



OMi Management Pack for TIBCO

Software Version: 1.00

Operations Manager i for Linux and Windows® operating systems

Reference Guide

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OMi MP for TIBCO Metrics and Data Collection

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

TIBCO_RV_MessagesReceived

Description: Number of messages received during the last polling interval in RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_MessagesReceived

Aspect: TIBCO RV Message Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Messages Received

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of messages received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of messages received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program cannot allocate memory to receive an inbound messages from the Rendezvous daemon.

TIBCO_EMS_PendingMsgCount

Description: Number of pending messages in EMS Server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_PendingMsgCount

Aspect: TIBCO EMS Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: getServerInfo

Column Name: pendingMessageCount

Formula: NA

Severity / Threshold: MAJOR / 300, MINOR / 200

Message Text: Rule1: Pending Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Pending Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Consumer is down or with error such as maximum threads incorrectly configured, malformed message, bad error handling.

Suggested Action(s) : Restart the receiver and check for increasing trend of pending message count.

TIBCO_BW_NumbJobsCreated

Description: Number of jobs created for all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsCreated

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: Created

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 40

Message Text: Rule1: Total number of jobs created for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs created for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Application may be restarted multiple times or increase in the incoming requests.

Suggested Action(s) : Verify if the FlowLimit is set properly.

TIBCO_BW_Availability

Description: Monitor the availability status of BW Applications.

Collection interval: VERYHIGH

Policy: TIBCO_BW_Availability

Aspect: TIBCO BW Availability

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: getHostInformation

Column Name: Value

Formula: NA

Severity / Threshold: CRITICAL / 0.000000, MAJOR / 1.000000, MINOR / 2.000000, WARNING / 3.000000, WARNING / 4.000000

Message Text: Rule1: Application is STOPPED [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Application is STOPPING [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule3: Application is UNINITIALIZED [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule4: Application is INITIALIZING [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule5: Application is in STANDBY [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s): BW Application is not running, may be Administrator has shut it down or maybe down for other reasons.

Potential Impact: Performance monitoring for application is not possible, till the application is started.

Suggested Action(s): Administrator should start the application.

TIBCO_EMS_Availability

Description: Monitors the availability of EMS server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_Availability

Aspect: TIBCO EMS Availability

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: isRunning

Column Name: running

Formula: NA

Severity / Threshold: CRITICAL / 0

Message Text: EMS server[<OPTION(Tibco_MicroAgent_Id)>] is not running
[Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy:
<NAME>]

Instruction Text:

Probable Cause(s) : Verify the log files for any errors.

Suggested Action(s) : Restart the EMS Server.

TIBCO_BW_AverageElapsedTime

Description: Average elapsed time(in milliseconds) of all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_AverageElapsedTime

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: AverageElapsed

Formula: NA

Severity / Threshold: MAJOR / 2000, MINOR / 1000

Message Text: Rule1: Average elapsed time(in milliseconds) of all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Average elapsed time(in milliseconds) of all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One of the reasons could be improper configuration of MaxJobs and FlowLimit

Suggested Action(s): Optimize the process if possible. For example, optimize the XML transformation logic. Also check the Tune MaxJobs and FlowLimit Parameters.

TIBCO_RV_MessagesSent

Description: Number of messages sent during the last polling interval in RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_MessagesSent

Aspect: TIBCO RV Message Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Messages Sent

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of messages sent by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of messages sent by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program is sending messages in a tight loop—either the daemon or the physical network cannot absorb the volume.

TIBCO_RV_BytesSent

Description: Number of bytes sent during the last polling interval in the RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_BytesSent

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Bytes Sent

Formula: NA

Severity / Threshold: MAJOR / 250000, MINOR / 100000

Message Text: Rule1: Number of bytes sent by RVD during the last polling interval(<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of bytes sent by RVD during the last polling interval(<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program is oversubscribed, thus cannot process the volume of data for which it is listening. The client program is starved for CPU cycles and its host computer is too heavily loaded.

TIBCO_EMSQueue_PendingMsgCount

Description: Number of pending messages in the EMS Server Queue.

Collection interval: HIGH

Policy: TIBCO_EMSQueue_PendingMsgCount

Aspect: TIBCO EMS Queue Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Logging

Data source/ Data table: TIBCO_MP / TibEMSQs

Micro Agent Name: JMS_controller

Method Name: getQueues

Column Name: pendingMessageCount

Formula: descend(10)

TIBCO_EMQueue_InboundMsgRate

Description: The rate of inbound message for EMS Server Queue.

Collection interval: HIGH

Policy: TIBCO_EMQueue_InboundMsgRate

Aspect: TIBCO EMS Queue Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Logging

Data source/ Data table: TIBCO_MP / TibEMSQs

Micro Agent Name: JMS_controller

Method Name: getQueues

Column Name: inboundMessageRate

Formula: descend(10)

TIBCO_RV_MissedPacketRate

Description: The rate of missed packet for the last polling interval in RV.

Collection interval: VERYHIGH

Policy: TIBCO_RV_MissedPacketRate

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: % Missed Packets

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 20

Message Text: Rule1: Missed Packet Rate(<VALUE>%) is too high(>=<THRESHOLD>%)
[Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Missed Packet Rate(<VALUE>%) is too high(>=<THRESHOLD>%)
[Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : There may be a network congestion leading to increase in missed packets

Suggested Action(s) : Check the network congestion and load on RVD. Run the rvtrace command to check for bad packets and host requesting maximum packets. Check the DATALOSS advisory in log files. Increase the reliability parameters. Check if receiver has enough CPU cycles.

TIBCO_EMS_OutboundMsgCount

Description: Number of outbound messages in EMS server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_OutboundMsgCount

Aspect: TIBCO EMS Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: getServerInfo

Column Name: outboundMessageCount

Formula: delta(OOTB27)

Severity / Threshold: MAJOR / 200, MINOR / 100

Message Text: Rule1: Outbound Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Outbound Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s): One or more remote producers may be receiving lot of requests.

Suggested Action(s): Verify the individual queues or topics on the server to understand the remote producer which is causing in the increase in input traffic.

TIBCO_EMS_InboundMsgCount

Description: Number of inbound messages in the EMS Server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_InboundMsgCount

Aspect: TIBCO EMS Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: getServerInfo

Column Name: inboundMessageCount

Formula: delta(OOTB25)

Severity / Threshold: MAJOR / 200, MINOR / 100

Message Text: Rule1: Inbound Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Inbound Message Count for EMS server(<VALUE>) is too high (>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s): One or more of the remote producers might be receiving many requests.

Suggested Action(s): Verify individual queues or topics on the server to understand the remote producer which is causing the increase in input traffic.

TIBCO_RV_PacketsReceived

Description: Number of packets received for the last polling interval in RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_PacketsReceived

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Packets Received

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of packets received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of packets received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program is oversubscribed—it cannot process the volume of data for which it is listening. The client program is starved for CPU cycles—its host computer is too heavily loaded.

TIBCO_BW_NewErrors

Description: Number of new errors for all process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NewErrors

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: getStatus

Column Name: New Errors

Formula: NA

Severity / Threshold: MAJOR / 20, MINOR / 10

Message Text: Rule1: Number of new errors(<VALUE>) is too high(>=<THRESHOLD>)
[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of new errors(<VALUE>) is too high(>=<THRESHOLD>)
[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One of the reasons could be invalid data or data types mismatch.

Suggested Action(s) : Restart the process and check and validate the data.

TIBCO_BW_MaxElapsedTime

Description: Maximum elapsed time (in milliseconds) among all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_MaxElapsedTime

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine.

Method Name: GetProcessDefinitions

Column Name: MaxElapsed

Formula: NA

Severity / Threshold: MAJOR / 2000, MINOR / 1000

Message Text: Rule1: Maximum elapsed time(in milliseconds) among all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>)
[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Maximum elapsed time(in milliseconds) among all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>)
[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more process definitions may be busy waiting for a resource which might be responding slowly.

Suggested Action(s) : Verify if all the dependent resources are performing properly. Also check the MaxJobs and FlowLimit parameters.

TIBCO_EMS_InboundMsgRate

Description: The rate of inbound message for the EMS Server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_InboundMsgRate

Aspect: TIBCO EMS Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: getServerInfo

Column Name: inboundMessageRate

Formula: NA

Severity / Threshold: MAJOR / 500, MINOR / 200

Message Text: Rule1: Inbound Message Rate(messages per second) for EMS server (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Inbound Message Rate(messages per second) for EMS server (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more of the remote producers might be receiving lot of requests.

Suggested Action(s): Verify individual queues or topics on the server to understand the remote producer which is causing the increase in input traffic.

TIBCO_BW_NumbJobsSwapped

Description: Total number of jobs swapped for all process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsSwapped

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: Swapped

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 30

Message Text: Rule1: Total number of jobs swapped for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs swapped for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : MaxJobs and FlowLimit parameters may not be set properly.

Suggested Action(s) : Tune MaxJobs and FlowLimit parameters.

TIBCO_RV_MissedPackets

Description: Number of missed packet in the last polling interval of RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_MissedPackets

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Missed Packets

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of packets missed by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of packets missed by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : There may be a network congestion leading to increase in missed packets.

Suggested Action(s) : Check the network congestion and load on RVD. Run the rvtrace command to check for bad packets and host requesting maximum packets.

TIBCO_BW_NumbJobsSuspended

Description: Total number of jobs suspended for all process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsSuspended

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: Suspended

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 30

Message Text: Rule1: Total number of jobs suspended for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs suspended for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more required dependent resources might be busy serving other requests.

Suggested Action(s) : Verify if the all the required dependent resources are tuned properly. Also review MaxJobs and FlowLimit parameters.

TIBCO_BW_NumbJobsQueued

Description: Number of jobs queued for all process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsQueued

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine.

Method Name: GetProcessDefinitions

Column Name: Queued

Formula: NA

Severity / Threshold: MAJOR / 200, MINOR / 100

Message Text: Rule1: Total number of jobs queued for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs queued for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Multiple requests are being made to the service.

Suggested Action(s) : Review the BW configuration for the number of jobs that can run in parallel. Check the configurations for MaxJobs and FlowLimit Parameters.

TIBCO_EMSQueue_OutboundMsgCount

Description: Number of outbound messages in the EMS Server Queue.

Collection interval: HIGH

Policy: TIBCO_EMSQueue_OutboundMsgCount

Aspect: TIBCO EMS Queue Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Logging

Data source/ Data table: TIBCO_MP / TibEMSQs

Micro Agent Name: JMS_controller

Method Name: getQueues

Column Name: outboundTotalMessages

Formula: descend(10)

TIBCO_MP_MicroAgentAvailability

Description: Monitors the availability of MicroAgent.

Collection interval: VERYHIGH

Policy: TIBCO_MP_MicroAgentAvailability

Aspect: TIBCO BW Availability

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: NA

Method Name: NA

Column Name: NA

Formula: NA

Severity / Threshold: CRITICAL / 0

Message Text: MicroAgent[<OPTION(Tibco_MicroAgent_Id)>] under Hawk agent[<OPTION(Tibco_Agent_Id)>] is not available [Domain:<OPTION(Tibco_Domain_Name)>] [Policy:<NAME>]

Instruction Text:

Probable Cause(s) : MicroAgent has been shut down or may have gone down for other reasons.

Potential Impact: Performance monitoring for MicroAgent is not possible till the MicroAgent is available.

Suggested Action(s) : Administrator should start the MicroAgent.

TIBCO_BW_NumbJobsAborted

Description: Total number of jobs aborted for all process definitions in the BW Engine

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsAborted

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: Aborted

Formula: NA

Severity / Threshold: MAJOR / 200, MINOR / 100

Message Text: Rule1: Total number of jobs aborted for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs aborted for all process definitions in the BW Engine (<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more required resources might not be available.

Suggested Action(s) : Verify the MaxJobs and FlowLimit parameters.

TIBCO_BW_TotalErrors

Description: Total number of errors for all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_TotalErrors

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: getStatus

Column Name: Total Errors

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 20

Message Text: Rule1: Total number of errors(<VALUE>) is too high(>=<THRESHOLD>)
[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of errors(<VALUE>) is too high(>=<THRESHOLD>)
Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One of the reasons can be invalid data or data types mismatch.

Suggested Action(s) : Restart process and validate the data.

TIBCO_RV_BytesReceived

Description: Bytes received for the last polling interval in RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_BytesReceived

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Bytes Received

Formula: NA

Severity / Threshold: MAJOR / 250000, MINOR / 100000

Message Text: Rule1: Number of bytes received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of bytes received by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program is oversubscribed—it cannot process the volume of data for which it is listening. The client program is starved for CPU cycles—its host computer is too heavily loaded.

TIBCO_RV_RetransmittedPacketRate

Description: Rate of packet retransmitted for the last polling interval in RVD.

Collection interval: VERYHIGH

Policy: TIBCO_RV_RetransmittedPacketRate

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: % Retransmitted Packets

Formula: NA

Severity / Threshold: MAJOR / 50, MINOR / 20

Message Text: Rule1: Retransmitted Packet Rate is (<VALUE>%) compared to threshold (<THRESHOLD>%) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Retransmitted Packet Rate is (<VALUE>%) compared to threshold (<THRESHOLD>%) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : There may be a network congestion leading to increase in retransmitted packets.

Suggested Action(s) : Check if receiver has enough CPU cycles. Check for the DATALOSS advisory in log files.

TIBCO_BW_TotalElapsedTime

Description: Total time elapsed for all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_TotalElapsedTime

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine.

Method Name: GetProcessDefinitions

Column Name: TotalElapsed

Formula: NA

Severity / Threshold: MAJOR / 180000, MINOR / 60000

Message Text: Rule1: Total elapsed time in milliseconds of all jobs completed by all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>)

[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total elapsed time in milliseconds of all jobs completed by all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>)

[Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)>
Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more of the process definitions might be busy waiting for a resource which might be responding slowly.

Suggested Action(s) : Verify if all the dependent resources are performing properly. Also check the MaxJobs and FlowLimit parameters.

TIBCO_BW_MinElapsedTime

Description: Minimum time elapsed of all the process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_MinElapsedTime

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine.

Method Name: GetProcessDefinitions

Column Name: MinElapsed

Formula: NA

Severity / Threshold: MAJOR / 500, MINOR / 200

Message Text: Rule1: Minimum elapsed time(in milliseconds) among all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Minimum elapsed time(in milliseconds) among all the process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more of the process definitions may be busy waiting for a resource which might be responding slowly.

Suggested Action(s) : Verify if all the dependent resources are performing properly. Also check the MaxJobs and FlowLimit parameters.

TIBCO_EMSTQueue_OutboundMsgRate

Description: Rate of outbound message per second in the EMS Server Queue.

Collection interval: HIGH

Policy: TIBCO_EMSTQueue_OutboundMsgRate

Aspect: TIBCO EMS Queue Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Logging

Data source/ Data table: TIBCO_MP / TibEMSTQs

Micro Agent Name: JMS_controller

Method Name: getQueues

Column Name: outboundMessageRate

Formula: descend(10)

TIBCO_RV_PacketsSent

Description: Number of packets sent during the last polling interval.

Collection interval: VERYHIGH

Policy: TIBCO_RV_PacketsSent

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Packets Sent

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of packets sent by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of packets sent by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The client program is oversubscribed—it cannot process the volume of data for which it is listening. The client program is starved for CPU cycles—its host computer is too heavily loaded.

TIBCO_EMSTQueue_InboundMsgCount

Description: Number of Inbound message in EMS Server Queue.

Collection interval: HIGH

Policy: TIBCO_EMSTQueue_InboundMsgCount

Aspect: TIBCO EMS Queue Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Logging

Data source/ Data table: TIBCO_MP / TibEMSTQs

Micro Agent Name: JMS_controller

Method Name: getQueues

Column Name: inboundTotalMessages

Formula: descend(10)

TIBCO_BW_NumbJobsCheckpointed

Description: Total number of jobs passed the checkpoint for all process definitions in the BW Engine.

Collection interval: VERYHIGH

Policy: TIBCO_BW_NumbJobsCheckpointed

Aspect: TIBCO BW Process Statistics

CIT: TibcoBusinessWorks

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibBWEngine

Micro Agent Name: COM.TIBCO.ADAPTER.bwengine

Method Name: GetProcessDefinitions

Column Name: Checkpointed

Formula: NA

Severity / Threshold: MAJOR / 100, MINOR / 50

Message Text: Rule1: Total number of jobs checkpointed for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Total number of jobs checkpointed for all process definitions in the BW Engine(<VALUE>) is too high(>=<THRESHOLD>) [Application:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more required resources may not be available.

Suggested Action(s) : Verify the MaxJobs and FlowLimit parameters.

TIBCO_MP_HawkAgentAvailability

Description: Monitors the availability status Hawk Agent.

Collection interval: VERYHIGH

Policy: TIBCO_MP_HawkAgentAvailability

Aspect: TIBCO Hawk Agent Availability

CIT: Computer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibHawk

Micro Agent Name: NA

Method Name: NA

Column Name: NA

Formula: NA

Severity / Threshold: CRITICAL / 0

Message Text: Hawk Agent[<OPTION(Tibco_Agent_Id)>] is not available [Domain:<OPTION (Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : HawkAgent has shut down or may have gone down for other reasons.

Potential Impact: Performance monitoring for HawkAgent is not possible, till the HawkAgent is available.

Suggested Action(s) : Administrator should start the HawkAgent.

TIBCO_EMS_OutboundMsgRate

Description: Rate (messages per seconds) of outbound message in the EMS server.

Collection interval: VERYHIGH

Policy: TIBCO_EMS_OutboundMsgRate

Aspect: TIBCO EMS Message Statistics

CIT: TibcoEmsServer

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibEMS

Micro Agent Name: JMS_controller

Method Name: getServerInfo

Column Name: outboundMessageRate

Formula: NA

Severity / Threshold: MAJOR / 500, MINOR / 200

Message Text: Rule1: Outbound Message Rate(messages per second) for EMS server (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Outbound Message Rate(messages per second) for EMS server (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : One or more remote producers might be receiving lot of requests.

Suggested Action(s) : Verify individual queues or topics on the server to understand the remote producer which is causing increase in the input traffic.

TIBCO_RV_RetransmittedPackets

Description: Number of packets retransmitted during the last polling interval.

Collection interval: VERYHIGH

Policy: TIBCO_RV_RetransmittedPackets

Aspect: TIBCO RV Network Statistics

CIT: RendezvousDaemon

Alarming / Logging: Alarming and Logging

Data source/ Data table: TIBCO_MP / TibRV

Micro Agent Name: TIBCO Rendezvous

Method Name: onRvDaemonStatus

Column Name: Retransmitted Packets

Formula: NA

Severity / Threshold: MAJOR / 150000, MINOR / 60000

Message Text: Rule1: Number of retransmitted packets by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Message Text: Rule2: Number of retransmitted packets by RVD during the last polling interval (<VALUE>) is too high(>=<THRESHOLD>) [Service:<OPTION(Tibco_MicroAgent_Id)> Machine:<OPTION(Tibco_Agent_Id)> Domain:<OPTION(Tibco_Domain_Name)>] [Policy: <NAME>]

Instruction Text:

Suggested Action(s) : Check if receiver has enough CPU cycles. Check for DATALOSS advisory in the log files.

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