understand about performance over a period of time.

BlobSpacePageFreeMinPct

Description: This metric monitors the percentage of blobspaces pages free.

Collection interval: VERYHIGH

Policy: InformixDB_1019

Aspect: Informix Database Physical Logs

CIT: Informix

Alarming / Logging: Alarming

Message Category: InformixDB

Severity / Threshold: MAJOR / 5.0, WARNING / 25.0

Message Text: Rule1: Free pages percentage is too low (<=<THRESHOLD>%) for one or more blobspaces for <OPTION(dbserve)>, most serious is <OPTION(blobspace)> at <VALUE>%.
[Policy: <NAME>]

Message Text: Rule2: Free pages percentage is low (<=<THRESHOLD>%) for one or more blobspaces for <OPTION(dbserve)>, most serious is <OPTION(blobspace)> at <VALUE>%.
[Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more blobspaces have less than the percent pages free specified in the set threshold.

Not enough space allocated for the blobspace.

Potential Impact: Full blobspace.

Suggested Action(s) : Allocate another chunk for the blobspace. See the 'Annotations' report output for additional information about this and other blobspaces.

The automatic action for this metric generates a report showing blobspace information.

Send documentation feedback

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 Reference Guide (OMi Management Pack for Informix Database 1.00)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to docfeedback@hpe.com.

We appreciate your feedback!