HP Operations Smart Plug-in for Microsoft Enterprise Servers

For the HP Operations Manager for Windows® operating system

Software Version: 8.05

Online Help

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Chapter 1

Overview

Smart Plug-in (SPI) is plug-in or add-on software for HP Operations Manager (HPOM). It functions as a modular component of HPOM and further improves its monitoring capabilities in managing your IT resources. SPIs help you to simplify the tasks of your environment by:

- Monitoring availability and health

- Detecting performance lapse

- Detecting, preventing, and solving problems

- Documenting problem solutions

- Generating reports

The Microsoft Enterprise Servers SPI helps you to manage the Microsoft Enterprise Servers in your environment. The Microsoft Enterprise Servers SPI keeps you informed about the conditions related to the following Microsoft Enterprise Servers:

- BizTalk Server 2006 and R2

- Internet Security and Acceleration Server 2006

- Microsoft Office SharePoint Server 2007

- Microsoft Office SharePoint Server 2010

- Microsoft Office Communications Server 2007 and R2

- Microsoft Lync Server 2010

Note: Microsoft Office Communications Server 2007 *supports* the following deployment configurations:

- Microsoft Office Communication Server Standard Edition

- Microsoft Office Communications Server Enterprise Edition Consolidated Configuration

- Microsoft Office Communications Server Enterprise Edition Expanded Configuration
The Microsoft Office Communications Server *does not support* the following deployment configurations:

- Microsoft Office Communications Server 2007 configured with load balancing

- Microsoft Office Communications Server 2007 installed on clustered environment

The Microsoft Enterprise Servers SPI offers:

- **Topology/Service Mapping:** The Microsoft Enterprise Servers SPI discovers and maps Microsoft Enterprise Servers on your network. The servers are displayed in the service map, showing dependencies to other systems where appropriate.

- **Availability Monitoring:** The Microsoft Enterprise Servers SPI monitors the services that need to run to ensure complete availability of your Microsoft Enterprise Servers.

- **Performance Monitoring:** The Microsoft Enterprise Servers SPI monitors Windows performance counters, notifying you if thresholds are exceeded.

- **Event Log Monitoring:** The Microsoft Enterprise Servers SPI monitors the Windows Event Logs.

- **Reporting and Graphing:** The Microsoft Enterprise Servers SPI creates reports and graphs that show historical data and trend information based on the logged data. This can be used for capacity planning and SLA compliance.

- **Troubleshooting** Assistance with the Self Healing Info tool.

Related Topics:

- Components of Microsoft Enterprise Servers SPI

- Getting Started with Microsoft Enterprise Servers SPI

Getting Started

The HP Operations Smart Plug-ins DVD contains the Smart Plug-in for Microsoft Enterprise Servers (Microsoft Enterprise Servers SPI). See the *HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Installation and Configuration Guide* for complete installation, upgrade, and configuration procedures.

To verify if the Microsoft Enterprise Servers SPI is installed or upgraded, check the SPI under policy group. Expand **Policy Group** under **Policy Management**. The **SPI for Microsoft Enterprise Servers** in the list verifies the installation or upgrade. You can further expand **SPI for Microsoft Enterprise Servers** and check for **BizTalk Server 2006** under **BizTalk Server**, **Internet Security And Acceleration Server 2006** under **Internet Security and Acceleration Server**, **Microsoft_Office_Communications_Server_2007** under **Microsoft_Office_ Communications_Server**, and **Microsoft Office SharePoint Server 2007** under **SharePoint Portal Server** depending on your environment setup.

After you configure the Microsoft Enterprise SPI, the HP Operations Management (HPOM) console shows updates in the following areas:

- *Service Map:* Service map shows the newly added and discovered Microsoft Enterprise Servers services displayed in both the console services tree (left) and the service map (right). Within the service map pane, the hierarchy expands to show the specific services present on each server. Further expansion of each server displays its components.

- *Message Browser:* Displays messages identified with the problem severity level.

- *Reports and Graphs:* Present the information that helps you see trends to manage the Microsoft Enterprise Servers in your environment by implementing policy scheduling and threshold adjustments.

*Prerequisite***:** Installation of the HPOM console, management server, and agents is required for Microsoft Enterprise Servers SPI programs to work.

Related Topics:
- HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Overview

- Server and Service Discovery of Microsoft Enterprise Servers SPI

Components of Microsoft Enterprise Servers SPI

The components of Microsoft Enterprise Server SPI are:

- *Policies:* Policies are pre-defined thresholds to keep a constant vigilance over the Microsoft Enterprise Server environment and improve monitoring schedules in the form of service map alerts and messages. Service map alerts are shown in service map while messages are available in message browser. The severity level of each message, whether it is a minor, major, or critical is shown by a color-code. The messages indicate the problem and help you take preventive action.

- *Tools:* Tools are the utilities to gather more Microsoft Enterprise Server related information. Self Healing tools are used for troubleshooting any of the Microsoft Enterprise Servers SPI. The MSES_BTS_DB_Configuration tool is used to configure the BizTalk Server SPI of the Microsoft Enterprise Servers SPI and the Browse SharePoint Site tool runs the Internet Explorer to browse the web site defined by the service node.

- *Reports:* Reports represent various metrics of Microsoft Enterprise Servers. Data collected by policies are used to generate reports.

- *Graphs:* Graphs are pictorial representation of various metrics of the Microsoft Enterprise Servers. Graphs contain the data that are collected by policies.

Reports and graphs generated with the help of HP Reporter and HP Performance Manager provide you an overview to determine corrective actions to be taken in the long term. For more details on installation and configuration of HP Reporter and HP Performance Manager, see *HP Operations Smart Plug-in for Microsoft Enterprise Servers Installation and Configuration Guide*.

Related Topics:

- HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Overview

- Server and Service Discovery of Microsoft Enterprise Servers SPI

Server and Service Discovery of Microsoft Enterprise Servers SPI

After configuring your nodes, deploy the discovery policies to discover (detect) the existing services and components of the Microsoft Enterprise Servers environment in the managed nodes. Deploying these policies launches an automated process that adds the discovered services to the HPOM service tree and service map.

Before deploying the discovery policy group, edit the discovery policy for the following Microsoft Enterprise Servers:

- BizTalk Server 2006

- Microsoft Office SharePoint Server 2007

- Microsoft Office Communications Server 2007

For more details, see *Discovery Configuration Scenarios* section of *HP Operations Smart Plug-in*

for Microsoft Enterprise Servers Installation and Configuration Guide.

Note:

 If the Microsoft Enterprise Servers SPI is installed **after** the nodes are configured, deploy the discovery policy groups manually for all Microsoft Enterprise Servers.

Related Topics:

- Getting Started with Microsoft Enterprise SPI

- Components of Microsoft Enterprise Servers SPI

Chapter 2

Microsoft Enterprise Servers SPI - BizTalk Server 2006

Overview

Microsoft BizTalk Server provides distributed application integration services using XML as its primary messaging format. External formats are converted to the Biztalk standards through parsers and Biztalk mapping services, which are components of Biztalk Messaging Services. The Biztalk Orchestration Designer defines the process that a document undergoes. In BizTalk messaging, channels handle the conversion of external formats, and ports are responsible for transmitting documents. The channels and ports in Biztalk Messaging can be configured to receive and transmit documents in a variety of formats and protocols, such as HTTP, HTTPS, SMTP, COM. In Orchestration services, the ports represent the input and output of a process. The action is defined in the XLANG schedule.

The Microsoft Enterprise Servers SPI monitors the performance of BizTalk Server 2006 with policies, tools, graphs, and reports.

The Microsoft Enterprise Servers BizTalk Server SPI requires additional configuration. Use the MSES_BTS_DB_Configuration tool to configure the Microsoft Enterprise Servers SPI for BizTalk Server 2006. See *Additional Configuration Procedure for Microsoft Enterprise Servers SPI for BizTalk Server 2006* section of *HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Installation and Configuration Guide* for more details on configuration.

Related Topics:

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Policies

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Reports

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Graphs

- MSES_BTS_DB_Configuration_BizTalk Tool

Microsoft Enterprise Servers SPI BizTalk Server Policies

The Microsoft Enterprise Servers SPI BizTalk Server policies monitor the Microsoft BizTalk Server. The policies offer the following monitoring processes:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity

- Server Logging
- Discovery

Availability Monitoring

The Microsoft Enterprise Servers BizTalk Server SPI policies under availability monitoring monitor the services of the Microsoft BizTalk Server. If any of the services is not running and the service startup is set to *Auto Start*, an attempt is made to restart the service. A console error message is sent to indicate that service is not running.
Monitored services of BizTalk Server include:

- BizTalk Messaging Service (MSCIS)

- BizTalk Orchestration Service (WFSVCMGR)

- BizTalk Server Application Service

- BizTalk RuleEngineUpdate Service

- Enterprise Single Sign-On

Event Log Monitoring

The polices under event log monitoring send alert messages to the HPOM console as errors, warnings, and information entries.

Policies monitoring events are grouped as follows:

- BizTalk Server

- XLANG Scheduler

Performance Monitoring

Biztalk Server performance monitoring includes both specific BizTalk Server performance counters and CPU process-related counters. Each policy for performance monitoring has both error and warning thresholds.

Policies monitoring the following areas of performance are:

- CPU Usage

- Memory Usage

Server Logging

The policies included are MSES_BizTalkServer_TDDS_Logging, MSES_BizTalk_IntervalCount_Logging, and MSES_BizTalkServer_SusDoc_Logging policies.

These policies require the deployment of the MSES_BizTalk_CreateCodaDataSources policy to first create the CODA interval count datasource.

Related Topics:

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Reports

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Graphs

- MSES_BTS_DB_Configuration_BizTalk Tool

Availability Monitoring

The availability monitoring group monitors the services of the Microsoft BizTalk Server. If any of the services is not running and the service startup is set to *Auto Start*, then an attempt is made to restart the service. A console error message is sent to indicate that service is not running.

Monitored services of BizTalk Server include:

- BizTalk Messaging Service (MSCIS)

- BizTalk Orchestration Service (WFSVCMGR)

- BizTalk Server Application Service

- BizTalk RuleEngineUpdate Service

- Enterprise Single Sign-On.

This monitoring group includes EBIZ_BizTalkServerServices policy.

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BizTalkServerServices

The EBIZ_BizTalkServerServices policy monitors the following BizTalk Server 2006 services:

- BizTalk Server Application Service

- BizTalk RuleEngineUpdate Service

- Enterprise Single Sign-On

Schedule: This policy runs for every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Biztalk Server** ➞ **Biztalk Server 2006** ➞ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

Performance Monitoring

Biztalk Server performance monitoring includes both specific BizTalk Server performance counters and CPU process-related counters. Each policy for performance monitoring has both error and warning thresholds.

Policies monitor the following areas of performance:

- CPU Usage

- Memory Usage
  The policies under performance monitoring include:

- EBIZ_BS-MEMUsage-BTSSvc

- EBIZ_BS-CPUUsage-BTSSvc

- EBIZ_BS-MEMUsage-ENTSSO

- EBIZ_BS-CPUUsage-ENTSSO

- MSES_SendPort_Status_Monitoring

- MSES_ReceiveLocation_Status_Monitoring

- MSES_BS_ DocumentsReceived

- MSES_BS_DocumentsSuspended

- MSES_BS_DatabaseTransactions

- MSES_BS_ActiveApplicationDomains

- MSES_BS_DehydrationThreshold

- MSES_BS_IdleOrchestrations

- MSES_BS_MsgBox DBConnFailures

- MSES_BS_OrchestrationsCompleted

- MSES_BS_OrchestrationsCreated

- MSES_BS_OrchestrationsDehydrated

- MSES_BS_OrchestrationsDiscarded

- MSES_BS_OrchestrationsRehydrated

- MSES_BS_OrchestrationsResidentMemory

- MSES_BS_OrchestrationsScheduledForDehydration

- MSES_BS_OrchestrationsSuspended

- MSES_BS_RunningOrchestrations

- MSES_Orchestration_Status_Monitoring

- MSES_BS_PendingMessages

- MSES_BS_PendingWorkItems

- MSES_BS_TransactionalScopes aborted

Related Topics:

- Availability Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BS-MEMUsage-BTSSvc

The EBIZ_BS-MEMUsage-BTSSvc policy measures the memory usage of the Microsoft BizTalk Server Application services.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BS-CPUUsage-BTSSvc

The EBIZ_BS-CPUUsage-BTSSvc policy measures the CPU usage of the Microsoft BizTalk Server Application services.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BS-MEMUsage-ENTSSO

The EBIZ_BS-MEMUsage-ENTSSO policy measures the memory usage of Enterprise Single Sign-On service.

Policy Type: Measurement Threshold

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BS-CPUUsage-ENTSSO

The EBIZ_BS-CPUUsage-ENTSSO policy measures the CPU usage of Enterprise Single Sign-On service.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_SendPort_Status_Monitoring

The MSES_SendPort_Status_Monitoring policy monitors the status of the SendPorts in the Microsoft BizTalk Server.

*Policy Type:*Scheduled Task

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_ReceiveLocation_Status_Monitoring

The MSES_ReceiveLocation_Status_Monitoring policy monitors the status of the ReceiveLocations of BizTalk Server.

*Policy Type:*Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_BS_ DocsProcessed

The MSES_BS_ DocsProcessed policy monitors the average number of documents processed (pulled from the Work queue and sent to a port destination address) per second, since the last time the BizTalk Messaging Service was started.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_ DocReceived

The MSES_BS_ DocReceived policy monitors the average number of documents received per second by BizTalk Server. This includes all documents that make it into the Work queue, and any that have failed.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_DocsSuspended

The MSES_BS_DocsSuspended policy monitors the average number of items suspended per second in the suspended queue.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_DBTransactions

The MSES_BS_DBTransactions policy monitors the average number of database transactions performed since the host instance started.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_ActiveAppDomains

The MSES_BS_ActiveAppDomains policy monitors the number of application domains currently existing for hosting orchestrations.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_DehydrationThreshold

The MSES_BS_DehydrationThreshold policy monitors the number in milliseconds that determines how aggressively orchestrations are being dehydrated. If the orchestration engine predicts that an

instance is dehydratable (storing all the instance-specific data in the database and removing the instance from the memory), for an amount of time longer than the threshold value, it dehydrates the instance.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➤ **en** ➤ **Biztalk Server** ➤ **Biztalk Server 2006** ➤ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_IdleOrchestrations

The MSES_BS_IdleOrchestrations policy monitors the number of idle orchestration instances currently hosted by the host instance. This refers to orchestrations that are not making progress but are not also dehydratable, as when the orchestration is blocked waiting for a receive, listen, or delay in an atomic transaction.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➤ **en** ➤ **Biztalk Server** ➤ **Biztalk Server 2006** ➤ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsCompleted

The MSES_BS_OrchestrationsCompleted policy monitors the average number of orchestration instances completed per second since the host instance started.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➤ **en** ➤ **Biztalk Server** ➤ **Biztalk Server 2006** ➤ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsCreated

The MSES_BS_OrchestrationsCreated policy monitors the average number of orchestration instances per second created since the host instance started.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsDehydrated

The MSES_BS_OrchestrationsDehydrated policy monitors the average number of orchestration instances dehydrated per second since the host instance started.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsDiscarded

The MSES_BS_OrchestrationsDiscarded policy monitors the average number of orchestration instances discarded from memory since the host instance started. An orchestration can be discarded if the engine fails to persist its state.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2006 ➝ Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_BS_OrchestrationsRehydrated

The MSES_BS_OrchestrationsRehydrated policy monitors the average number of orchestration instances rehydrated per second (restoring the instance from the database to memory) since the host instance started.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2006 ➝ Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_BS_OrchestrationsResidentinMemory

The MSES_BS_OrchestrationsResidentinMemory policy monitors the number of orchestration instances currently hosted by the host instance.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsScheduledForDehydration

The MSES_BS_OrchestrationsScheduledForDehydration policy monitors the number of dehydratable orchestrations for which there is a dehydration request pending.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_OrchestrationsSuspended

The MSES_BS_OrchestrationsSuspended policy monitors the average number of orchestration instances suspended per second since the host instance started.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_RunningOrchestrations

The MSES_BS_RunningOrchestrations policy monitors the number of orchestration instances currently executing.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Biztalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_Orchestration_Status_Monitoring

The MSES_Orchestration_Status_Monitoring policy monitors the status of the orchestrations.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Biztalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_PendingMessages

The MSES_BS_PendingMessages policy monitors the number of received messages for which receipt has not yet been acknowledged to the message box.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_BS_PendingWorkItems

The MSES_BS_PendingWorkItems policy monitors the number of code execution blocks that are scheduled for execution.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring
- Server Logging
- Discovery

MSES_BS_TransactionalScopesAborted

The MSES_BS_TransactionalScopesAborted policy monitors the number of long-running or atomic scopes that have been aborted since the host instance started.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BTS_Logging_RuleEngineUpdate

The MSES_BTS_Logging_RuleEngineUpdate policy logs the performance data for BizTalk Server 2006 Rule Engine Update Service.

Note:
 Ensure to deploy the MSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **BizTalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BTS_Logging_ENTSSO

The MSES_BTS_Logging_ENTSSO policy logs the performance data for BizTalk Server 2006 ENTSSO.

Note:
 Ensure to deploy theMSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **BizTalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BTS_Logging_BaseEDI

The MSES_BTS_Logging_BaseEDI policy logs the performance data for BizTalk Server 2006 Base EDI Service.

Note:
 Ensure to deploy the MSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **BizTalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BTS_Logging_ApplicationService

The MSES_BTS_Logging_ApplicationService policy logs the performance data for BizTalk Server 2006 Application Service.

Note:
 Ensure to deploy theMSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **BizTalk Server** ➝ **Biztalk Server 2006** ➝ **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

Windows Event Log

The Windows Event Log policies sent alert messages to the HPOM console when errors, warnings, and information entries from BizTalk Server sources are logged.

Policies monitoring events are grouped in the following way:

- BizTalk Server

- XLANG Scheduler

The Windows Event Log group includes EBIZ_BizTalkServerFwdApplicationLogEntries policy.

Related Topics:

- Performance Monitoring

- Availability Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

EBIZ_BizTalkServerFwdApplicationLogEntries

The EBIZ_BizTalkServerFwdApplicationLogEntries policy forwards all BizTalk Server 2006 application log entries with severity as:

- Critical

- Error

- Warning

- Information

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

Database Connectivity

The Database Connectivity attempts to connect if the databases fails.

This monitoring group includes the following policies:

- MSES_BS_DBMonitor

- MSES_BizTalk_MessageBox_DatabaseSize

- "MSES_BizTalk_DTA_DatabaseSize"

- "MSES_BS_MsgBox DBConnectionFailures "

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Availability Monitoring

- Server Logging

- Discovery

MSES_BS_DBMonitor

The MSES_BS_DBMonitor policy send a message to the HPOM message browser if any of the following databases fail to connect. An OPC message is sent to refresh the service map with this information. Connections to the following BizTalk 2006 databases are monitored:

- BAMPrimaryImport - Business Activity Monitoring DB

- BAM Analysis - Business Activity Monitoring OLAP Cubes DB

- BAMStarSchema - Business Activity Monitoring DB

- BAMArchive - Archives Business Activity Monitoring DB

- BizTalkHWSDb - Human Workflow Services DB

- BizTalkDTADb - Tracking DB

- BizTalkMgmtDB BTS - Configuration Information DB

- BizTalkMsgBoxDb - DB for storing Messages and subscriptions

- BizTalkRuleEngineDb - DB for storing Policies and Vocabularies

- SSODB - Single Sign-On DB

- TPM - Trading Partner DB for Business Activity Services

- BizTalkAnalysisdb - DB for storing business and health monitoring OLAP Cubes

- BizTalkEDIdb - Electronic data interchange DB

*Policy Type:*Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Auto-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BS_MsgBox DBConnectionFailures

The MSES_BS_MsgBox DBConnectionFailures policy monitors the number of attempted database connections that failed since the host instance started.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BizTalk_MessageBox_DatabaseSize

The MSES_BizTalk_MessageBox_DatabaseSize policy monitors the percentage of the usage of the BizTalk MessageBox database.

Deploy this policy only on BizTalk MessageBox database nodes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BizTalk_DTA_DatabaseSize

The MSES_BizTalk_DTA_DatabaseSize policy monitors the the percentage of the usage of the BizTalk DTA database.

Deploy this policy only on BizTalk database node.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Manual-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

Server Logging

The Server Logging monitoring group collects selected performance and process-related data for CPU and memory counters.

This monitoring group includes the following policies:

- MSES_BizTalkServer_SusDoc_Logging

- MSES_BizTalk_IntervalCount_Logging

- MSES_BizTalk_TDDS_Logging

- MSES_BTS_Logging_ApplicationService

- MSES_BTS_Logging_ENTSSO

- MSES_BTS_Logging_BaseEDI

- MSES_BTS_Logging_RuleEngineUpdate

Note:
You must run the Create Datasource for BizTalk Server tool before deploying the other policies to create the datasource.

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Availability Monitoring

- Discovery

MSES_BizTalk_Create_Coda_DataSources

The MSES_BizTalk_Create_Coda_DataSources policy creates the CODA interval count data source for BizTalk 2006 server.

ⓘ**Note:**
 Deploy the Microsoft Enterprise Servers SPI Data collector instrumentation for this policy to work. See Basic Configuration Procedure section of *HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Installation and Configuration Guide* for more details.
*Policy Type:*Scheduled task policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Biztalk Server** ➝ **Biztalk Server 2006** ➝ **Auto-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BizTalkServer_SusDoc_Logging

The MSES_BizTalkServer_SusDoc_Logging policy collects suspended documents data from the BizTalk Server database and logs it into the data source.

ⓘ**Note:**
Ensure to deploy the MSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Biztalk Server** ➝ **Biztalk Server 2006** ➝ **Auto-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BizTalk_IntervalCount_Logging

The MSES_BizTalk_IntervalCount_Logging policy collects the performance data for the following three BizTalk 2006 objects:

- BizTalk:Messaging

- Enterprise Single Sign On

- XLANG/s Orchestrations

Note:
Ensure to deploy the MSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Biztalk Server** ➞ **Biztalk Server 2006** ➞ **Auto-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

MSES_BizTalk_TDDS_Logging

The MSES_BizTalk_TDDS_Logging policy collects the performance data for BizTalk TDDS (Tracking Data Decode Service), and logs it into the data source.

Note:
Ensure to deploy the MSES_BizTalk_CreateCodaSources policy before deploying this policy.
*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Biztalk Server** ➞ **Biztalk Server 2006** ➞ **Auto-Deploy**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

Discovery

The Discovery monitoring group discovers the services of the Microsoft BizTalk Server 2006.

This monitoring group includes the BizTalk_Discovery policy.

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Availability Monitoring

BizTalk_Discovery

The BizTalk_Discovery policy discovers the BizTalk infrastructure information and adds it to the service map.

Policy Type: Service Auto-Discovery policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Biztalk Server** → **Biztalk Server 2006** → **Discovery**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Database Connectivity Monitoring

- Server Logging

- Discovery

BizTalk Server 2006 Reports

The Microsoft Enterprise Servers SPI offers the following reports for Microsoft Enterprise Servers (BizTalk Server 2006) SPI:

BTS Document Process Rate Monthly/BTS Document Process Rate Weekly

These reports give the summarization of the following monthly/weekly statistics related to the BizTalk Documents:

- **Documents processed/sec**: Integer representing the average number of documents processed per second, that is, pulled from the Work queue and sent to a port destination address.

- **Documents received/sec**: Integer representing the average number of documents that have been received by BizTalk Server per second. This includes all documents that make it into the Work queue and any that have failed.

- **Documents suspended/sec**: Integer representing the average number of items suspended in the Suspended queue per second.

BTS Processes CPU Statistics

The BTS Process CPU Statistics report shows a summary of CPU statistics of BizTalk Server processes, compared with overall CPU statistics of the system, in graphical and tabular formats. The summarized process statistics include the percentage of CPU time used by BizTalk Server Application Service, Enterprise SSO (Single Sign On) Service, Rule Engine Update Service, BizTalk Base EDI Service processes compared with the percentage of time the system CPU was busy. This report has the following counters:

- Process. % Processor Time (BTSNTSvc, ENTSSO, RuleEngineUpdateService, esp_srv)

- Process.Thread Count (BTSNTSvc, ENTSSO, RuleEngineUpdateService, esp_srv)

BTS Processes Memory Statistics

The BTS Processes Memory Statistics report shows summary of memory statistics of BizTalk Server processes in graphical and tabular formats. The summarized process statistics include the page faults per second, private bytes, and working set used by BizTalk Server Application Service, Enterprise SSO (Single Sign On) Service, Rule Engine Update Service, BizTalk Base EDI Service processes. This report has the following counters:

- Process.Private Bytes (BTSNTSvc, ENTSSO, RuleEngineUpdateService, esp_srv)

- Process.Working Set (BTSNTSvc, ENTSSO, RuleEngineUpdateService, esp_srv)

- Process.Page Faults/sec (BTSNTSvc, ENTSSO, RuleEngineUpdateService, esp_srv)

BTS Orchestration Statistics Monthly/BizTalk Orchestration Statistics Weekly

These reports give the summarization of the following statistics related to orchestrations:

- **Orchestrations completed/sec**: Average number of orchestrations completed per second.

- **Orchestrations created/sec**: Average number of orchestrations created per second.

- **Orchestrations dehydrated/sec**: Average number of orchestrations dehydrated per second.

- **Orchestrations discarded/sec**: Average number of orchestrations discarded per second.

- **Orchestrations rehydrated/sec**: Average number of orchestrations rehydrated per second.

- **Orchestrations suspended/sec**: Average number of orchestrations suspended per second.

- **Database transactions/sec**: Average number of database transactions per second.

BizTalk Transactional Rate Monthly/BizTalk Transactional Rate Weekly

A **scope** is a framework for grouping actions, primarily used for transactional execution and exception handling. **Compensation** is a process where a piece of code gets executed to undo or reverse the effects of a successfully committed transaction.

These reports give the monthly/weekly summarization of the following statistics related to transactions:

- **Transactional scopes aborted/sec**: Average number of long-running or atomic scopes that have been aborted.

- **Transactional scopes committed/sec**: Average number of long-running or atomic scopes that have successfully completed.

- **Transactional scopes compensated/sec**: Average number of long-running or atomic scopes that have successfully completed compensation scopes.

BTS Suspended Documents Monthly/BizTalk Suspended Documents Weekly

These reports give the weekly suspended document statistics, segregated by the following attributes:

- **State**: Documents that are in resumable and non-resumable states.

- **Server Name**: Processing server name.

- **Priority**: Document Priority.

BTS TDDS (Tracking Data Decode Service) Statistics

TDDS is also known as the BAM Event Bus Service. This report gives the monthly summarization of the following statistics related to TDDS:

- **Events being processed**: The number of events the BAM Event Bus Service is currently processing.

- **Batches being processed**: The number of batches the BAM Event Bus Service is currently processing.

- **Events Committed**: The number of events the BAM Event Bus Service has committed to SQL Server in the last second.

- **Records Committed**: The number of records the BAM Event Bus Service has committed to SQL Server in the last second.

- **Batches Committed**: The number of batches the BAM Event Bus Service has committed to SQL Server in the last second.

BTS Enterprise Single Sign-on - Monthly

This report gives the monthly summarization of the following statistics related to enterprise SSO:

- **GetConfigInfo/sec**: Total number of config info accessed.

- **IssueTicket/sec**: Total number of tickets issued.

- **GetCredentials/sec**: Total number of credentials accessed.

- **RedeemTicket/sec**: Total number of tickets redeemed.

- **ValidateandRedeemTicket/sec**: Total number of tickets validated and redeemed.

Related Topics:

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Graphs

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Policies

BizTalk Server 2006 Graphs

The following Microsoft Enterprise Servers SPI pre-defined graphs for BizTalk Server are offered:

- BizTalk Server Application Service CPU

- Enterprise Single Sign-On Service CPU

- Rule Engine Update Service CPU

These graphs represent the percentage of time spent by the processors executing threads for the BizTalk Server Application Service, Enterprise Single Sign-On Service and Rule Engine Update Service processes. This counter can be compared to System Processor Time to determine to what extent these processes are utilizing processor time.

- BizTalk Server Application Service Memory

- Enterprise Single Sign-On Service Memory

- Rule Engine Update Service Memory

Page Fault
Page Faults/sec represents the rate page faults occur in the threads executing in the BizTalk Server Application Service, Enterprise Single Sign-On Service and Rule Engine Update process. A page fault occurs when a thread refers to a virtual memory page that is not in its working set in main memory. The graph shows the average rate at which page faults occur, by the threads executing in these processes.

Working Set
Working Set represents the number of bytes in the working set of the BizTalk Server Application Service, Enterprise Single Sign-On Service and Rule Engine Update Service process. The Working Set is the set of memory pages touched recently by the threads in the process. If free memory in the computer is above a certain threshold, pages are left in the working set of a process even if they are not in use. When free memory falls below a certain threshold, pages are trimmed from working sets. If they are needed, they are then soft-faulted back into the working set before they leave main memory.

Private Bytes

Private Bytes is the current number of bytes the BizTalk Server Application Service, Enterprise Single Sign-On Service and Rule Engine Update process has allocated that cannot be shared with other processes.

Related Topics:

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Reports

- Microsoft Enterprise Servers SPI BizTalk Server 2006 Policies

Chapter 3

Microsoft Enterprise Servers SPI - BizTalk Server 2010

Overview

Microsoft BizTalk Server 2010 provides distributed application integration services using XML as its primary messaging format. External formats are converted to the BizTalk standards through parsers and Biztalk mapping services, which are components of BizTalk Messaging Services. The Biztalk Orchestration Designer defines the process that a document undergoes. In BizTalk messaging,channels handle the conversion of external formats, and ports are responsible for transmitting documents. The channels and ports in Biztalk Messaging can be configured to receive and transmit documents in a variety of formats and protocols, such as HTTP, HTTPS, SMTP, COM. In Orchestration services, the ports represent the input and output of a process. The action is defined in the XLANG schedule.

The Microsoft Enterprise Servers SPI monitors the availability and performance of BizTalk Server 2010 using policies, tools, graphs, and reports.

The Microsoft Enterprise Servers BizTalk Server SPI requires additional configuration. You can use the MSES_BTS_DB_Configuration tool to configure the Microsoft Enterprise Servers SPI for BizTalk Server 2010. For more information, see the *HP Operations Smart Plug-in for Microsoft Enterprise Servers SPI Installation and Configuration Guide.*

Microsoft Enterprise Servers SPI Biztalk 2010 Policies

The Microsoft Enterprise Servers SPI BizTalk 2010 policies monitor the services, availability, and performance of the BizTalk Server 2010 in the environment. The Microsoft Enterprises SPI comprises of the policy groups:

- Availability
- Discovery
- Document Processing
- File Receive Adapter
- Message Box
- Messaging
- Orchestration Engine
- Performance

- Sharepoint Adapter
- TDDS

SPI Policies - Metrics and Collection

The metrics assess the availability and performance of BizTalk Server 2010. The main source of these metrics are performance counters. Each metric is assigned a unique Metric ID. The Microsoft Enterprise Servers SPI monitors these metrics and sends alerts if the metric value exceeds the specified threshold. For monitoring a particular Metric ID, a set of three policies are used:

- BTS_<METRIC_ID> - This measurement threshold policy generates alerts when the collected value exceeds the threshold.
- BTS_SCH_<METRIC_ID> - This schedule task policy specifies the schedule for the BTS_<METRIC_ID> policy.
- BTS_CFG_<METRIC_ID> - This is a config file policy which contains the thresholds for the BTS_<METRIC_ID>.

A collection is group of metrics from the same source. These collections are logged into an approriate data store. Each Collection is associated with a collection ID. For collecting and logging a <COLLECTION_ID>, a separate policy is used:

- BTS_SCH_<COLLECTION_ID> - This is a schedule task policy which identifies the schedule when the <COLLECTION_ID> is to be collected and logged to the data store.

> **Note:** Metrics and Collections are defined in BTS_MetricDef.xml.

Availability

The Availability policy group contains policies that monitor the status of Biztalk Server 2010 services. The following sections describes the policies for this policy group.

Metrics Monitored

The Availability policy group contains policies for monitoring as described in the following sections.

Metric ID: 841402

Metric Name	ESSO_STAT
Description	This policy monitors the Enterprise Single Sign On Service.
Metric Definition	ServiceName: ENTSSO

Measurement Threshold Policy	BTS_841402
ConfigFile Policy	BTS_CFG_841402
Scheduled Task Policy for Alerting	BTS_SCH_841402
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Availability

Metric ID: 841403

Metric Name	BTSNT_STAT
Description	This policy monitors the status of all BizTalk Application Services.
Metric Definition	ServiceName:BTSSvc$*
Meas-urement Threshold Policy	BTS_841403
ConfigFile Policy	BTS_CFG_841403
Scheduled Task Policy for Alerting	BTS_SCH_841403
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Availability

Metric ID: 841404

Metric Name	RULEENGINE_STAT

Description	This policy monitors the status of the Rule Engine Update Service.
Metric Definition	ServiceName: RuleEngineUpdateService
Meas- urement Threshold Policy	BTS_841404
ConfigFile Policy	BTS_CFG_841404
Scheduled Task Policy for Alerting	BTS_SCH_841404
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Availability

Metrics Logged

The Availability policy group contains policies for logging as described in the following sections.

Collection ID: 840014

Collection Name	BTS_SERVSTAT
Description	This policy collects and logs the status of BizTalk services. The collected data is logged to class BTS_SERVSTAT.
Collection Definition	Performance Object: Biztalk:TDDS Service Name: ENTSSO Service Name: BTSSvc$* Service Name: Rule Engine Update Service Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840014

Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Availability

Event Log Policies

The availability policy group contains policies that monitor the BizTalk events. These policies can be accessed from the following location:

Policy Group: SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Availability

This policy group contains a set of event log policies.

BTS_Fwd_Application_Errors

This policy forwards all the BizTalk errors reported in the Windows event log.

BTS_Fwd_Application_Warning

This policy forwards all the BizTalk warnings reported in the Windows event log.

Discovery

The Discovery policy group contains policies that discover BizTalk Server 2010 in the environment and updates the service map in the management console.

BTS_Discovery

The BTS_Discovery policy discovers the BizTalk 2010 servers in the environment and displays it in the service map.

Policy Type	Service Auto-Discovery
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Discovery

BTS_Cluster_Re_Discovery

The BTS_Cluster_Re_Discovery policy updates the service map when a cluster failover occurs.

Policy Type	Windows Event Log

Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Discovery

Document Processing

The Document Processing policy group contains policies that collects and logs performance data related to BizTalk Document Processing. The following sections describes the policies for this policy group.

Metrics Logged

The Document Processing policy group contains policies for logging as described in the following sections.

Collection ID: 840012

Collection Name	BTS_DOCPROCRATE
Description	This policy collects and logs performance metrics related to Document Processing.
Collection Definition	Performance Object: Biztalk: Messaging Performance Counter: Documents processed Performance Counter: Documents processed/Sec Performance Counter: Documents received Performance Counter: Documents resubmitted Performance Counter:Documents received/Sec Performance Counter:Documents suspended Performance Counter:Documents suspended/Sec Performance Counter:Documents transmitted/Batch Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840012

Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Document Processing

File Receive Adapter

The File Receive Adapter policy group contains policies that collect and monitor the performance metrics of the File Receive Adapter. The following sections describes the policies for this policy group.

Metrics Monitored

The File Receive Adapter policy group contains policies for monitoring as described in the following sections.

Metric ID: 841502

Metric Name	BTS_RECDELRET
Description	Monitors the number of times the File Receive Adapter attempts to delete a file that is read.
Metric Definition	PerfObject:BizTalk: FILE Receive Adapter PerfCounter: Delete retries PerfInstance:*
Measurement Threshold Policy	BTS_841502
ConfigFile Policy	BTS_CFG_841502
Scheduled Task Policy for Alerting	BTS_SCH_841502
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → File Receive Adapter

Metric ID: 841503

Metric Name	BTS_RECLCKFAIL
Description	Monitors the number of times the File Receive Adapter failed to lock the file per second.
Metric Definition	PerfObject:BizTalk:FILE Receive Adapter PerfCounter:Lock failures/sec PerfInstance:*
Meas-urement Threshold Policy	BTS_841503
ConfigFile Policy	BTS_CFG_841503
Scheduled Task Policy for Alerting	BTS_SCH_841503
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2010 ➝ File Receive Adapter

Metrics Logged

The File Receive Adapter policy group contains policies for logging as described in the following sections.

Collection ID: 840015

Collection Name	BTS_FILERECPERF
Description	This policy collects and logs performance metrics related to file receive adapter.

Collection Definition	Performance Object:BizTalk: FILE Receive Adapter
	Performance Counter:Delete retries
	Performance Counter:Lock failures/sec
	Performance Counter:Bytes received/Sec
	Performance Counter:Messages received/Sec
	Performance Counter:Time to build batch
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840015
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ FileReceiveAdapter

Message Box

The Message Box policy group contains policies that collect and monitor the performance metrics of BizTalk Message Box. The following sections describes the policies for this policy group.

Metrics Monitored

The Message Box policy group contains policies for monitoring as described in the following sections.

Metric ID: 841002

Metric Name	BTS_MSGSPOOLSIZE
Description	This policy monitors the Message Box Spool Size of a particular Message Box on the Biz Talk Server. An increasing spool size indicates that the messages are being picked up at a slower rate and throughput comes down.

Metric Definition	Performance Object: BizTalk: Message Box:General Counters
	Performance Counter:Spool Size
	Performance Instance:*
Meas- urement Threshold Policy	BTS_841002
ConfigFile Policy	BTS_CFG_841002
Scheduled Task Policy for Alerting	BTS_SCH_841002
Schedule	10 min
Policy Group	SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2010 ➝ Message Box

Metric ID: 845002

Metric Name	BTS_MSGSQUELEN
Description	Monitors the message box queue length and checks the number of messages in the particular host queue.A build up in host queue length indicates that the orchestrations are not completing faster.
Metric Definition	Performance Object: BizTalk: Message Box:Host Counters
	Performance Counter:Host Queue - Length
	Performance Instance:*
Meas- urement Threshold Policy	BTS_845002
ConfigFile Policy	BTS_CFG_845002

Scheduled Task Policy for Alerting	BTS_SCH_845002
Schedule	10 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Message Box

Metric ID: 845005

Metric Name	BTS_MSGSUSQLEN
Description	This policy monitors the total number of suspended message for a particular host. An increase in message suspension indicates that there are problems in message processing.
Metric Definition	Performance Object: BizTalk: Message Box:Host Counters Performance Counter:Host Queue - Suspended Msgs - Length Performance Instance:*
Meas-urement Threshold Policy	BTS_845005
ConfigFile Policy	BTS_CFG_845005
Scheduled Task Policy for Alerting	BTS_SCH_845005
Schedule	10 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Message Box

Metrics Logged

The Message Box policy group contains policies for logging as described in the following sections.

Collection ID: 840001

Metric Name	BTS_MBSTATGEN
Description	This policy collects and logs performance metrics related to Message Box.
Collection Definition	Performance Object:BizTalk: Message Box:General Counters Performance Counter:Spool Size Performance Counter:Tracking Data Size Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840001
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Message Box

Collection ID: 840005

Metric Name	BTS_MBSTATHOST
Description	This policy collects and logs Host Metrics related to Message Box.
Collection Definition	Performance Object:BizTalk: Message Box:Host Counters Performance Counter:Host Queue - Length Performance Counter:Host Queue - Number of Instances Performance Counter:Host Queue - Instance State Msg Refs - Length Performance Counter:Host Queue - Suspended Msgs - Length Performance Instance: *

Schedule Task Policy for Logging	BTS_SCH_840005
Collection Interval	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Message Box

Messaging

The Messaging policy group contains policies that collect and monitor the performance metrics of the BizTalk Messaging Engine. The following sections describes the policies for this policy group.

Metrics Monitored

The Messaging policy group contains policies for monitoring as described in the following sections.

Metric ID: 843002

Metric Name	BTS_DELIVTHROTST
Description	This policy monitors the throttling state of the message delivery and generates appropriate message for each state.
Metric Definition	Performance Object:BizTalk :Message Agent Performance Counter:Message delivery throttling state Performance Instance:*
Measurement Threshold Policy	BTS_843002
ConfigFile Policy	BTS_CFG_843002
Scheduled Task Policy for Alerting	BTS_SCH_843002
Schedule	10 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 843003

Metric Name	BTS_DELIVDELAY

Description	This policy monitors the delay injected in each qualifying batch for throttling the delivery of messages.
Metric Definition	Performance Object: BizTalk: Message Agent Performance Counter:Message delivery delay (ms) Performance Instance:*
Measurement Threshold Policy	BTS_843003
ConfigFile Policy	BTS_CFG_843003
Scheduled Task Policy for Alerting	BTS_SCH_843003
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 843004

Metric Name	BTS_DELIVTHRODUR
Description	This policy monitors the seconds spent in the current state of message delivery throttling.
Metric Definition	Performance Object: BizTalk: Message Agent Performance Counter:Message delivery throttling state duration Performance Instance:*
Measurement Threshold Policy	BTS_843004
ConfigFile Policy	BTS_CFG_843004
Scheduled Task Policy for Alerting	BTS_SCH_843004
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 844002

Metric Name	BTS_MSGPUBDEL

Description	This policy monitors the delay injected in each qualifying batch for throttling the publishing of messages.
Metric Definition	Performance Object: BizTalk:Message Agent Performance Counter:Message publishing delay (ms) Performance Instance:*
Measurement Threshold Policy	BTS_844002
ConfigFile Policy	BTS_CFG_844002
Scheduled Task Policy for Alerting	BTS_SCH_844002
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 844003

Metric Name	BTS_MSGPUBTHROT
Description	This policy monitors the message publishing throttling state.
Metric Definition	Performance Object: BizTalk:Message Agent Performance Counter:Message publishing throttling state Performance Instance:*
Measurement Threshold Policy	BTS_844003
ConfigFile Policy	BTS_CFG_844003
Scheduled Task Policy for Alerting	BTS_SCH_844003
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 844004

Metric Name	BTS_MSGPUBTHROTDUR

Description	This policy monitors the seconds spent in the current state of message publishing throttling.
Metric Definition	Performance Object: BizTalk:Message Agent Performance Counter:Message publishing throttling state duration Performance Instance:*
Measurement Threshold Policy	BTS_844004
ConfigFile Policy	BTS_CFG_844004
Scheduled Task Policy for Alerting	BTS_SCH_844004
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 846002

Metric Name	BTS_MSGOUTLAT
Description	This policy monitors the outbound latency of Biztalk Messaging Engine.
Metric Definition	Performance Object: BizTalk: Messaging Latency Performance Counter:Outbound Latency (sec) Performance Instance:*
Measurement Threshold Policy	BTS_846002
ConfigFile Policy	BTS_CFG_846002
Scheduled Task Policy for Alerting	BTS_SCH_846002
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Metric ID: 846004

Metric Name	BTS_MSGINLAT

Description	This policy monitors the Inbound Messaging Latency of the BizTalk Messaging Engine.
Metric Definition	Performance Object: BizTalk:Messaging Latency Performance Counter:Inbound Latency (sec) Performance Instance:*
Measurement Threshold Policy	BTS_846004
ConfigFile Policy	BTS_CFG_846004
Scheduled Task Policy for Alerting	BTS_SCH_846004
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Messaging

Metric ID: 846005

Metric Name	BTS_MSGOUTAD
Description	This policy monitors the outbound adapter latency of the BizTalk Messaging Engine.
Metric Definition	Performance Object: BizTalk:Messaging Latency Performance Counter:Outbound Adapter Latency (sec) Performance Instance:*
Measurement Threshold Policy	BTS_846005
ConfigFile Policy	BTS_CFG_846005
Scheduled Task Policy for Alerting	BTS_SCH_846005
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Messaging

Metric ID: 848002

Metric Name	BTS_REQRESTO

Description	This policy monitors the request response timeout of the BizTalk Messaging Engine.
Metric Definition	Performance Object:BizTalk:Messaging Performance Counter:Request/Response timeouts Performance Instance:*
Measurement Threshold Policy	BTS_848002
ConfigFile Policy	BTS_CFG_848002
Scheduled Task Policy for Alerting	BTS_SCH_848002
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Messaging

Metrics Logged

The Messaging policy group contains policies for logging as described in the following sections.

Collection ID: 840003

Metric Name	BTS_MSGDELIVERY
Collection Description	This policy collects and logs performance metrics related to Message Delivery.

Collection Definition	Performance Object: BizTalk: Message Agent
	Performance Counter:Message delivery throttling state
	Performance Counter:Message delivery delay (ms)
	Performance Counter:Message delivery throttling state duration
	Performance Counter:Message delivery incoming rate
	Performance Counter:Message delivery outgoing rate
	Performance Counter:Total messages delivered
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840003
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Collection ID: 840004

Metric Name	BTS_MSGPUBLISHING
Collection Description	This policy collects and logs metrics related to Message Publishing.

Collection Definition	Performance Object: BizTalk: Message Agent
	Performance Counter: Message publishing delay (ms)
	Performance Counter: Message publishing throttling state
	Performance Counter: Message publishing throttling state duration
	Performance Counter: Message publishing incoming rate
	Performance Counter: Message publishing outgoing rate
	Performance Counter:Total messages published
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840004
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Collection ID: 840006

Metric Name	BTS_MSGLATENCY
Collection Description	This policy collects and logs metrics related to Message Latency.

Collection Definition	Performance Object: BizTalk: Messaging Latency
	Performance Counter:Outbound Latency (sec)
	Performance Counter:Request-Response Latency (sec)
	Performance Counter:Inbound Latency (sec)
	Performance Counter:Outbound Adapter Latency (sec)
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840006
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Messaging

Collection ID: 840008

Metric Name	BTS_MSGINGPERF
Collection Description	This policy collects and logs metrics related to Messaging Performance.

Collection Definition	Performance Object:BizTalk:Messaging
	Performance Counter:Request/Response timeouts
	Performance Counter:Active receive locations
	Performance Counter:Active receive threads
	Performance Counter:Active send messages
	Performance Counter:Active send threads
	Performance Counter:Pending receive batches
	Performance Counter:Pending transmitted messages
	PerformanceCounter:Throttled receive batches
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840008
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Messaging

Orchestration Engine

The following section describes the policies for this policy group.

Metrics Monitored

The Orchestration Engine policy group contains policies for logging as described in the following sections.

Metric ID: 842002

Metric Name	BTS_BATCHFACT
Description	This metric monitors the average batch factor.

Metric Definition	Performance Counter:Average batch factor
	Performance Counter:Orchestrations discarded
	Performance Instance:*
Meas-urement Threshold Policy	BTS_842002
ConfigFile Policy	BTS_CFG_842002
Scheduled Task Policy for Alerting	BTS_SCH_842002
Schedule	10 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Metric ID: 842005

Metric Name	BTS_ORCHIDLE
Description	This metric monitors the number of idle orchestrations.
Metric Definition	Performance Object:XLANG//s Orchestrations
	Performance Counter:Idle orchestrations
	Performance Instance:*
Meas-urement Threshold Policy	BTS_842005
ConfigFile Policy	BTS_CFG_842005
Scheduled Task Policy for Alerting	BTS_SCH_842005
Schedule	15 min

Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Metric ID: 842012

Metric Name	BTS_ORCHDISC
Description	This metric monitors the rate of dehydration of orchestrations.
Metric Definition	Performance Object:XLANG//s Orchestrations Performance Counter:Orchestrations dehydrated/sec Performance Instance:*
Measurement Threshold Policy	BTS_842012
ConfigFile Policy	BTS_CFG_842012
Scheduled Task Policy for Alerting	BTS_SCH_842012
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Metric ID: 842013

Metric Name	BTS_ORCHDEHYSEC
Description	This metric monitors the rate of orchestrations discarded.
Metric Definition	Performance Object:XLANG//s Orchestrations Performance Counter:Orchestrations discarded Performance Instance:*

Meas-urement Threshold Policy	BTS_842013
ConfigFile Policy	BTS_CFG_842013
Scheduled Task Policy for Alerting	BTS_SCH_842013
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2010 ➝ Orchestration Engine

Metric ID: 842018

Metric Name	BTS_ORCHSUSPSEC
Description	This metric monitors the rate of orchestrations discarded.
Metric Definition	Performance Object:XLANG//s Orchestrations Performance Counter:Orchestrations suspended/sec Performance Instance:*
Meas-urement Threshold Policy	BTS_842018
ConfigFile Policy	BTS_CFG_842018
Scheduled Task Policy for Alerting	BTS_SCH_842018
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2010 ➝ Orchestration Engine

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Metric ID: 842021

Metric Name	BTS_TRANSABORT
Description	This metric monitors the average number of transactions aborted.
Metric Definition	Performance Object:XLANG//s Orchestrations Performance Counter:Transactional scopes aborted/sec Performance Instance:*
Meas-urement Threshold Policy	BTS_842021
ConfigFile Policy	BTS_CFG_842021
Scheduled Task Policy for Alerting	BTS_SCH_842021
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Metric ID: 842023

Metric Name	BTS_MSGDBCONFAIL
Description	This metric monitors the MessageBoxDB Connection Failures and checks the number of attempted database connections that failed since the host instance started.
Metric Definition	Performance Object:XLANG//s Orchestrations Performance Counter:MessageBox databases connection failures Performance Instance:*

Meas-urement Threshold Policy	BTS_842023
ConfigFile Policy	BTS_CFG_842023
Scheduled Task Policy for Alerting	BTS_SCH_842023
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Metrics Logged

The Orchestration Engine policy group contains policies for logging as described in the following sections.

Collection ID: 840002

Metric Name	BTS_ORCHPERF
Description	This policy collects and logs performance metrics related to Orchestrations

Collection ID: 840002

Collection Definition	Performance Object:XLANG/s Orchestrations
	Performance Counter:Average batch factor
	Performance Counter:Database transactions
	Performance Counter:Database transactions/sec
	Performance Counter:Idle orchestrations
	Performance Counter:Online MessageBox databases
	Performance Counter:Orchestrations completed
	Performance Counter:Orchestrations completed/sec
	Performance Counter:Orchestrations created
	Performance Counter:Orchestrations created/sec
	Performance Counter:Orchestrations dehydrated
	Performance Counter:Orchestrations dehydrated/sec
	Performance Counter:Orchestrations discarded
	Performance Counter:Orchestrations discarded/sec
	Performance Counter:Orchestrations rehydrated
	Performance Counter:Orchestrations rehydrated/sec
	Performance Counter:Orchestrations suspended
	Performance Counter:Orchestrations suspended/sec
	Performance Counter:Orchestrations resident in-memory
	Performance Counter:Running orchestrations

	Performance Counter:Transactional scopes aborted/sec
	Performance Counter:Transactional scopes committed/sec
	Performance Counter:MessageBox databases connection failures
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840002
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Orchestration Engine

Performance

The following sections describes the policies for this policy group.

Metrics Logged

The Performance policy group contains policies for logging as described in the following sections.

Collection ID: 840009

Collection Name	BTS_PROCESS
Collection Description	This metric collects and logs metrics related to BTSNTSVC Performance.

Collection Definition	Performance Object:Process
	Performance Counter:% Processor Time; Performance Instance: System
	Performance Counter:Thread Count; Performance Instance: BTSNTSVC
	Performance Counter:Page Faults/sec; Performance Instance: BTSNTSVC
	Performance Counter:Working Set; Performance Instance: BTSNTSVC
	PerfCounter:Private Bytes; PerfInstance: BTSNTSVC
Schedule Task Policy for Logging	BTS_SCH_840009
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Performance

Collection ID: 840010

Collection Name	BTS_PROCESS
Collection Description	This metric collects and logs metrics related to ENTSSO Performance
Collection Definition	Performance Object:Process
	Performance Counter: % Processor Time ; Performance Instance: ENTSSO
	Performance Counter: % Processor Time ; Performance Instance:System
	Performance Counter:Thread Count ; Performance Instance:ENTSSO
	Performance Counter:Page Faults/sec ; Performance Instance:ENTSSO
	Performance Counter:Working Set ; Performance Instance:ENTSSO
	Performance Counter:Private Bytes ; Performance Instance:ENTSSO
Schedule Task Policy for Logging	BTS_SCH_840010
Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Performance

Collection ID: 840011

Collection Name	BTS_PROCESS
Collection Description	This policy collects and logs metrics related to RuleEngineUpdateService Performance
Collection Definition	Performance Object:Process Performance Counter:% Processor Time ; Performance Instance:RuleEngineUpdateService Performance Counter:% Processor Time ; Performance Instance:System Performance Counter:Thread Count ;Performance Instance:RuleEngineUpdateService Performance Counter:Page Faults/sec Performance Instance:RuleEngineUpdateService Performance Counter:Working Set ; Performance Instance:RuleEngineUpdateService Performance Counter:Private Bytes ; Performance Instance:RuleEngineUpdateService
Schedule Task Policy for Logging	BTS_SCH_840011
Collection Schedule	15 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Performance

Sharepoint Adapter

The Sharepoint Adapter policy group contains the following policies:

Metrics Monitored

The Sharepoint Adapter policy group contains polices for monitoring as described in the following sections.

Metric ID: 847002

Metric Name	BTS_RECMSGFAIL

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Metric Description	Monitor SP Adapter Message Receive Failure and checks the percentage of Windows SharePoint Services files that are not processed by BizTalk Server due to receive errors
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter Performance Instance:* Performance Counter:% Receive Message Failures
Meas-urement Threshold Policy	BTS_847002
ConfigFile Policy	BTS_CFG_847002
Scheduled Task Policy for Alerting	BTS_SCH_847002
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Sharepoint Adapter

Metric ID: 847003

Metric Name	BTS_SENDMSGFAIL
Metric Description	Monitor SP Adapter Message Send Failure and checks the percentage of Windows SharePoint Services files that are not processed by BizTalk Server due to receive errors
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter Performance Instance:* Performance Counter:% Send Message Failures

Measurement Threshold Policy	BTS_847003
ConfigFile Policy	BTS_CFG_847003
Scheduled Task Policy for Alerting	BTS_SCH_847003
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Sharepoint Adapter

Metric ID: 847004

Metric Name	BTS_WEBSVCCALLFAIL
Metric Description	This policy monitors the SP Adapter WSVC Call Failure and checks the percentage of Windows SharePoint Services adapter Web service calls that have failed.
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter Performance Instance:* Performance Counter:% Web Service Call Failures
Measurement Threshold Policy	BTS_847004
ConfigFile Policy	BTS_CFG_847004
Scheduled Task Policy for Alerting	BTS_SCH_847004
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Sharepoint Adapter

Metric ID: 847005

Metric Name	BTS_RECCOMITFAIL
Metric Description	This policy monitors the SP Adapter Total Receive commit Failure and checks the total number of Windows SharePoint Services errors that were raised when updating the status of the SharePoint documents.
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter Performance Instance:* Performance Counter:Total Receive Commit Failures
Meas-urement Threshold Policy	BTS_847005
ConfigFile Policy	BTS_CFG_847005
Scheduled Task Policy for Alerting	BTS_SCH_847005
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ➝ en ➝ Biztalk Server ➝ Biztalk Server 2010 ➝ Sharepoint Adapter

Metric ID: 847006

Metric Name	BTS_RECVMSGFAIL
Metric Description	This policy monitors the SP Adapter Total Receive Message Failure and checks the total number of Windows SharePoint Services files received that have not been processed by BizTalk Server due to errors.

Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter
	Performance Instance:*
	Performance Counter:Total Receive Message Failures
Meas-urement Threshold Policy	BTS_847006
ConfigFile Policy	BTS_CFG_847006
Scheduled Task Policy for Alerting	BTS_SCH_847006
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ Sharepoint Adapter

Metric ID:847007

Metric Name	BTS_TTLSENDMSGFAIL
Metric Description	This policy monitors the SP Adapter Total Send Message Failure and checks the total number of failed messages BizTalk Server attempted to send to Windows SharePoint Services.
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter
	Performance Instance:*
	Performance Counter:Total Send Message Failures
Meas-urement Threshold Policy	BTS_847007
ConfigFile Policy	BTS_CFG_847007

Scheduled Task Policy for Alerting	BTS_SCH_847007
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Sharepoint Adapter

Metric ID: 847008

Metric Name	BTS_WEBSVCCALTOT
Metric Description	This policy monitors the SP Adapter Total WSVC Call Failure and checks the total number of Windows SharePoint Services adapter Web service calls that have failed.
Metric Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter Performance Instance:* Performance Counter:Total Web Service Call Failures
Measurement Threshold Policy	BTS_847008
ConfigFile Policy	BTS_CFG_847008
Scheduled Task Policy for Alerting	BTS_SCH_847008
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers → en → Biztalk Server → Biztalk Server 2010 → Sharepoint Adapter

Metrics Logged

The Sharepoint Adapter policy group contains polices for logging as described in the following sections.

Collection ID: 840007

Collection Name	BTS_SHRPERF
Collection Description	This policy collects and logs metrics related to Sharepoint Server
Collection Definition	Performance Object:BizTalk:Windows Sharepoint Services Adapter
	Performance Counter:% Receive Message Failures
	Performance Counter:% Send Message Failures
	Performance Counter:% Web Service Call Failures
	Performance Counter:Total Receive Commit Failures
	Performance Counter:Total Receive Message Failures
	Performance Counter:Total Send Message Failures
	Performance Counter:Total Web Service Call Failures
	Performance Counter:Total Sent Messages
	Performance Counter:Total Received Messages
	PerformanceCounter:Web Service Calls per Second
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840007
Collection Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ SharepointAdapter

Tracking Data Decode Services (TDDS)

The following sections describes the policies for this policy group.

Metrics Logged

The TDDS policy group contains polices for logging as described in the following sections.

Collection ID: 840013

Metric Name	BTS_TDDSSTAT
Description	This policy collects and logs performance metrics related to TDDS.
Collection Definition	Performance Object:Biztalk:TDDS
	Performance Counter:Total Batches
	Performance Counter:Total Events
	Performance Counter:Total Failed Batches
	Performance Counter:Total Failed Events
	Performance Counter:Total Records
	Performance Counter:Batches being processed
	Performance Counter:Events being processed
	Performance Counter:Records being processed
	Performance Counter:Batches Committed
	Performance Counter:Events Committed
	Performance Counter:Records Committed
	Performance Instance: *
Schedule Task Policy for Logging	BTS_SCH_840013
Schedule	5 min
Policy Group	SPI for Microsoft Enterprise Servers ⟶ en ⟶ Biztalk Server ⟶ Biztalk Server 2010 ⟶ TDDS

BizTalk Server 2010 Reports

The Microsoft Enterprise Servers SPI provides the following reports for Microsoft Enterprise Servers (BizTalk Server 2010) SPI.

BizTalk Server Document Processing Statistics

This is a weekly report which provides statistical summary of the documents processed by the BizTalk Server. The summarized document statistics include average number of Documents Processed, Received, Suspended, Re-Submitted and Transmitted for each day per BizTalk Server. These reports provide the summary of the following monthly and weekly statistics related to the BizTalk Documents. The following metric descriptions are displayed in this report:

- **Documents processed**: Represents the average number of documents processed, that is, pulled from the work queue and sent to a port destination address.

- **Documents received**: Represents the average number of documents that are received by the BizTalk Server. his includes all documents that are logged into the work queue and documents that have failed.

- **Documents suspended**: Represents the average number of documents that are suspended.

- **Documents Re-submitted:** Represents the average number of documents resubmitted y send adapters.

- **Documents Transmitted:** Represents the average number of documents transmitted per batch.

The schedule for this report is defined in the following policy :

Policy Name	BTS_SCH_840012
Class Name	BTS_DOCPROCRATE

-

Tracking Data Decode Statistics (TDDS) Statistics Report

This weekly report shows TDDS statistics for a BizTalk Server in graphical and tabular format. The summarization comprises of average number of TDDS Batches, Events, Failed Batches and Failed Events per day per BizTalk Server. This report provides the summary of the statistics of TDDS.

The summary report provides the following details:

- Events processed

- Events failed

- Number of batches processed

- Number of batches failed

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840013
Class Name	BTS_TDDSSTAT

BizTalk Server Processes CPU Statistics - Application Service

This report shows a summary of CPU statistics of BizTalk Server processes, compared with overall CPU statistics of the system, in graphical and tabular formats. The summarized process statistics include the percentage of CPU time used by BizTalk Server Application Service, compared with the percentage of time the system CPU was busy. This report has the following counters:

- **Process. % Processor Time** (BTSNTSvc) - CPU time used by the BizTalk Service

- **Process.Thread Count** (BTSNTSvc) - Thread count of the BizTalk service

- **System % Processor Time** - Total time the system's CPU was busy

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840009
Class Name	BTS_PROCESS

BizTalk Server Processes CPU Statistics - Enterprise Single Sign On (SSO) Service

This report shows a summary of CPU statistics of BizTalk Server processes, compared with overall CPU statistics of the system, in graphical and tabular formats. The summarized process statistics include the percentage of CPU time used by Enterprise SSO service compared with the percentage of time the system CPU was busy. This report has the following counters:

- **Process. % Processor Time** (ENTSSO) - CPU time used by the BizTalk Service

- **Process.Thread Count** (ENTSSO) - Thread count of the BizTalk service

- **System % Processor Time** - Total time the system's CPU was busy

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840010
Class Name	BTS_PROCESS

BizTalk Server Processes CPU Statistics - Rule Engine Update Service

This report shows a summary of CPU statistics of BizTalk Server processes, compared with overall CPU statistics of the system, in graphical and tabular formats. The summarized process

statistics include the percentage of CPU time used by the RuleEngineUpdate Service, compared with the percentage of time the system CPU was busy. This report has the following counters:

- **Process. % Processor Time** (RuleEngineUpdateService) - CPU time used by the BizTalk Service

- **Process.Thread Count** (RuleEngineUpdateService) - Thread count of the BizTalk service

- **System % Processor Time** - Total time the system's CPU was busy

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840011
Class Name	BTS_PROCESS

BizTalk Server Processes Memory Statistics - Application Service

This report shows summary of memory statistics of BizTalk Server processes in graphical and tabular formats. The summarized process statistics include the page faults per second, private bytes, and working set used by BizTalk Server Application Service. This report has the following counters:

- **Process.Private Bytes** (BTSNTSvc)

- **Process.Working Set** (BTSNTSvc)

- **Process.Page Faults/sec** (BTSNTSvc)

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840009
Class Name	BTS_PROCESS

BTS Processes Memory Statistics - Enterprise Single Sign On (SSO) Service

This report shows summary of memory statistics of BizTalk Server processes in graphical and tabular formats. The summarized process statistics include the page faults per second, private bytes, and working set used by Enterprise SSO (Single Sign On) Service.
This report has the following counters:

- **Process.Private Bytes** (ENTSSO)

- **Process.Working Set** (ENTSSO)

- **Process.Page Faults/sec** (ENTSSO)

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840010
Class Name	BTS_PROCESS

BTS Processes Memory Statistics - Rule Engine Update Service

This report shows summary of memory statistics of BizTalk Server processes in graphical and tabular formats. The summarized process statistics include the page faults per second, private bytes, and working set used by Rule Engine Update Service.This report has the following counters:

- **Process.Private Bytes** (RuleEngineUpdateService)

- **Process.Working Set** (RuleEngineUpdateService)

- **Process.Page Faults/sec** (RuleEngineUpdateService)

The schedule for this report is defined in the following policy:

Policy Name	BTS_SCH_840011
Class Name	BTS_PROCESS

BizTalk Server 2010 Graphs

Microsoft Enterprise Servers SPI provides the following pre-defined graphs for BizTalk Server 2010.

BizTalk Service CPU Statistics

This graph shows the CPU statistics of the Biztalk service compared with overall CPU statistics of the system.

Enterprise SSO Service CPU Statistics

This graph shows the CPU statistics of Enterprise SSO service compared with overall CPU statistics of the system.

Rule Engine Update Service CPU Statistics

This graph shows the CPU statistics of the IM conferencing service compared with overall CPU statistics of the system.

BizTalk Service Memory Statistics

This graph shows the memory statistics of the Biztalk Service.

Enterprise SSO Memory Statistics

This graph shows the memory statistics of the Enterprise SSO Service.

Rule Engine Update Service Memory Statistics

This graph shows the memory statistics of the Rule Engine Update Service.

Document Processing Statistics by BizTalk Server

This graph shows the documents processing statistics of BizTalk Server.

Orchestration Statistics by BizTalk Server

This graph shows the issues encountered by BizTalk Orchestration.

Biztalk TDDS Statistics

This graph shows the TDDS Statistics of BizTalk Server.

Chapter 4

Microsoft Enterprise Servers SPI - Internet Security and Acceleration Server

Overview

Microsoft Internet Security and Acceleration (ISA) Server is a tool that integrates security (firewall) with acceleration (Web proxy cached pages). This secures your site and speeds up the web access.

The ISA service map displays the nodes where ISA servers are installed. The service maps are available under both the Applications and the Systems Infrastructure areas.

Related Topics:

- Microsoft Enterprise Servers SPI Internet Security and Acceleration Server Policies
- Microsoft Enterprise Servers SPI Internet Security and Acceleration Server Reports
- Microsoft Enterprise Servers SPI Internet Security and Acceleration Server Graphs

Microsoft Enterprise Servers SPI ISA Server Policies

The Microsoft Enterprise Servers SPI ISA policies monitor the Microsoft Internet Security and Acceleration (ISA) Server. The policies offer the following monitoring processes:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

Related Topics:

- Microsoft Enterprise Servers SPI Internet Security and Acceleration Server Reports
- Microsoft Enterprise Servers SPI Internet Security and Acceleration Server Graphs

Availability Monitoring

The availability monitoring group monitor the services of the Microsoft ISA Server. Services are not automatically restarted, because they may have been shut down intentionally.

Monitored services of the ISA Server include:

- Microsoft Firewall (wspsrv)

- Microsoft ISA Server Control (mspadmin)

- Microsoft ISA Server Job Scheduler (w3prefch)

- Routing and Remote Access (svchost)

- Network Load Balancing

- Microsoft Data Engine (sqlservr)

- Microsoft ISA Server Storage (isastg)

- Firewall Engine

- ISA Storage Configuration (dsadmin)
This monitoring group includes the following policies:

- ISA2006_Availability_Config-Storage-service

- ISA2006_Availability_DataEngine-Service

- ISA2006_Availability_Firewall-Engine-Service

- ISA2006_Availability_Firewall-Service

- ISA2006_Availability_JobScheduler-Service

- ISA2006_Availability_Network-Load-Balancing-Service

- ISA2006_Availability_RemoteAccess-Service

- ISA2006_Availability_ServerControl-Service

- ISA2006_Availability_Storage-Service

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_Config-Storage-service

The ISA2006_Availability_Config-Storage-service policy checks if ISA Configuration Storage
Server service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Internet Security And
Acceleration Server**→ **Internet Security And Acceleration Server 2007**→ **Availability
Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_DataEngine-Service

The ISA2006_Availability_DataEngine-Service policy checks if ISA Data Engine service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_Firewall-Engine-Service

The ISA2006_Availability_Firewall-Engine-Service policy checks if ISA Firewall Engine service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_Firewall-Service

The ISA2006_Availability_Firewall-Service policy checks if ISA Server Control service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_JobScheduler-Service

The ISA2006_Availability_JobScheduler-Service policy checks if ISA Job Scheduler service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_Network-Load-Balancing-Service

The ISA2006_Availability_Network-Load-Balancing-Service policy checks if ISA Network Load Balancing service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_RemoteAccess-Service

The ISA2006_Availability_RemoteAccess-Service policy checks if ISA Routing and Remote Access service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_ServerControl-Service

The ISA2006_Availability_ServerControl-Service policy checks if ISA Job Scheduler service is running. If not, it tries to restart the service.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Availability_Storage-Service

The ISA2006_Availability_Storage-Service policy checks if ISA Server Storage service is running. If not, it tries to restart the service.

Schedule: This policy runs every

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Availability Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

Windows Event Log Monitoring

Event monitoring of the Windows 2000/2003 Event Log (application log) occurs for ISA Server events. Console messages are sent for all errors, warnings, and information events logged for the following sources:

- Microsoft Firewall

- Microsoft Web Proxy

- Microsoft ISA Server Control

- Microsoft Scheduled Cache Content Download
This monitoring group includes the following policies:

- ISA2006_FwdApplicationError

- ISA2006_FwdApplicationInformation

- ISA2006_FwdApplicationWarning

Related Topics:

- Performance Monitoring

- Availability Monitoring

- Server Logging

- Discovery

ISA2006_FwdApplicationError

The ISA2006_FwdApplicationError policy forwards all ISA Server application log entries with severity as *Error*.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Event Log Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_FwdApplicationInformation

The ISA2006_FwdApplicationInformation policy forwards all ISA Server application log entries with severity as *Information*.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Internet Security And Acceleration Server** ⟶ **Internet Security And Acceleration Server 2007** ⟶ **Event Log Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_FwdApplicationWarning

The ISA2006_FwdApplicationWarning policy forwards all ISA Server application log entries with severity as *Warning*.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Internet Security And Acceleration Server** ⟶ **Internet Security And Acceleration Server 2007** ⟶ **Event Log Monitoring**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

Performance Monitoring

ISA performance monitoring includes both specific ISA Server performance counters and CPU process-related counters. Each policy for performance monitoring has both error and warning thresholds.

This policy group include the following policies:

- Firewall Service
  - ISA2006_Firewall_PageFaults
  - ISA2006_Firewall_PrivateBytes
  - ISA2006_Firewall_ProcessorTime
  - ISA2006_Firewall_ThreadCount
  - ISA2006_Firewall_WorkingSet

- Firewall Engine
  - ISA2006_FirewallEngine_PageFaults
  - ISA2006_FirewallEngine_PrivateBytes
  - ISA2006_FirewallEngine_ProcessorTime
  - ISA2006_FirewallEngine_ThreadCount
  - ISA2006_FirewallEngine_WorkingSet

- Job Scheduler
  - ISA2006_JobScheduler_PageFaults
  - ISA2006_JobScheduler_PrivateBytes
  - ISA2006_JobScheduler_ProcessorTime
  - ISA2006_JobScheduler_ThreadCount
  - ISA2006_JobScheduler_WorkingSet

- Network Load Balancing
  - ISA2006_LoadBalancing_PageFaults
  - ISA2006_LoadBalancing_PrivateBytes
  - ISA2006_LoadBalancing_ProcessorTime
  - ISA2006_LoadBalancing_ThreadCount
  - ISA2006_LoadBalancing_WorkingSet

- Microsoft Data Engine
  - ISA2006_MSSQLMSFW_PageFaults
  - ISA2006_MSSQLMSFW_PrivateBytes
  - ISA2006_MSSQLMSFW_ProcessorTime
  - ISA2006_MSSQLMSFW_ThreadCount
  - ISA2006_MSSQLMSFW_WorkingSet

- Remote Access
  - ISA2006_RemoteAccess_PageFaults
  - ISA2006_RemoteAccess_PrivateBytes
  - ISA2006_RemoteAccess_ProcessorTime
  - ISA2006_RemoteAccess_ThreadCount
  - ISA2006_RemoteAccess_WorkingSet
- Server Control
  - ISA2006_ServerControl_PageFaults
  - ISA2006_ServerControl_PrivateBytes
  - ISA2006_ServerControl_ProcessorTime
  - ISA2006_ServerControl_ThreadCount
  - ISA2006_ServerControl_WorkingSet
- Server Storage
  - ISA2006_ServerStorage_PageFaults
  - ISA2006_ServerStorage_PrivateBytes
  - ISA2006_ServerStorage_ProcessorTime
  - ISA2006_ServerStorage_ThreadCount
  - ISA2006_ServerStorage_WorkingSet
- Storage Configuration
  - ISA2006_StorageConfig_PageFaults
  - ISA2006_StorageConfig_PrivateBytes
  - ISA2006_StorageConfig_ProcessorTime
  - ISA2006_StorageConfig_ThreadCount
  - ISA2006_StorageConfig_WorkingSet

Related Topics:

- Availability Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_Firewall_PageFaults

The ISA2006_Firewall_PageFaults policy monitors Page Faults of Firewall process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Firewall_PrivateBytes

The ISA2006_Firewall_PrivateBytes policy monitors private bytes of Firewall process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Firewall_ProcessorTime

The ISA2006_Firewall_ProcessorTime policy monitors processor time of Firewall process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Firewall_ThreadCount

The ISA2006_Firewall_ThreadCount policy monitors Thread Count of Firewall process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_Firewall_WorkingSet

The ISA2006_Firewall_WorkingSet policy monitors Working Set of Firewall process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_FirewallEngine_PageFaults

The ISA2006_FirewallEngine_PageFaults policy monitors Page Faults of Firewall Engine.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall Engine**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_FirewallEngine_PrivateBytes

The ISA2006_FirewallEngine_PrivateBytes policy monitors Private Bytes of Firewall Engine.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall Engine**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_FirewallEngine_ProcessorTime

The ISA2006_FirewallEngine_ProcessorTime policy monitors Processor Time of Firewall Engine.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Firewall Engine**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_FirewallEngine_ThreadCount

The ISA2006_FirewallEngine_ThreadCount policy monitors Thread Count of Firewall Engine.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Internet Security And Acceleration Server ⟶ Internet Security And Acceleration Server 2007 ⟶ Log File Monitoring ⟶ Performance Monitoring ⟶ Service Based ⟶ Firewall Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_FirewallEngine_WorkingSet

The ISA2006_FirewallEngine_WorkingSet policy monitors Working Set of Firewall Engine.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Internet Security And Acceleration Server ⟶ Internet Security And Acceleration Server 2007 ⟶ Log File Monitoring ⟶ Performance Monitoring ⟶ Service Based ⟶ Firewall Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_JobScheduler_PageFaults

The ISA2006_JobScheduler_PageFaults policy monitors Page Faults of Job Scheduler process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Internet Security And Acceleration Server ⟶ Internet Security And Acceleration Server 2007 ⟶ Log File Monitoring ⟶ Performance Monitoring ⟶ Service Based ⟶ Job Scheduler**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_JobScheduler_PrivateBytes

The ISA2006_JobScheduler_PrivateBytes policy monitors Private Bytes of Job Scheduler process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Job Scheduler**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_JobScheduler_ProcessorTime

The ISA2006_JobScheduler_ProcessorTime policy monitors Processor Time of Job Scheduler process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Job Scheduler**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_JobScheduler_ThreadCount

The ISA2006_JobScheduler_ThreadCount policy monitors Thread Count of Job Scheduler process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Job Scheduler**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_JobScheduler_WorkingSet

The ISA2006_JobScheduler_WorkingSet policy monitors Working Set of Job Scheduler process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Job Scheduler**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_LoadBalancing_PageFaults

The ISA2006_LoadBalancing_PageFaults policy monitors Page Faults of Load Balancing process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_LoadBalancing_PrivateBytes

The ISA2006_LoadBalancing_PrivateBytes policy monitors Private Bytes of Load Balancing process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_LoadBalancing_ProcessorTime

The ISA2006_LoadBalancing_ProcessorTime policy monitors Processor Time of Load Balancing process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_LoadBalancing_ThreadCount

The ISA2006_LoadBalancing_ThreadCount policy monitors Thread Count of Load Balancing process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_LoadBalancing_WorkingSet

The ISA2006_LoadBalancing_WorkingSet policy monitors Working Set of Load Balancing process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Log File Monitoring** ➝ **Performance Monitoring** ➝ **Service Based** ➝ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_MSSQLMSFW_PageFaults

The ISA2006_MSSQLMSFW_PageFaults policy monitors Page Faults of ISA Data Engine process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Log File Monitoring** ➝ **Performance Monitoring** ➝ **Service Based** ➝ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_MSSQLMSFW_PrivateBytes

The ISA2006_MSSQLMSFW_PrivateBytes policy monitors Private Bytes of ISA Data Engine process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Internet Security And Acceleration Server** ⟶ **Internet Security And Acceleration Server 2007** ⟶ **Log File Monitoring** ⟶ **Performance Monitoring** ⟶ **Service Based** ⟶ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_MSSQLMSFW_ProcessorTime

The ISA2006_MSSQLMSFW_ProcessorTime policy monitors Processor Time of ISA Data Engine process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Internet Security And Acceleration Server** ⟶ **Internet Security And Acceleration Server 2007** ⟶ **Log File Monitoring** ⟶ **Performance Monitoring** ⟶ **Service Based** ⟶ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_MSSQLMSFW_ThreadCount

The ISA2006_MSSQLMSFW_ThreadCount policy monitors Thread Count of ISA Data Engine process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Internet Security And Acceleration Server** ⟶ **Internet Security And Acceleration Server 2007** ⟶ **Log File Monitoring** ⟶ **Performance Monitoring** ⟶ **Service Based** ⟶ **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_MSSQLMSFW_WorkingSet

The ISA2006_MSSQLMSFW_WorkingSet policy monitors Working Set of ISA Data Engine process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Microsoft Data Engine**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_RemoteAccess_PageFaults

The ISA2006_RemoteAccess_PageFaults policy monitors Page Faults of Remote Access process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Remote Access**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_RemoteAccess_PrivateBytes

The ISA2006_RemoteAccess_PrivateBytes policy monitors Private Bytes of Remote Access process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Log File Monitoring** ➝ **Performance Monitoring** ➝ **Service Based** ➝ **Remote Access**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_RemoteAccess_ProcessorTime

The ISA2006_RemoteAccess_ProcessorTime policy monitors Processor Time of Remote Access process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Log File Monitoring** ➝ **Performance Monitoring** ➝ **Service Based** ➝ **Remote Access**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_RemoteAccess_ThreadCount

The ISA2006_RemoteAccess_ThreadCount policy monitors Thread Count of Remote Access process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Internet Security And Acceleration Server** ➝ **Internet Security And Acceleration Server 2007** ➝ **Log File Monitoring** ➝ **Performance Monitoring** ➝ **Service Based** ➝ **Remote Access**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_RemoteAccess_WorkingSet

The ISA2006_RemoteAccess_WorkingSet policy monitors Working Set of Remote Access process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Remote Access**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerControl_PageFaults

The ISA2006_ServerControl_PageFaults policy monitors Page Faults of Server Control process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Control**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerControl_PrivateBytes

The ISA2006_ServerControl_PrivateBytes policy monitors Private Bytes of Server Control process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **ISA Server Control**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerControl_ProcessorTime

The ISA2006_ServerControl_ProcessorTime policy monitors Processor Time of Server Control process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **ISA Server Control**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerControl_ThreadCount

The ISA2006_ServerControl_ThreadCount policy monitors Thread Count of Server Control process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Internet Security And Acceleration Server** ➞ **Internet Security And Acceleration Server 2007** ➞ **Log File Monitoring** ➞ **Performance Monitoring** ➞ **Service Based** ➞ **ISA Server Control**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerControl_WorkingSet

The ISA2006_ServerControl_WorkingSet policy monitors Working Set of Server Control process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Control**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerStorage_PageFaults

The ISA2006_ServerStorage_PageFaults policy monitors Page Faults of Server Storage process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Storage**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerStorage_PrivateBytes

The ISA2006_ServerStorage_PrivateBytes policy monitors Private Bytes of Server Storage process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Storage**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_ServerStorage_ProcessorTime

The ISA2006_ServerStorage_ProcessorTime policy monitors Processor Time of Server Storage process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Storage**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_ServerStorage_ThreadCount

The ISA2006_ServerStorage_ThreadCount policy monitors Thread Count of Server Storage process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_ServerStorage_WorkingSet

The ISA2006_ServerStorage_WorkingSet policy monitors Working Set of Server Storage process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **ISA Server Storage**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_StorageConfig_PageFaults

The ISA2006_StorageConfig_PageFaults policy monitors Page Faults of Storage Configuration process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_StorageConfig_PrivateBytes

The ISA2006_StorageConfig_PrivateBytes policy monitors Private Bytes of Storage Configuration process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_StorageConfig_ProcessorTime

The ISA2006_StorageConfig_ProcessorTime policy monitors Processor Time of Storage Configuration process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_StorageConfig_ThreadCount

The ISA2006_StorageConfig_ThreadCount policy monitors Thread Count of Storage Configuration process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_StorageConfig_WorkingSet

The ISA2006_StorageConfig_WorkingSet policy monitors Working Set of Storage Configuration process.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Monitoring** → **Service Based** → **Storage Configuration**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

Server Logging

In the server logging group, selected process-related data for CPU and memory counters is logged for the ISA Server.

This monitoring group includes the following policies:

- ISA2006_Logging_Firewall

- ISA2006_Logging_Jobscheduler

- ISA2006_Logging_Servercache

- ISA2006_Logging_Servercontrol

- ISA2006_Logging_WebProxy

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Availability Monitoring

- Discovery

ISA2006_Logging_Firewall

The ISA2006_Logging_Firewall policy logs selected performance data for ISA Server 2006 Firewall service.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Data Logging**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Logging_Jobscheduler

The ISA2006_Logging_Jobscheduler policy logs selected performance data for ISA Server 2006 Job Scheduler.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Data Logging**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Logging_ServerCache

The ISA2006_Logging_ServerCache policy logs selected performance data for ISA Server 2006 Cache.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Data Logging**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Logging_ServerControl

The ISA2006_Logging_ServerControl policy logs selected performance data for ISA Server 2006 Server Control.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Data Logging**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Logging_WebProxy

The ISA2006_Logging_WebProxy policy logs selected performance data for ISA Server 2006 Web Proxy service.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Log File Monitoring** → **Performance Data Logging**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

Discovery

The Discovery monitoring group discovers the services of the ISA server.

This monitoring group includes the following policies:

- ISA2006_Discovery_System

- ISA2006_Discovery_Application

- ISA2006_CheckDiscovery_Error

- ISA2006_AutoDiscover_Delete

Related Topics:

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Availability Monitoring

ISA2006_Discovery_System

The ISA2006_Discovery_System policy discovers and adds infrastructure information to the service map.

Policy Type: Service Auto-Discovery policy

Policy Group: **SPI for Microsoft Enterprise Servers** ▸ **en** ▸ **Internet Security And Acceleration Server** ▸ **Internet Security And Acceleration Server 2007** ▸ **Discovery**

Related Topics:

- Availability Monitoring

- Performance Monitoring

- Windows Event Log Monitoring

- Server Logging

- Discovery

ISA2006_Discovery_Application

The ISA2006_Discovery_Application policy discovers and adds application and dependency information to the service map.

Policy Type: Service Auto-Discovery policy

Policy Group: **SPI for Microsoft Enterprise Servers** ▸ **en** ▸ **Internet Security And Acceleration Server** ▸ **Internet Security And Acceleration Server 2007** ▸ **Discovery**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_CheckDiscovery_Error

The ISA2006_CheckDiscovery_Error policy forwards discovery script errors to the console map.

Policy Type: Logfile Entry policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Discovery**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

ISA2006_AutoDiscover_Delete

The ISA2006_AutoDiscover_Delete policy acts as service deletion message.

Policy Type: Open Message Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Internet Security And Acceleration Server** → **Internet Security And Acceleration Server 2007** → **Discovery**

Related Topics:

- Availability Monitoring
- Performance Monitoring
- Windows Event Log Monitoring
- Server Logging
- Discovery

Internet Security and Acceleration 2006 Reports

Reports represent various metrics. They contain data that are collected by policies.

The Microsoft Enterprise Servers SPI offers a number of reports that help you monitor Internet Security and Acceleration Server activity. The following report descriptions include listings of performance counters used.

Firewall, Scheduled Cache Content Download, and ISA Server Control Process CPU Statistics

The Firewall, Scheduled Cache Content Download, and ISA Server Control Process CPU Statistics report shows summary CPU statistics of ISA Server processes compared with overall CPU statistics of the system.

This report has the following counters:

- Process.% Processor Time (wspsrv, mspadmin, w3prefch, w3proxy)
- Process.Thread Count(wspsrv, mspadmin, w3prefch, w3proxy)
- Processor:% Processor Time

Dropped Packets Statistics

The Dropped Packets Statistics report shows summary statistics of ISA Server total dropped packets resulting from packet filtering.

This report has ISA Server Firewall Packet Engine.Dropped Packets as its counter.

Firewall Statistics

The Firewall Statistics report shows summary statistics of the ISA Server firewall, including the number of active sessions, the number of kernel mode data pumps, and the number of worker threads.

This report has the following counters:

- Active Sessions
- Active TCP Connections
- Active UDP Connections
- SecureNAT Mappings
- Available Worker Threads
- Worker Threads
- Kernel Mode Data Pumps
- Bytes Read/sec
- Bytes Written/sec

Firewall, Scheduled Cache Content Download, and ISA Server Control Process Memory Statistics

The Firewall, Scheduled Cache Content Download, and ISA Server Control Process Memory Statistics report shows summary memory statistics of ISA Server processes.

This report has the following counters:

- Process.Private Bytes (wspsrv, mspadmin, w3prefch, w3proxy)
- Process.Working Set (wspsrv, mspadmin, w3prefch, w3proxy)
- Process.Page Faults/sec (wspsrv, mspadmin, w3prefch, w3proxy)

ISA Server Cache Statistics

The ISA Server Cache Statistics report shows summary statistics of the ISA Server memory and disk cache, including the memory cache usage ratio percentage, and the disk cache failure rate.

This report has the following counters:

- Memory Usage Ratio Percent (%)
- Bytes Retrieved Rate from Memory Cache (KB/sec)
- Memory Cache Allocated Space (KB)
- Disk Failure Rate (Fail/sec)
- Total Disk Failures
- Bytes Retrieved Rate From Disk Cache (KB/sec)
- Disk Cache Allocated Space (KB)
- URL Commit Rate (URL/sec)
- URLs in Cache
- Max URLs Cached

Web Proxy Statistics

The Web Proxy Statistics report shows summary statistics of the ISA Server Web Proxy, including the cache hit ratio percentage, the current number of Web proxy users, and the rate at which data bytes have been sent and received by the Web proxy service to and from Web Proxy clients.

This report has the following counters:

- Cache Hit Ratio (%)
- Cache Running Hit Ratio (%)
- Total Cache Fetches
- Client Bytes Received/sec
- Client Bytes Sent/sec

- Client Bytes Total/sec

- Current Users

- Maximum Users

Web Proxy Request Statistics

The Web Proxy Request Statistics report shows summary statistics of the ISA Server Web Proxy including the number of failing client requests per second, and the total number of successful and failing client requests that have been made to the Web Proxy service.

This report has the following counters:

- Failing Requests/sec

- Requests/sec

- Current Average Milliseconds/request

- Total Failing Requests

- Total Requests

- Total Successful Requests

- Ftp Requests

- Http Requests

Web Proxy Sites Allowed and Denied Statistics

The Web Proxy Sites Allowed and Denied Statistics report shows summary statistics of the ISA Server Web Proxy including the number of Web sites allowed access to client and the number of Web sites denied access to clients.

This report has the following counters:

- Sites Denied

- Sites Allowed

Related Topics

- Microsoft Enterprise Servers SPI Internet Security and Acceleration Graphs

- Microsoft Enterprise Servers SPI Internet Security and Acceleration Policies

Internet and Security Acceleration Server 2006 Graphs

The Microsoft Enterprise Servers SPI graphs are pictorial representation of the various metrics of Internet Security and Acceleration Server. Graphs contain data that are collected by policies.

The Microsoft Enterprise Servers SPI Internet and Security Acceleration Server 2006 graphs are as follows:

Cache URL Statistics

The Cache URL Statistics graph shows summary statistics relating to URLs of the ISA Server cache.

Disk Cache Statistics

The Disk Cache Statistics graph shows summary statistics of the ISA Server disk cache.

Disk Failure Statistics

The Disk Failure Statistics graph shows summary statistics of the ISA Server disk cache failure rate.

Dropped Packets Statistics

The Dropped Packets Statistics graph shows summary statistics of ISA Server total dropped packets resulting from packet filtering.

Firewall CPU

The Firewall CPU graph shows summary CPU statistics of the ISA Server Firewall process.

Firewall Data Pump Statistics

The Firewall Data Pump Statistics graph shows summary statistics of the ISA Server firewall, including the number of kernel mode data pumps.

Firewall Memory

The Firewall Memory graph shows summary memory statistics of the ISA Server Firewall process.

Firewall Session / Connection Statistics

The Firewall Session / Connection Statistics graph shows summary statistics of the ISA Server firewall, including the number of active sessions.

Firewall Worker Threads Statistics

The Firewall Worker Threads Statistics graph shows summary statistics of the ISA Server firewall, including the number of worker threads.

ISA Server Control CPU

The ISA Server Control CPU graph shows summary CPU statistics of the ISA Server Control process.

ISA Server Control Memory

The ISA Server Control Memory graph shows summary memory statistics of the ISA Server Control process.

Memory Cache Ratio Percent

The Memory Cache Ratio Percent graph shows summary statistics of the ISA Server memory cache, including the memory cache usage ratio percentage.

Memory Cache Statistics

The Memory Cache Statistics graph shows summary statistics of the ISA Server memory cache, including the memory bytes retrieved rate.

Scheduled Cache Content Download CPU

The Scheduled Cache Content Download CPU graph shows summary CPU statistics of the ISA Server Scheduled Cache Content Download process.

Scheduled Cache Content Download Memory

The Scheduled Cache Content Download Memory graph shows summary memory statistics of the ISA Server Scheduled Cache Content Download process.

Sites Granted/Denied Statistics

The Sites granted/Denied Statistics graph shows summary statistics of the ISA Server Web Proxy, including the number of Web sites allowed access to client and the number of Web sites denied access to clients.

Web Proxy Average Milliseconds/request

The Web Proxy Average Milliseconds/request graph shows summary statistics of the ISA Server Web Proxy, including the average milliseconds per client request that has been made to the Web Proxy service.

Web Proxy Cache Hit Ratio Statistics

The Web Proxy Cache Hit Ratio Statistics graph shows summary statistics of the ISA Server Web Proxy, including the cache hit ratio percentage.

Web Proxy Client Bytes Statistics

The Web Proxy Client Bytes Statistics graph shows summary statistics of the ISA Server Web Proxy, including the rate at which data bytes have been sent and received by the Web proxy service to and from Web Proxy clients.

Web Proxy CPU

The Web Proxy CPU graph shows summary CPU statistics of the ISA Server Web Proxy process.

Web Proxy Memory

The Web Proxy Memory graph shows summary memory statistics of the ISA Server Web Proxy process.

Web Proxy Requests Statistics

The Web Proxy Requests Statistics graph shows summary statistics of the ISA Server Web Proxy, including the number of failing client requests per second that have been made to the Web Proxy service.

Web Proxy Users Statistics

The Web Proxy Users Statistics graph shows summary statistics of the ISA Server Web Proxy, including the current number of Web proxy users.

Related Topics

- Microsoft Enterprise Servers SPI Internet Security and Acceleration Reports
- Microsoft Enterprise Servers SPI Internet Security and Acceleration Policies

Chapter 5

Microsoft Enterprise Servers SPI - Microsoft Office SharePoint Server 2007

Overview

Microsoft Office SharePoint Server 2007 is a document repository system accessed through both a web and native client. Microsoft Office SharePoint Server 2007 provides formal processes for authoring and approval, to allow simple but reliable document versioning.

Microsoft Office SharePoint Server 2007 enables enterprises to develop an intelligent portal that seamlessly connects users, teams, and knowledge so that people can use information and work efficiently across business processes. This is made possible by integrating information from various systems into one solution, through single sign-on and enterprise application integration capabilities, and with flexible deployment options and management tools. The portal facilitates end-to-end collaboration by enabling aggregation, organization, and search capabilities for people, teams, and information. Users can find relevant information quickly through customization and personalization of portal content and layout, as well as by audience targeting. Organizations can target information, programs, and updates to audiences based on their organizational role, team membership, interest, security group, or any other membership criteria that can be defined.

Microsoft Office SharePoint Server 2007 has the following components:

- All the systems on which Microsoft Office SharePoint Server 2007 is installed.

- All components enabled on each system.

- Microsoft Office SharePoint Server 2007 Extended Virtual Servers and the systems which they are hosted on.

- Virtual server on which any site is hosted, (allows you to see the sites affected when a virtual server is unavailable).

- Content Databases, Configuration Databases, and SMTP servers and the dependency of these services on other components like IIS and Windows Operating System.

- All WSS sites and their content sources hosted by Microsoft Office SharePoint Server 2007, and their sub web (child) sites.

- Microsoft Office SharePoint Server 2007 Portal sites and the hierarchy of their member sites.

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint Office Policies

- Microsoft Enterprise Servers SPI Microsoft SharePoint Office Reports

- Microsoft Enterprise Servers SPI Microsoft SharePoint Office Graphs

Microsoft Enterprise Servers Microsoft Office SharePoint Server 2007 SPI Policies

The Microsoft Enterprise Servers SPI policies monitor the Microsoft Office SharePoint Server 2007. The policies offer the following monitoring processes:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint Server 2007 Reports

- Microsoft Enterprise Servers SPI Microsoft SharePoint Server Graphs

Discovery

The Discovery group discovers the services of the Microsoft Office SharePoint Server 2007.

This monitoring group includes the Microsoft Office SharePoint Server 2007 Discovery policy.

Related Topics:

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Microsoft Office SharePoint Server 2007 Discovery

The Microsoft Office SharePoint Server 2007 Discovery policy discovers the services of the Microsoft Office SharePoint Server 2007.

Policy Type: Service Auto Discovery policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Discovery**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Availability Monitoring

The availability monitoring group monitor the services of the Microsoft Office SharePoint Server 2007. This monitoring group includes the following policies:

- MSES_MOSS_AdminService

- MSES_MOSS_Document Conversions Load Balancer Service

- MSES_MOSS_OfficeServerSearchService

- MSES_MOSS_ TimerService

- MSES_MOSS_Document Conversions Launcher Service

- MSES_MOSS_SearchService

- MSES_MOSS_SingleSignOnService

Related Topics:

- Discovery

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_AdminService

The MSES_MOSS_AdminService policy monitors the Microsoft Office SharePoint Server 2007 admin service. If the service is stopped it is restarted automatically.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **Microsoft Office SharePoint Server 2007** ➝ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_Document Conversions Load Balancer Service

The MSES_MOSS_Document Conversions Load Balancer Service policy monitors the Document Conversions Load Balancer Service process.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **Microsoft Office SharePoint Server 2007** ➝ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS_Document Conversions Launcher Service

The MSES_MOSS_Document Conversions Launcher Service policy monitors Document Conversions Launcher Service process.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **Microsoft Office SharePoint Server 2007** ➝ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS_OfficeServerSearchService

The MSES_MOSS_OfficeServerSearchService policy monitors the Office Sharepoint server search.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_SearchService

The MSES_MOSS_SearchService policy monitors the Microsoft SharePoint 2007 Server search service. If the service is stopped it is restarted automatically.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_ TimerService

The MSES_MOSS_ TimerService policy monitors the Microsoft SharePoint 2007 Server timer service. If the service is stopped it is restarted automatically.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_SingleSignOnService

The MSES_MOSS_SingleSignOnService policy monitors the Microsoft SharePoint 2007 Server single sign-on service. If the service is stopped it is restarted automatically.

Schedule: This policy runs every 5 minutes daily.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → SharePoint Portal Server → Microsoft Office SharePoint Server 2007 → Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Server Logging

In server logging group the following metrics are collected for all the processes mentioned under logging.

Metric Name	Data Type
Instance Name	Text
Working Set	Real64
Page Faults per sec	Real64
Private Bytes	Real64
Thread Count	Real64
Processor Time (%)	Real64

This monitoring group includes the following policies:

- MSES_MOSS-2k7_Logging_Process_MOSS.Conversions.LoadBalancer

- MSES_MOSS-2k7_Logging_Process_WSSTRACING

- MSES_MOSS-2k7_Logging_Process_SPWRITER

- MSES_MOSS-2k7_Logging_Process_WSADMIN

- MSES_MOSS-2k7_Logging_Process_OWSTIMER

- MSES_MOSS-2k7_Logging_Process_MSSEARCH

- MSES_MOSS-2k7_Logging_Process_w3wp

- MSES_MOSS-2k7_ Logging_Process_SSOSRV

- MSES_MOSS-2k7_Logging_Process_ MOSS.Conversions.Launcher

- MSES_MOSS-2k7_ CreateCodeDataSources

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

MSES_MOSS-2k7_Logging_Process_ MOSS.Conversions.LoadBalancer

The MSES_MOSS-2k7_Logging_Process_MOSS.Conversions.LoadBalancer policy collects data for Microsoft Office Server Conversions LoadBalancer.

Service Name: Office Document Conversions Load Balancer Service

Monitored Process: Micorsoft.Office.Server.conversions.LoadBalancer.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS-2k7_Logging_Process_ MOSS.Conversions.Launcher

The MSES_MOSS-2k7_Logging_Process_ MOSS.Conversions.Launcher policy collects data for conversions.Launcher process.

Service Name: Office Document Conversions Launcher Service

Monitored Process: Microsoft.Office.Server.Conversions.Launcher.exe

Schedule: This policy runs every 5 minutes daily.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_Logging_Process_WSSTRACING

The MSES_MOSS-2k7_Logging_Process_WSSTRACING policy collects data for the WSSTRACING process.

Service Name: Windows SharePoint Services Tracing

Monitored Process: wsstracing.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_Logging_Process_MSSEARCH

The MSES_MOSS-2k7_Logging_Process_MSSEARCH policy collects data for MSSEARCH process.

Service Name: Windows SharePoint Servicer Search

Monitored Process: mssearch.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS-2k7_Logging_Process_OWSTIMER

The MSES_MOSS-2k7_Logging_Process_OWSTIMER policy collects data for the OWSTIMER process.

Service Name: Windows SharePoint Services Timer

Monitored Process: owstimer.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS-2k7_Logging_Process_SPWRITER

The MSES_MOSS-2k7_Logging_Process_SPWRITER policy collects data for the SPWRITER process.

Service Name: Windows SharePoint Services VSS Writer

Monitored Process: spwriter.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **Microsoft Office SharePoint Server 2007** ➝ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_ Logging_Process_SSOSRV

The MSES_MOSS-2k7_ Logging_Process_SSOSRV policy collects data for SSOSRV process.

Service Name: Microsoft Single Sign-on Service

Monitored Process: ssosrv.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **Microsoft Office SharePoint Server 2007** ➝ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_Logging_Process_w3wp

The MSES_MOSS-2k7_Logging_Process_w3wp policy collects data for w3wp process.

Service Name: Windows IIS worker process

Monitored Process: w3wp.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_ CreateCodaDataSources

The MSES_MOSS-2k7_ CreateCodaDataSources policy creates the data source for logging data.

Note: Deploy this policy before deploying any other logging policy.

Service Name: Office Document Conversions Launcher Service

Monitored Process: Microsoft.Office.Server.Conversions.Launcher.exe

Schedule: This policy runs every 30 minutes.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS-2k7_Logging_Process_WSSADMIN

The MSES_MOSS-2k7_Logging_Process_WSSADMIN policy collects data for WSADMIN process.

Service Name: Measurement Threshold policy

Monitored Process: wssadmin.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Service Monitoring

The service monitoring group monitors the available services of the Microsoft Office SharePoint Server 2007. This monitoring group includes the following policies:

- MSES_MOSS-2k7_Database_Monitoring

- MSES_MOSS-2k7_ Logical_Services_Monitoring

- MSES_MOSS_Documents Delayed Retry

- MSES_MOSS_HeartBeats

- MSES_MOSS_Active Queue Length

- MSES_MOSS_ReasonToBackOff

- MSES_MOSS_IndexerCatalogsNumOfDocuments

Related Topics:

- Discovery

- Availability Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS-2k7_Database_Monitoring

The MSES_MOSS-2k7_Database_Monitoring policy checks the status of the MOSS database instances.

Schedule: This policy runs every 30 minutes.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **Microsoft Office SharePoint Server 2007** ⟶ **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS-2k7_ Logical_Services_Monitoring

The MSES_MOSS-2k7_ Logical_Services_Monitoring policy checks the status of the MOSS logical services.

Schedule: This policy runs every 30 minutes.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_HeartBeats

The MSES_MOSS_HeartBeats policy monitors the Microsoft SharePoint Portal Server 2007 Gatherer/HearBeats counters.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_Documents Delayed Retry

The MSES_MOSS_Documents Delayed Retry policy monitors the Documents Delayed Retry counter.

Schedule: This policy runs every 20 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Portal Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS_Active Queue Length

The MSES_MOSS_Active Queue Length policy monitors the Active Queue Length.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_MOSS_ReasonToBackOff

The MSES_MOSS_ReasonTo BackOff policy monitors the ReasonToBackOff counters.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_IndexerCatalogsNumOfDocuments

The MSES_MOSS_IndexerCatalogsNumOfDocuments policy monitors the increase in the number of documents indexed.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Application Monitoring

The application monitoring group monitors the available applications of the Microsoft Office SharePoint Server 2007. This monitoring group includes the following policies:

- MSES_MOSS_FwdApplicationInformation

- MSES_MOSS_FwdApplicationWarning

- MSES_MOSS_FwdApplicationError

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Server Logging

MSES_MOSS_FwdApplicationError

The MSES_MOSS_FwdApplicationError policy handles all error messages from all Microsoft Office SharePoint services.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_FwdApplicationInformation

The MSES_MOSS_FwdApplicationInformation policy handles information from all Microsoft Office SharePoint services .

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_MOSS_FwdApplicationWarning

The MSES_MOSS_FwdApplicationWarning policy handles the warning messages from all Microsoft Office SharePoint services.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **Microsoft Office SharePoint Server 2007** → **Auto-Deploy / Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Microsoft Office SharePoint Server 2007 Reports

Microsoft Enterprise Servers SPI provides the following reports for Microsoft Office SharePoint Server 2007.

Memory and CPU reports

These reports can be used to plan and predict capacity of Microsoft Office SharePoint Server 2007 deployment. They can assist determining whether an additional search server or Web front end server needs to be added to improve performance.

Note:
Deploy the WINOSSPI-WINOS_Win2k_Logging policy for these reports to function correctly.

Daily/Weekly CPU Usage Summary(g_MOSS2k7CPUSummary.rpt/g_MOSS2k7CPUWeeklySummary.rpt)

This report shows summary CPU statistics of MOSS 2007 server's services installed nodes in an enterprise deployment. The displays for every six hours over the last 7 days, compared with overall CPU statistics of the system, in both graphical and tabular format. This report can help administrators see which server is heavily loaded and which process is causing so much load.

Daily/Weekly Memory Usage Summary(g_MOSS2k7MemorySummary.rpt/ g_MOSS2k7MemoryWeeklySummary.rpt)

This report shows summary CPU statistics of MOSS 2007 server's services installed nodes in an enterprise deployment. The data displays for every six hours over the last 7 days, compared with overall CPU statistics of the system, in both graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the services.

IIS Worker Process reports

Weekly Summary of IIS Worker Process CPU Usage(g_MOSS2k7_IIS_CPUWeeklySummary.rpt)

This report shows the size of each index, total free space, and total used space left on each of the SharePoint Portal Server 2003 Indexing servers. The report shows data points, and charts for every 12 hours in each day over the past seven days.

Note:
Deploy the WINOSSPI-IISCollector and NET_SPS_Logging policies for this report to function correctly.

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2007 Graphs
- Microsoft Enterprise Servers SPI Microsoft SharePoint 2007 Policies

Microsoft Office SharePoint Server 2007 Graphs

The following predefined graphs for Microsoft Office SharePoint Server 2007 are available with the Microsoft Enterprise Servers SPI:

SharePoint Server Admin service CPU usage

This graph shows summary CPU statistics of the SharePoint admin service process (spsadmin.exe). This data can be compared with System Processor Time to determine to what extent the SharePoint admin service is utilizing processor time.

SharePoint Portal Server Admin service Memory usage

This graph shows summary memory statistics of the SharePoint admin service process (spsadmin.exe). The summarized process statistics show private bytes, and working set used by the process.

Counters:

- Process.Private Bytes
- Process.Working Set

SharePoint Portal Server Search Service CPU usage

This graph shows summary CPU statistics of the SharePoint search service process (mssearch.exe). This data can be compared with System Processor Time to determine to what extent the SharePoint admin service is utilizing processor time.

SharePoint Portal Server Search Service Memory usage

This graph shows summary memory statistics of the SharePoint search service process (mssearch.exe). The summarized process statistics include the private bytes, and working set used by the process.

Counters:

- Process.Private Bytes
- Process.Working Set

SharePoint Search Service Page Faults/sec

This graph shows summary memory statistics of the SharePoint Search service process (mssearch.exe). The summarized process statistics include the Page Faults\sec by the process.

Counters:

- Process:Page Faults\sec

SharePoint Portal Server SingleSignon Service CPU usage

This graph shows summary CPU statistics of the SharePoint Single sign on service process (SSOSRV.exe). This data can be compared with System Processor Time to determine to what extent the SharePoint Single sign on service is utilizing processor time.

SharePoint Portal Server SingleSignon Service Memory usage

This graph shows summary memory statistics of the SharePoint single sign on service process (SSOSRV.exe). The summarized process statistics include the private bytes, and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set

SharePoint Portal Server SPTimer Service CPU Usage

This graph shows summary CPU statistics of the SharePoint SPTimer service process (OWSTIMER.exe). This data can be compared with System Processor Time to determine to what extent the SharePoint SPTimer service is utilizing processor time.

SharePoint Portal Server SPTimer Service Memory usage

This graph shows summary memory statistics of the SharePoint SPTimer service process (OWSTIMER.exe). The summarized process statistics include the private bytes and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set, Process

IIS Worker process CPU usage

This graph shows summary CPU statistics of the IIS worker process service (w3wp.exe). This data can be compared with System Processor Time to determine to what extent the IIS worker process service is utilizing processor time, which can be used in making decisions about whether to add additional web front end servers.

IIS Worker process Memory usage

This graph shows summary memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the private bytes and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set.

IIS Worker processes Page Faults

This graph shows summary memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the Page Faults\sec by the process.

Counters:

- Process:Page Faults\sec

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft Office SharePoint 2007 Policies

- Microsoft Enterprise Servers SPI Microsoft Office SharePoint 2007 Reports

Chapter 6

Microsoft Enterprise Servers SPI - Microsoft SharePoint Server 2010

Overview

Microsoft SharePoint 2010 is the latest version of the business collaboration software solutions developed by Microsoft. It comes with a host of new features compared to its predecessor, Microsoft Office SharePoint Server 2007 (MOSS).

Microsoft SharePoint 2010 is designed to replace and maintain the web requirements of your organization. It manages and provides improved functionalities such as intranet and extranet portals, document and file management, and tools for social networking and business intelligence.

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2010 Policies

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2010 Reports

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2010 Graphs

Microsoft Enterprise Servers Microsoft SharePoint Server 2010 SPI Policies

The Microsoft Enterprise Servers SPI policies monitor the Microsoft SharePoint Server 2010. The policies offer the following monitoring processes:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint Server 2010 Reports

- Microsoft Enterprise Servers SPI Microsoft SharePoint Server 2010 Graphs

Discovery

The Discovery group discovers the services of the Microsoft SharePoint Server 2010.

This monitoring group includes the Microsoft SharePoint Server 2010 Discovery policy.

Related Topics:

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Microsoft SharePoint Server 2010 Discovery

The Sharepoint_Discovery policy discovers the services of the Microsoft SharePoint Server 2010.

Policy Type: Service Auto-Discovery policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Discovery**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Availability Monitoring

The Availability Monitoring group monitors the services of the Microsoft SharePoint Server 2010. This monitoring group includes the following policies:

- MSES_SPS_14_AdminService

- MSES_SPS_14_Document Conversions Load Balancer Service

- MSES_SPS_14_OfficeServerSearchService

- MSES_SPS_14_TimerService

- MSES_SPS_14_Document Conversions Launcher Service

- MSES_SPS_14_SearchService

Related Topics:

- Discovery

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Active Queue Length

The MSES_SPS_14_Active Queue Length policy monitors the Sharepoint Foundation Search Gatherer/Active Queue Length counter.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **SharePoint Server 2010** ⟶ **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_AdminService

The MSES_SPS_14_AdminService policy monitors the SharePoint 2010 Administration Service. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **SharePoint Portal Server** ⟶ **SharePoint Server 2010** ⟶ **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Document Conversions Load Balancer Service

The MSES_SPS_14_Document Conversions Load Balancer Service policy monitors the Document Conversions Load Balancer for Microsoft SharePoint Server 2010 Service process. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **SharePoint Portal Server** ➞ **SharePoint Server 2010** ➞ **Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_SPS_14_Document Conversions Launcher Service

The MSES_SPS_14_Document Conversions Launcher Service policy monitors Document Conversions Launcher Service process. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **SharePoint Portal Server** ➞ **SharePoint Server 2010** ➞ **Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_SPS_14_OfficeServerSearchService

The MSES_SPS_14_OfficeServerSearchService policy monitors the SharePoint Server Search 14 Service. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **SharePoint Portal Server** ➞ **SharePoint Server 2010** ➞ **Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_SearchService

The MSES_SPS_14_SearchService policy monitors the SharePoint Foundation Search V4 Service. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_TimerService

The MSES_SPS_14_TimerService policy monitors the SharePoint 2010 Timer Service. If the service is stopped, it can be restarted using the operator-initiated action.

Schedule: This policy runs every 5 minutes.

Policy Type: Windows Management Interface policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Server Logging

The Server Logging group collects the following metrics for all the logging processes applicable to the Microsoft SharePoint Server 2010.

Metric Name	Data Type
Instance Name	Text
Working Set	Real64
Page Faults per sec	Real64
Private Bytes	Real64
Thread Count	Real64
Processor Time (%)	Real64

This monitoring group includes the following policies:

- MSES_SPS_14_Logging_Process_SPS.Conversions.LoadBalancer
- MSES_SPS_14_Logging_Process_WSSTRACING
- MSES_SPS_14_Logging_Process_SPWRITER
- MSES_SPS_14_Logging_Process_WSADMIN
- MSES_SPS_14_Logging_Process_OWSTIMER
- MSES_SPS_14_Logging_Process_MSSEARCH
- MSES_SPS_14_Logging_Process_w3wp
- MSES_SPS_14_Logging_Process_ SPS.Conversions.Launcher

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring

MSES_SPS_14_Logging_Process_ SPS.Conversions.LoadBalancer

The MSES_SPS_14_Logging_Process_SPS.Conversions.LoadBalancer policy collects data for Microsoft Office Server Conversions LoadBalancer.

Service Name: Document Conversions Load Balancer for Microsoft SharePoint Server 2010

Monitored Process: Microsoft.Office.Server.Conversions.LoadBalancer.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Portal Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_ SPS.Conversions.Launcher

The MSES_SPS_14_Logging_Process_ SPS.Conversions.Launcher policy collects data for conversions.Launcher process.

Service Name: Document Conversions Launcher for Microsoft SharePoint Server 2010

Monitored Process: Microsoft.Office.Server.Conversions.Launcher.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_WSSTRACING

The MSES_SPS_14_Logging_Process_WSSTRACING policy collects data for the WSSTRACING process.

Service Name: SharePoint 2010 Tracing

Monitored Process: wsstracing.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_MSSEARCH

The MSES_SPS_14_Logging_Process_MSSEARCH policy collects data for the MSSEARCH process.

Service Name: Microsoft SharePoint Portal Server Search Service

Monitored Process: mssearch.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_OWSTIMER

The MSES_SPS_14_Logging_Process_OWSTIMER policy collects data for the OWSTIMER process.

Service Name: SharePoint Foundation Timer

Monitored Process: owstimer.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_SPWRITER

The MSES_SPS_14_Logging_Process_SPWRITER policy collects data for the SPWRITER process.

Service Name: SharePoint 2010 VSS Writer

Monitored Process: spwriter.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_w3wp

The MSES_SPS_14_Logging_Process_w3wp policy collects data for w3wp process.

Service Name: IIS worker process

Monitored Process: w3wp.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Logging_Process_WSSADMIN

The MSES_SPS_14_Logging_Process_WSSADMIN policy collects data for WSSADMIN process.

Service Name: SharePoint Administration Service

Monitored Process: wssadmin.exe

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **SharePoint Portal Server** ➝ **SharePoint Server 2010** ➝ **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Service Monitoring

The Service Monitoring group monitors the available services of the Microsoft SharePoint Server 2010. This monitoring group includes the following policies:

- MSES_SPS_14_Database_Monitoring

- MSES_SPS_14_Logical_Services_Monitoring

- MSES_SPS_14_Documents Delayed Retry

- MSES_SPS_14_HeartBeats

- MSES_SPS_14_Active Queue Length

- MSES_SPS_14_ReasonToBackOff

- MSES_SPS_14_IndexerCatalogsNumOfDocuments

Related Topics:

- Discovery

- Availability Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Database_Monitoring

The MSES_SPS_14_Database_Monitoring policy checks the status of the database instances of the SharePoint 2010 server.

Schedule: This policy runs every 30 minutes.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_SPS_14_ Logical Services_Monitoring

The MSES_SPS_14_ Logical Services_Monitoring policy checks the status of the Sharepoint logical services.

Schedule: This policy runs every 30 minutes.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery
- Availability Monitoring
- Service Monitoring
- Application Monitoring
- Server Logging

MSES_SPS_14_HeartBeats

The MSES_SPS_14_HeartBeats policy monitors the Sharepoint Foundation Search Gatherer/HeartBeats counters of the SharePoint 2010 server.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_Documents Delayed Retry

The MSES_SPS_14_Documents Delayed Retry policy monitors the Sharepoint Foundation Search Gatherer/Documents Delayed Retry counter.

Schedule: This policy runs every 20 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ SharePoint Portal Server ➝ SharePoint Server 2010 ➝ Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_ReasonToBackOff

The MSES_SPS_14_ReasonToBackOff policy monitors the Sharepoint Foundation Search Gatherer\Reason To Back Off counter.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ SharePoint Portal Server ➝ SharePoint Server 2010 ➝ Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_IndexerCatalogsNumOfDocuments

The MSES_SPS_14_IndexerCatalogsNumOfDocuments policy monitors the increase in the number of documents indexed.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Application Monitoring

The Application Monitoring group monitors the available applications of the Microsoft SharePoint Server 2010. This monitoring group includes the following policies:

- MSES_SPS_14_FwdApplicationWarning

- MSES_SPS_14_FwdApplicationError

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Server Logging

MSES_SPS_14_FwdApplicationError

The MSES_SPS_14_FwdApplicationError policy manages all error messages from all Microsoft SharePoint 2010 server services.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **SharePoint Portal Server** → **SharePoint Server 2010** → **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

MSES_SPS_14_FwdApplicationWarning

The MSES_SPS_14_FwdApplicationWarning policy handles the warning messages from all the Microsoft SharePoint 2010 services.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **SharePoint Portal Server** ➞ **SharePoint Server 2010** ➞ **Manual-Deploy**

Related Topics:

- Discovery

- Availability Monitoring

- Service Monitoring

- Application Monitoring

- Server Logging

Microsoft SharePoint 2010 Reports

The Microsoft SharePoint 2010 reports can be used to plan and predict the deployment capacity of Microsoft SharePoint Server 2010.

Note:
You must deploy the policy,MSES_SPS_14_Logging_Process_MSSEARCH, for the following reports to function accurately.

SP2k10CPUSummary

The SP2k10CPUSummary report shows the summary of the CPU statistics of SharePoint Server Search process compared with the overall CPU statistics of the system, in graphical and tabular format.

SP2k10CPUWeeklySummary

The SP2k10CPUWeeklySummary report shows the weekly summary of the CPU statistics of SharePoint Server Search process compared with the overall CPU statistics of the system, in graphical and tabular format.

SP2k10MemorySummary

The SP2k10MemorySummary report shows a summary of the memory statistics of the SharePoint Server Search process in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the mssearch process.

SP2k10MemoryWeeklySummary

The SP2k10MemoryWeeklySummary report shows a weekly summary of the memory statistics of the SharePoint Portal Server processes in graphical and tabular format. The summarized process

statistics include the page faults per second, private bytes, and working set used by the mssearch process.

ⓘNote:

You have to deploy the policy, MSES_SPS_14_Logging_Process_w3wp, for the following report to function accurately.

SP2k10WeeklyIISCPUSummary

The SP2k10WeeklyIISCPUSummary report shows a summary of the CPU statistics of the IIS worker processes for Front End web servers of a SharePoint Portal Server deployment. The IIS worker processes CPU utilization is compared with overall system CPU utilization.

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2010 Graphs

- Microsoft Enterprise Servers SPI Microsoft SharePoint 2010 Policies

Microsoft SharePoint Server 2010 Graphs

The following predefined graphs for Microsoft SharePoint Server 2010 are available with the Microsoft Enterprise Servers SPI:

SharePoint Server Admin Service CPU

The SharePoint Server Admin Service CPU graph shows the summary CPU statistics of the SharePoint admin service process (wssadmin.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint admin service is utilizing processor time.

SharePoint Server Admin Service Memory Usage

The SharePoint Server Admin Service Memory Usage graph shows the summary of memory statistics of the SharePoint admin service process (wssadmin.exe). The summarized process statistics show private bytes, and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set

SharePoint Server Search Service CPU

The SharePoint Server Search Service CPU graph shows a summary of the CPU statistics of the SharePoint search service process (mssearch.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint admin service is utilizing processor time.

SharePoint Server Search Service Memory

The SharePoint Server Search Service Memory graph shows a summary of the memory statistics of the SharePoint search service process (mssearch.exe). The summarized process statistics include the private bytes, and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set

SharePoint Search Service Page Faults/sec

The SharePoint Search Service Page Faults/sec graph shows a summary of the memory statistics of the SharePoint Search service process (mssearch.exe). The summarized process statistics include the Page Faults/sec by the process.

Counters:

- Process.Page Faults/sec

SharePoint Server SPTimer Service CPU

The SharePoint Server SPTimer Service CPU graph shows a summary of the CPU statistics of the SharePoint SPTimer service process (OWSTIMER.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint SPTimer service is utilizing processor time.

SharePoint Server SPTimer Service Memory

The SharePoint Server SPTimer Service Memory graph shows a summary of the memory statistics of the SharePoint SPTimer service process (OWSTIMER.exe). The summarized process statistics include the private bytes and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set

IIS Worker process CPU usage

The IIS Worker process CPU usage graph shows a summary of the CPU statistics of the IIS worker process service (w3wp.exe). This data can be compared with System Processor Time to determine the extent to which the IIS worker process service is utilizing processor time, which can be used in making decisions about whether to add additional web front end servers.

IIS Worker process Memory usage

The IIS Worker process Memory usage graph shows a summary of the memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the private bytes and working set used by the process.

Counters:

- Process.Private Bytes

- Process.Working Set.

IIS Worker processes Page Faults

This graph shows a summary of the memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the Page Faults/sec by the process.

Counters:

- Process.Page Faults/sec

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft Office SharePoint 2010 Policies

- Microsoft Enterprise Servers SPI Microsoft Office SharePoint 2010 Reports

Chapter 7

Microsoft Enterprise Servers SPI - Microsoft SharePoint Server 2013

Microsoft SharePoint Server 2013 is designed to replace and maintain the web requirements of your organization. It manages and provides improved functionalities such as intranet and extranet portals, document and file management, tools for social networking and business intelligence.

Policies

The Microsoft Enterprise Servers SPI for Microsoft Sharepoint Server 2013 has the following policy groups:

- Availability
- Configuration
- Discovery
- Event Monitoring
- Performance

Availability

Availability policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → SharePoint Portal Server → Microsoft Office Sharepoint Server 2013 → Availability

Measurement Threshold Policies

Policy	Description	Schedule	Service
SHAREPOINT_ SharePointAdminServState	This policy checks the status of the SharePoint Administration service V4 Service.	VERY_ HIGH	SPAdminV4

Policy	Description	Schedule	Service
SHAREPOINT_ SharePointSearchHostCntrlServState	This policy checks the status of the SharePoint Search Host Controller Service.	VERY_ HIGH	SPSearchHostController
SHAREPOINT_ SharePointServerSearchServState	This policy checks the status of the SharePoint Server Search 15 Service.	VERY_ HIGH	OSearch15
SHAREPOINT_ SharePointTimerServState	This policy checks the status of the SharePoint Timer Service.	VERY_ HIGH	SPTimerV4
SHAREPOINT_ SharePointTracingServState	This policy checks the status of the SharePoint Tracing Service.	VERY_ HIGH	SPTraceV4
SHAREPOINT_ SharePointUserCodeHostServState	This policy checks the status of the SharePoint User Code Host Service.	VERY_ HIGH	SPUserCodeV4

Configuration

Configuration policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → SharePoint Portal Server → Microsoft Office Sharepoint Server 2013 → Configuration

Policy	Description
SharePoint_CollectionSchedule	This is a configuration file policy which contains the schedule for all defined collections.
SharePoint_MetricDefinition	This is a configuration file policy which contains the details of the metrics collected for a collection. This policy also contains alarm information of defined metrics.

Discovery

Discovery policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → **en** → **SharePoint Portal Server** → **Microsoft Office Sharepoint Server 2013** → **Discovery**

Policy	Description
SharePoint2013_Discovery	This policy discovers the Microsoft SharePoint Servers.

Event Monitoring

Event Monitoring policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → **en** → **SharePoint Portal Server** → **Microsoft Office Sharepoint Server 2013** → **Event Monitoring**

Errors

Policy	Description
SPSPI_SharePointServerEvents	This policy forwards all application errors for various event sources of SharePoint servers to HPOM.

Performance

Performance policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → **en** → **SharePoint Portal Server** → **Microsoft Office Sharepoint Server 2013** → **Performance**

Policy	Description
SHAREPOINT_SCH_ SHAREPOINT_HIGH	This is the schedule task policy for collecting SharePoint metrics with frequency HIGH.

Reports

The Microsoft Enterprise Servers SPI for Microsoft Sharepoint Server 2013 has the following reports:

SharePointCPUSummary

This report displays summary CPU statistics of Sharepoint Server Search process compared with overall CPU statistics of the system, in graphical and tabular format.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the SHAREPOINT_Collect_ Sharepoint_Process_MSSEARCH collection.

Schedule Task Policy: SHAREPOINT_SCH_SHAREPOINT_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SP_PROCESS: INSTANCENAME
- SP_PROCESS: PCTPROCESSORTIME
- SP_PROCESSOR: GBL_CPU_TOTAL_UTIL

Reporter table: SP_PROCESS, SP_PROCESSOR

Report Template File Name: g_SharePointCPUSummary.rpt

Summarization: 60 Minutes

Retention Period: 60 Days

SharePointCPUWeeklySummary

This report displays summary CPU statistics of SharePoint Server services compared with overall CPU statistics of the system, in graphical and tabular format.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- SHAREPOINT_Collect_Sharepoint_Process_MSSEARCH

- SHAREPOINT_Collect_Sharepoint_Process_WSSADMIN

- SHAREPOINT_Collect_SharePoint_Process_WSSTRACING

- SHAREPOINT_Collect_SharePoint_Process_SPWriter

- SHAREPOINT_Collect_SharePoint_Process_OWSTIMER

- SHAREPOINT_Collect_SharePoint_Process_w3wp

Schedule Task Policy: SHAREPOINT_SCH_SHAREPOINT_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SP_PROCESS: INSTANCENAME

- SP_PROCESS: PCTPROCESSORTIME

- SP_PROCESSOR: GBL_CPU_TOTAL_UTIL

Reporter table: SP_PROCESS, SP_PROCESSOR

Report Template File Name: g_SharePointCPUWeeklySummary.rpt

Summarization: 60 Minutes

Retention Period: 60 Days

SharePointMemorySummary

This report displays summary memory statistics of SharePoint Server Search process in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the mssearch process.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the SHAREPOINT_Collect_ Sharepoint_Process_MSSEARCH collection.

Schedule Task Policy: SHAREPOINT_SCH_SHAREPOINT_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SP_PROCESS: INSTANCENAME

- SP_PROCESS: WORKINGSET

- SP_PROCESSOR: PAGEFAULTS

- SP_PROCESSOR: PRIVATEBYTES

Reporter table: SP_PROCESS

Report Template File Name: g_SharePointMemorySummary.rpt

Summarization: 60 Minutes

Retention Period: 60 Days

SharePointMemoryWeeklySummary

This report displays summary memory statistics of SharePoint Portal Server processes in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the document manager process.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- SHAREPOINT_Collect_Sharepoint_Process_MSSEARCH
- SHAREPOINT_Collect_Sharepoint_Process_WSSADMIN
- SHAREPOINT_Collect_SharePoint_Process_WSSTRACING
- SHAREPOINT_Collect_SharePoint_Process_SPWriter
- SHAREPOINT_Collect_SharePoint_Process_OWSTIMER
- SHAREPOINT_Collect_SharePoint_Process_w3wp

Schedule Task Policy: SHAREPOINT_SCH_SHAREPOINT_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SP_PROCESS: INSTANCENAME
- SP_PROCESS: WORKINGSET
- SP_PROCESSOR: PAGEFAULTS
- SP_PROCESSOR: PRIVATEBYTES

Reporter table: SP_PROCESS

Report Template File Name: g_SharePointMemoryWeeklySummary.rpt

Summarization: 60 Minutes

Retention Period: 60 Days

SharePointWeeklyIISCPUSummary

This report displays summary CPU statistics of the IIS worker processes for front-end web servers of a SharePoint Portal Server deployment. The IIS worker processes CPU utilization is compared with overall system CPU utilization.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the SHAREPOINT_Collect_ SharePoint_Process_w3wp collection.

Schedule Task Policy: SHAREPOINT_SCH_SHAREPOINT_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SP_PROCESS: INSTANCENAME

- SP_PROCESS: PCTPROCESSORTIME

- SP_PROCESSOR: GBL_CPU_TOTAL_UTIL

Reporter table: SP_PROCESS, SP_PROCESSOR

Report Template File Name: g_SharePoint_IIS_CPUWeeklySummary.rpt

Summarization: 60 Minutes

Retention Period: 60 Days

Graphs

Graphs are pictorial representation of the various metrics. Graphs contain data that are collected by policies. Graphs for Microsoft Enterprise Servers SPI for Microsoft Sharepoint Server 2013 are as follows:

SharePoint Search Service CPU

The SharePoint Search Service CPU graph shows a summary of the CPU statistics of the SharePoint search service process (mssearch.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint admin service is utilizing processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ Sharepoint_Process_ MSSEARCH	SHAREPOINT_ C10011	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Search Service Memory

The SharePoint Search Service Memory graph shows a summary of the memory statistics of the SharePoint search service process (mssearch.exe). The summarized process statistics include the private bytes, and working set used by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ Sharepoint_Process_ MSSEARCH	SHAREPOINT_ C10011	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Search Service Page Faults/sec

The SharePoint Search Service Page Faults/sec graph shows a summary of the memory statistics of the SharePoint Search service process (mssearch.exe). The summarized process statistics include the Page Faults/sec by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ Sharepoint_Process_ MSSEARCH	SHAREPOINT_ C10011	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Server Admin Service CPU

The SharePoint Server Admin Service CPU graph shows the summary CPU statistics of the SharePoint admin service process (wssadmin.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint admin service is utilizing processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ Sharepoint_Process_ WSSADMIN	SHAREPOINT_ C10012	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Server Admin Service Memory

The SharePoint Server Admin Service Memory graph shows the summary of memory statistics of the SharePoint admin service process (wssadmin.exe). The summarized process statistics show private bytes, and working set used by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ Sharepoint_Process_ WSSADMIN	SHAREPOINT_ C10012	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Server SPTimer Service CPU

The SharePoint Server SPTimer Service CPU graph shows a summary of the CPU statistics of the SharePoint SPTimer service process (OWSTIMER.exe). This data can be compared with System Processor Time to determine the extent to which the SharePoint SPTimer service is utilizing processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ SharePoint_Process_ OWSTIMER	SHAREPOINT_ C10015	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

SharePoint Server SPTimer Service Memory

The SharePoint Server SPTimer Service Memory graph shows a summary of the memory statistics of the SharePoint SPTimer service process (OWSTIMER.exe). The summarized process statistics include the private bytes and working set used by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ SharePoint_Process_ OWSTIMER	SHAREPOINT_ C10015	SHAREPOINT:SP_ PROCESS	SHAREPOINT_ SCH_ SHAREPOINT_ HIGH

IIS Worker process CPU usage

The IIS Worker process CPU usage graph shows a summary of the CPU statistics of the IIS worker process service (w3wp.exe). This data can be compared with System Processor Time to determine the extent to which the IIS worker process service is utilizing processor time, which can be used in making decisions about whether to add additional web front end servers.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ SharePoint_Process_w3wp	SHAREPOINT_ C10016	SHAREPOINT:SP_ PROCESS	SHAREPOINT_SCH_ SHAREPOINT_HIGH

IIS Worker process Memory usage

The IIS Worker process Memory usage graph shows a summary of the memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the private bytes and working set used by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ SharePoint_Process_w3wp	SHAREPOINT_ C10016	SHAREPOINT:SP_ PROCESS	SHAREPOINT_SCH_ SHAREPOINT_HIGH

IIS Worker processes Page Faults

This graph shows a summary of the memory statistics of the IIS worker process service (w3wp.exe). The summarized process statistics include the Page Faults per second by the process.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
SHAREPOINT_Collect_ SharePoint_Process_w3wp	SHAREPOINT_ C10016	SHAREPOINT:SP_ PROCESS	SHAREPOINT_SCH_ SHAREPOINT_HIGH

Chapter 8

Microsoft Enterprise Servers SPI - Office Communications Server 2007

Overview

The Microsoft Enterprise Servers SPI monitors the Microsoft Office Communications Server 2007 and helps in unhindered flow of communications within the enterprises. The Microsoft Enterprise Servers SPI monitors the following OCS servers for process monitoring and service management, and for logging data used by Office Communications Server 2007 reports and graphs.

Policy Groups of Office Communications Server 2007

The OCS has the following policy groups:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

Related Topics

- Deployment of Microsoft Enterprise Servers SPI Office Communications Server Policies
- Microsoft Enterprise Servers SPI Office Communications Server Reports

• Microsoft Enterprise Servers SPI Office Communications Server Graphs

Microsoft Enterprise Servers SPI Office Communications Server 2007 Policies

The Microsoft Enterprise Servers SPI monitors the Microsoft Office Communications Server 2007 and helps in unhindered flow of communications within the enterprises. The Microsoft Enterprise Servers SPI offers the following policies for process monitoring and service management, and for logging data used by Office Communications Server 2007 reports and graphs.

Policy Groups of Office Communications Server 2007

The OCS has the following policy groups:

• Discovery

• AccessEdgeServer

• ArchivingCDRServer

• AVConfServer

• AVEdgeServer

• Configuration

• CWAServer

• FrontEndServer

• IMConfServer

• MediationServer

• TelConfServer

• WebCompServer

• WebConfServer

• WebEdgeServer

• Others

Related Topics

• Deployment of Microsoft Enterprise Servers SPI Office Communications Server 2007 Policies

• Microsoft Enterprise Servers SPI Office Communications Server Reports

• Microsoft Enterprise Servers SPI Office Communications Server Graphs

Deployment of Microsoft Enterprise Servers SPI Office Communications Server 2007 Policies

The Microsoft Enterprise Servers SPI policies can be deployed on OCS 2007 and OCS 2007 R2. Ensure to deploy the relevant policies.

Assign only those policy groups on the managed nodes which host the roles that the policy group is related to. For example if the managed node hosts the AccessEdge Server, deploy only the AccessEdge Server policy group, and so on.

Related Topics

- Microsoft Enterprise Servers SPI Office Communications Server 2007 Policies

Discovery

The Discovery policy group contains the OCS_Discovery policy which discovers the OCS roles and services.

Related Topics

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_Discovery

Microsoft Office Communications Server 2007 Discovery policy discovers the following OCS roles and services:

- **Roles**

  - A/V edge server

  - Access edge server

  - Web conferencing edge server

  - Instant Messaging Conferencing Server

  - Telephony Conferencing Server

  - Web conferencing server

  - A/V conferencing server

  - Communicator Web Access

  - Archiving and CDR Server

  - Mediation server

  - Web Components Server

- **Services**

  - Front End Service

  - Audio/Video Conferencing service

  - IM Conferencing service

  - Telephony Conferencing Service

  - Web Conferencing Service

  - Archiving and CDR service

  - Audio/Video Authentication service

  - Audio/Video Edge service

  - Access Edge service

  - Web Conferencing Edge service

  - Mediation service

If the node to which the policy is deployed is a member of an OCS pool, then the policy discovers the following components - pool, the pool type (standard/enterprise), and the members of the pool. If the agent is not running under the default account (Local System account) on the managed node, then create a user who is a member of the RTCUniversalGuestAccessGroup, if the node is a member of the OCS pool. For Edge Servers, provide the privileges of a Local Administrator.

Edit the username and password in the policy and enter the credentials of this user. Save and close the policy and deploy the edited policy to the node.

The username format for the:

- *DCE agent* - domain\user

- *HTTPS* - domain\\user

Policy type: Service Auto-Discovery

Policy group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → Discovery**

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

AccessEdgeServer

Deploy this policy group on an Access Edge Server. The Access Edge Server is located in the perimeter network. It validates incoming SIP traffic, then forwards the IM traffic between internal and external users. In Live Communications Server 2005, it was called the Access Proxy.

The Access Edge Server and Web Conferencing Server can be configured on the same server. The A/V Edge Server can also be configured on the same server.

The following policies of this policy group can be deployed on OCS 2007 and OCS 2007 R2:

- OCS_AccessEdgeServer_ActiveTLSConnections

- OCS_AccessEdgeServer_AddressSpaceUsage

- OCS_AccessEdgeServer_AverageIncomingMessageProcessingTime

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedDomain

- OCS_AccessEdgeServer_FlowControlledConnections

- OCS_AccessEdgeServer_IncomingRequestsDroppedPerSec

- OCS_AccessEdgeServer_MsgPerSecDroppedDueToUnknownDomain

- OCS_AccessEdgeServer_MsgsDroppedPerSecDueToCertMismatch

- OCS_AccessEdgeServer_RejectedExtEdgeClientConnectionsPerSec

- OCS_AccessEdgeServer_RejectedExtEdgeServerConnectionsPerSec

- OCS_AccessEdgeServer_SendsTimedOut

- OCS_AccessEdgeServer_AboveLimitConnectionsDropped

- OCS_AccessEdgeServer_FlowControlledConnectionsDropped

- OCS_AccessEdgeServer_MessagesInServer

- OCS_Check_AccessEdgeServiceStatus

- OCS_AccessEdgeService_Logging

- OCS_AccessEdgeService_PageFaultsPerSec

- OCS_AccessEdgeService_PrivateBytes

- OCS_AccessEdgeService_ProcessorTime

- OCS_AccessEdgeService_ThreadCount

- OCS_AccessEdgeService_WorkingSet

- OCS_AccessEdgeServer_IncomingResponsesDroppedPerSec

- OCS_AccessEdgeServer_IncomingMsgHeldAboveOverloadWatermark

Deploy the following policies only on OCS 2007:

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedIMDomain

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnauthIMDomain

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnresolvedDomain

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToIncompMsgDomain

Deploy the following policies only on OCS 2007 R2:

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedIMDomain_R2

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnauthIMDomain_R2

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnresolvedDomain_R2

- OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToIncompMsgDomain_R2

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_Logging

The OCS_AccessEdgeServer_Logging policy logs the following metrics as mentioned in the table into the data store (CODA / HP Performance Agent) for the instance _Total. If a metric value is unavailable, this policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ AccessEdgeService_Logging policy.

Instance	Performance Object
_Total	LC:SIP - 02 – Protocol\SIP - 021 - Average Incoming Message Processing Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_ACCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ FlowControlledConnectionsDropped

The OCS_AccessEdgeServer_FlowControlledConnectionsDropped policy monitors the total number of connections dropped because of excessive flow-control.

Performance Object: LC:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 024 - Flow-controlled Connections Dropped

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Office_Communications_Server_2007** ➞ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_AddressSpaceUsage

The OCS_AccessEdgeServer_AddressSpaceUsage policy monitors the percentage of available address space currently in use by the server process.

Performance Object: LC:SIP - 07 - Load Management

Counter: SIP - 009 - Address space usage

Threshold: This policy has the following threshold:

- Warning: 65

- Critical: 75

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Office_Communications_Server_2007** ⟶ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_PrivateBytes

The OCS_AccessEdgeService_PrivateBytes policy monitors the Private Bytes counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_AccessEdgeServiceStatus

The OCS_Check_AccessEdgeServiceStatus policy checks the status of the Access Edge Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCSrv

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_AccessEdgeServer_ActiveTLSConnections

The OCS_AccessEdgeServer_ActiveTLSConnections policy monitors the number of established TLS connections that are currently active. TLS Connection is considered established when peer certificate and, possibly, host name are verified for trust relationship.

Performance Object: LC:API - 00 - API Application Instance Counters

Instance: _Total

Counter: API - 026 - Transactions Pending Dispatch Completion

Threshold: When the difference between two samples is greater than:

- Warning: 500

- Critical: 1000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ MsgsDroppedPerSecDueToCertMismatch

The OCS_AccessEdgeServer_MsgsDroppedPerSecDueToCertMismatch policy monitors the number of messages dropped per second because the remote peer's certificate did not contain a matching FQDN.

Performance Object: LC:SIP - 02 – Protocol

Counter: SIP - 011 - Messages/sec Dropped Due To Certificate Mismatch

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ RejectedExtEdgeServerConnectionsPerSec

The OCS_AccessEdgeServer_RejectedExtEdgeServerConnectionsPerSec policy monitors the number of server connections rejected at the external edge per second because all federation is disabled.

Performance Object: LC:SIP - 08 - Access Edge Server Connections

Counter: SIP - 013 - Rejected External Edge Server Connections/sec

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_SendsTimedOut

The OCS_AccessEdgeServer_SendsTimedOut policy monitors the total number of sends dropped because they stayed in the outgoing (send) queue for too long.

Performance Object: LC:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 018 - Sends Timed-Out

Threshold: When the difference between two samples is greater than:

- Warning: 500

- Critical: 1000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ IncomingResponsesDroppedPerSec

The OCS_AccessEdgeServer_IncomingResponsesDroppedPerSec policy monitors the number of incoming responses dropped per second because they could not be processed (due to bad headers, insufficient routing information, server resource allocation failure).

Performance Object: LC:SIP - 02 - Protocol

Counter: SIP - 005 - Incoming Responses Dropped/sec

Threshold: Configuration recommended

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_WorkingSet

The OCS_AccessEdgeService_WorkingSet policy monitors the Working Set counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Microsoft_Office_ Communications_Server**→ **Microsoft_Office_Communications_Server_2007**→ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ MsgPerSecDroppedDueToUnknownDomain

The OCS_AccessEdgeServer_MsgPerSecDroppedDueToUnknownDomain policy monitors the number of messages that could not be routed per second because the message domain is not in the routing table.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 021 - Messages/sec Dropped Due To Unknown Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_FlowControlledConnections

The OCS_AccessEdgeServer_FlowControlledConnections policy monitors the number of connections that are currently being flow-controlled (no socket receives are posted).

Performance Object: LC:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 023 - Flow-controlled Connections

Threshold: When the difference between two samples is greater than :

- Warning: 50

- Critical: 100

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Microsoft_Office_Communications_Server**→ **Microsoft_Office_Communications_Server_2007**→ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_ThreadCount

The OCS_AccessEdgeService_ThreadCount policy monitors the Thread Count counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Office_Communications_Server_2007** ➞ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ RejectedExtEdgeClientConnectionsPerSec

The OCS_AccessEdgeServer_RejectedExtEdgeClientConnectionsPerSec policy monitors the number of client connections rejected at the external edge per second because remote user access is disabled.

Performance Object: LC:SIP - 08 - Access Edge Server Connections

Counter: SIP - 015 - Rejected External Edge Client Connections/sec

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_Logging

The OCS_AccessEdgeService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances RTCSrv or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ AccessEdgeService_Logging policy.

Instance	Performance Object
RTCSrv	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_PageFaultsPerSec

The OCS_AccessEdgeService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others ss

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToBlockedDomain

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedDomain policy monitors the number of messages dropped at the external edge per second because the domain is in the blocked list.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 027 - External Messages/sec Dropped Due To Blocked Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_MessagesInServer

The OCS_AccessEdgeServer_MessagesInServer policy monitors the number of messages currently being processed by the server.

Performance Object: LC:SIP - 02 – Protocol

Counter: SIP - 012 - Messages In Server

Threshold: When the difference between two samples is greater than:

- Warning: 2500

- Critical: 5000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ AverageIncomingMessageProcessingTime

The OCS_AccessEdgeServer_AverageIncomingMessageProcessingTime policy monitors the average time (in seconds) it takes to process an incoming message.

Performance Object: LC:SIP - 02 – Protocol

Counter: SIP - 021 - Average Incoming Message Processing Time

Threshold: This policy has the following threshold:

- Warning: 3

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeService_ProcessorTime

The OCS_AccessEdgeService_ProcessorTime policy monitors the % Processor Time counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Microsoft_Office_Communications_Server**→ **Microsoft_Office_Communications_Server_2007**→ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ IncomingRequestsDroppedPerSec

The OCS_AccessEdgeServer_IncomingRequestsDroppedPerSec policy monitors the number of incoming requests dropped per second because they could not be processed (due to bad headers, insufficient routing information, server resource allocation failure).

Performance Object: LC:SIP - 02 - Protocol

Counter: SIP - 005 - Incoming Requests Dropped/sec

Threshold: Configuration recommended

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_Check_AVAuthServiceStatus

The OCS_Check_AVAuthServiceStatus policy checks the status of the Audio/Video Authentication Service and sends a critical message if the service is not running. When you receive

the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCMRAUTH

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_Check_AVEdgeServiceStatus

The OCS_Check_AVEdgeServiceStatus policy checks the status of the Audio/Video Conferencing Edge Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCMEDIARELAY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ AboveLimitConnectionsDropped

The OCS_AccessEdgeServer_AboveLimitConnectionsDropped policy monitors the total number of connections that were dropped because the limit on number of incoming connections from a federated partner or clearinghouse was exceeded.

Performance Object: LC:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 004 - Above Limit Connections Dropped (Access Proxies only)

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer**

Related Topics:

HP Operations Smart Plug-in for Microsoft Enterprise Servers (8.05)

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_IncomingMsgHeldAboveOverloadWatermark

The OCS_AccessEdgeServer_IncomingMsgHeldAboveOverloadWatermark policy monitors the number of incoming messages currently being held by the server for processing for more than the overload watermark time threshold.

Performance Object: LC:SIP - 07 - Load Management

Counter: SIP - 004 - Incoming Messages Held Above Overload Watermark

Threshold: Configuration recommended

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AccessEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToUnresolvedDomain

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnresolvedDomain policy monitors the number of messages dropped at the external edge per second because the domain failed to resolve by DNS SRV.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 053 - External Messages/sec Dropped Due To Unresolved Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer → OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToUnresolvedDomain_R2

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnresolvedDomain_R2 policy monitors the number of messages dropped at the external edge per second because the domain failed to resolve by DNS SRV.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

*Counter:*SIP - 057 - External Messages/sec Dropped Due To Unresolved Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer** → **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToIncompMsgDomain

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToIncompMsgDomain policy monitors the number of messages dropped at the external edge per second because the federation type of the domain is incompatible with previous messages.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 061 - External Messages/sec Dropped Due To Incompatible Message Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AccessEdgeServer** ➝ **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToIncompMsgDomain_R2

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToIncompMsgDomain policy monitors the number of messages dropped at the external edge per second because the federation type of the domain is incompatible with previous messages.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: Domain, SIP - 069 - External Messages/sec Dropped Due To Incompatible Message Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer → OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToUnauthIMDomain

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnauthIMDomain policy monitors the number of messages dropped at the external edge per second because the domain did not resolve by DNS SRV to the connection peer FQDN.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 057 - External Messages/sec Dropped Due To Unauthorized IM Service Provider Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AccessEdgeServer** → **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToUnauthIMDomain_R2

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToUnauthIMDomain_R2 policy monitors the number of messages dropped at the external edge per second because the domain did not resolve by DNS SRV to the connection peer FQDN.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 061 - External Messages/sec Dropped Due To Unauthorized IM Service Provider Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ▸ **en** ▸ **Microsoft_Office_ Communications_Server** ▸ **Microsoft_Office_Communications_Server_2007** ▸ **AccessEdgeServer** ▸ **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToBlockedIMDomain

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedIMDomain policy monitors the number of messages dropped at the external edge per second because the domain resolved by DNS SRV to a server that is blocked in the IM Service Providers table.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 055 - External Messages/sec Dropped Due To Blocked IM Service Provider Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AccessEdgeServer → OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AccessEdgeServer_ ExtMsgPerSecDroppedDueToBlockedIMDomain_R2

The OCS_AccessEdgeServer_ExtMsgPerSecDroppedDueToBlockedIMDomain_R2 policy monitors the number of messages dropped at the external edge per second because the domain resolved by DNS SRV to a server that is blocked in the IM Service Providers table.

Performance Object: LC:SIP - 09 - Access Edge Server Messages

Counter: SIP - 059 - External Messages/sec Dropped Due To Blocked IM Service Provider Domain

Threshold: This policy has the following threshold:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Office_Communications_Server_2007** ⟶ **AccessEdgeServer** ⟶ **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CreateDataSources

The OCS_CreateDataSources policy creates the OCS data source (CODA or HP Performance Agent) into which OCS SPI logging policies log data. Ensure to run this policy on the node before you deploy any logging policy.

*Policy Type:*Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **Configuration**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

ArchivingCDRServer

Deploy this policy group on Archiving and CDR server. The Archiving and CDR Server is located in the internal network. It supports archiving instant messaging (IM) conversations and group conferences and for capturing usage information related to file transfers, audio/video (A/V) conversations, application sharing, remote assistance, meetings, and conferencing servers in call detail records (CDRs).

To implement archiving and CDR support, one or more Archiving and CDR servers must be deployed in the organization and the Enterprise pool or Standard Edition Server should point to the Archiving and CDR Server. The database for the Archiving and CDR Server can be deployed on the same computer as the Archiving and CDR Server or on a separate computer.

This policy group has the following policies:

- OCS_ArchivingCDRServer_NumberOfDroppedMQMessages

- OCS_ArchivingCDRServer_NumberOfMessagesNotWrittenToDB

- OCS_ArchivingCDRServer_NumberOfValidationFailedMessages

- OCS_Check_ArchivingCDRServiceStatus

- OCS_ArchivingCDRService_Logging

- OCS_ArchivingCDRService_PageFaultsPerSec

- OCS_ArchivingCDRService_PrivateBytes

- OCS_ArchivingCDRService_ProcessorTime

- OCS_ArchivingCDRService_ThreadCount

- OCS_ArchivingCDRService_WorkingSet

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRService_Logging

The OCS_ArchivingCDRService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the counters RTCArch or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ ArchivingCDRService_Logging policy.

Instance	Performance Object
RTCArch	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_ArchivingCDRService_ThreadCount

The OCS_ArchivingCDRService_ThreadCount policy monitors the Thread Count counter of the Archiving and CDR service.

Performance Object: Process

Counter: RTCArch

Instance: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_ArchivingCDRServiceStatus

The OCS_Check_ArchivingCDRServiceStatus policy checks the status of the Archiving and CDR Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCLOG

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_ArchivingCDRServer_ NumberOfMessagesNotWrittenToDB

The OCS_ArchivingCDRServer_NumberOfMessagesNotWrittenToDB policy monitors the number of messages that validation failed for.

Performance Object: LC:Arch Service - 01 - READ

Counter: Arch Service - 002 - Messages that failed validation

Threshold: When the difference between two samples is greater than then Critical: 1

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRService_PageFaultsPerSec

The OCS_ArchivingCDRService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Archiving and CDR service.

Performance object: Process

Instance: RTCArch

Counter: Page Faults/sec

Threshold: The policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRService_WorkingSet

The OCS_ArchivingCDRService_WorkingSet monitors the Working Set counter of the Archiving and CDR service.

Performance object: Process

Instance: RTCArch

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Performance Monitoring policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRServer_ NumberOfDroppedMQMessages

The OCS_ArchivingCDRServer_NumberOfDroppedMQMessages policy monitors the number of messages dropped from MSMQ queue.

Performance object: LC:Arch Service - 01 – READ

Counter: Arch Service - 006 - Dropped messages from MQ

Threshold: When the difference between two samples is greater than then Critical: 1

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRService_ProcessorTime

The OCS_ArchivingCDRService_ProcessorTime policy monitors the % Processor Time counter of the Archiving and CDR service.

Performance object: Process

Instance: RTCArch

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRServer_ NumberOfValidationFailedMessages

The OCS_ArchivingCDRServer_NumberOfValidationFailedMessages policy monitors the number of messages failed to be written to SQL database.

Performance object: LC:Arch Service - 02 – WRITE

Counter: Arch Service - 002 - Messages failed to be written to DB

Threshold: When the difference between two samples is greater than then Critical: 1

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ArchivingCDRService_PrivateBytes

The OCS_ArchivingCDRService_PrivateBytes policy monitors the Private Bytes counter of the Archiving and CDR service.

Performance object: Process

Instance: RTCArch

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Performance Monitoring policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → ArchivingCDRServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

AVConfServer

Deploy this policy group on AV Conferencing server. The AV Conferencing Server is located in the internal network. It enables audio and video peer-to-peer communications and audio and video conferencing. This server role is available on a Standard Edition Server.

In an Enterprise pool, it can be either joined with the Front End Server and Web Conferencing Server or can be deployed on a separate server.

This policy group has the following policies:

- OCS_Check_AVConfServiceStatus

- OCS_AVConfServer_MCUHealthState

- OCS_AVConfServer_NumberOfActiveConferences

- OCS_AVConfService_Logging

- OCS_AVConfService_PageFaultsPerSec

- OCS_AVConfService_PrivateBytes

- OCS_AVConfService_ProcessorTime

- OCS_AVConfService_ThreadCount

- OCS_AVConfService_WorkingSet

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_AVConfServiceStatus

The OCS_Check_AVConfServiceStatus policy checks the status of the Audio/Video Conferencing Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to retstart the service.

Monitored service: RTCAVMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVConfServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_AVConfServer_MCUHealthState

The OCS_AVConfServer_MCUHealthState policy monitors the current health of the MCU. This is considered as:

- 0 = Normal
- 1 = Loaded

- 2 = Full

- 3 = Unavailable

Performance Object: AVMCU - 04 - MCU Health And Performance

Counter: AVMCU - 005 - MCU Health State

Threshold: This policy has the following threshold:

- Warning: 1

- Critical: 2

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfServer_NumberOfActiveConferences

The OCS_AVConfServer_NumberOfActiveConferences policy monitors the number of active conferences on the A/V Conferencing Server.

Performance Object: AVMCU - 00 - Operations

Counter: AVMCU - 000 - Number of Conferences

Threshold: When the difference between two samples is greater than:

- Warning: 4000

- Critical: 5000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → en → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_Logging

The OCS_AVConfService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances AVMCUSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

ⓘ**Note:**
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ AVConfEdgeService_Logging policy.

Instance	Performance Object
AVMCUSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_PageFaultsPerSec

The OCS_AVConfService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_PrivateBytes

The OCS_AVConfService_PrivateBytes policy monitors the Private Bytes counter of the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_ProcessorTime

The OCS_AVConfService_ProcessorTime policy monitors the % Processor Time counter of the Front End service.

Performance Object: Process

Instance: AVMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_ThreadCount

The OCS_AVConfService_ThreadCount policy monitors the Thread Count counter of the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVConfService_WorkingSet

The OCS_AVConfService_WorkingSet policy monitors the Working Set counter of the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy
file:///C:/InformationEngineering/2012/MSES/Testing/OHFlare-vpw010/Content/vpw010/OCS_
CWAServer
Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_**
Communications_Server → **Microsoft_Office_Communications_Server_2007** →
AVConfServer

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

AVEdgeServer

Deploy this policy group on AV Edge server. The AV Edge Server is located in the perimeter network. It provides a single trusted point through which media traffic can traverse NATs and firewalls. It enables audio and video conferencing and A/V peer-to-peer communications with external users equipped with the Office Communicator 2007 client.

This server role can be either configured with the Access Edge Server and Web Conferencing Edge Server, or it can reside on a separate, dedicated server.

You can deploy the following policies on OCS 2007 and OCS 2007 R2:

- OCS_AVAuthService_PageFaultsPerSec
- OCS_AVAuthService_PrivateBytes
- OCS_AVAuthService_ProcessorTime
- OCS_AVAuthService_ThreadCount
- OCS_AVAuthService_WorkingSet
- OCS_AVAuthService_Logging
- OCS_Check_AVAuthServiceStatus
- OCS_Check_AVEdgeServiceStatus
- OCS_AVEdgeService_PageFaultsPerSec
- OCS_AVEdgeService_PrivateBytes
- OCS_AVEdgeService_ProcessorTime
- OCS_AVEdgeService_ThreadCount
- OCS_AVEdgeService_WorkingSet
- OCS_AVEdgeServer_BadRequestsReceivedPerSec
- OCS_AVEdgeServer_TCPAllocateRequestsExceedingPortLimitPerSec
- OCS_AVEdgeServer_TCPAuthenticationFailuresPerSec
- OCS_AVEdgeServer_UDPAllocateRequestsExceedingPortLimitPerSec
- OCS_AVEdgeServer_UDPAuthenticationFailuresPerSec

Deploy the following polices *only* on OCS 2007:

- OCS_AVEdgeServer_Logging
- OCS_AVEdgeServer_TCPPacketsDroppedPerSec
- OCS_AVEdgeServer_UDPActiveSessionsExceedingBandwidthLimit
- OCS_AVEdgeServer_UDPPacketsDroppedPerSec
- OCS_AVEdgeServer_TCPActiveSessionsExceedingBandwidthLimit

Deploy the following policies on OCS 2007 R2:

- OCS_AVEdgeServer_Logging_R2

- OCS_AVEdgeServer_TCPPacketsDroppedPerSec_R2

- OCS_AVEdgeServer_UDPActiveSessionsExceedingBandwidthLimit_R2

- OCS_AVEdgeServer_UDPPacketsDroppedPerSec_R2

- OCS_AVEdgeServer_TCPActiveSessionsExceedingBandwidthLimit_R2

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_ UDPAllocateRequestsExceedingPortLimitPerSec

The OCS_AVEdgeServer_UDPAllocateRequestsExceedingPortLimitPerSec policy monitors the number of requests allocated over UDP that exceeded the port limit per second.

Performance Object: A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: - 006 - Allocate Requests Exceeding Port Limit/Sec

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Office_Communications_Server_2007 ⟶ AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_ TCPAllocateRequestsExceedingPortLimitPerSec

The OCS_AVEdgeServer_TCPAllocateRequestsExceedingPortLimitPerSec policy monitors the number of allocated requests over TCP per second that exceeded the port limit.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 006 - Allocate Requests Exceeding Port Limit/Sec

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Office_Communications_Server_2007 ⟶ AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_PrivateBytes

The OCS_AVEdgeService_PrivateBytes policy monitors the Private Bytes counter of the Audio/Video Conferencing Edge Service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007
Schedule: This policy runs every 5 minutes.
Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_WorkingSet

The OCS_AVEdgeService_WorkingSet policy monitors the Working Set counter of the Audio/Video Conferencing Edge Service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_Logging

The OCS_AVEdgeService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances MediaRelaySvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ AVEdgeService_Logging policy.

Instance	Performance Object
MediaRelaySvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Office_Communications_Server_2007** ➞ **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_Logging_R2

The OCS_AVEdgeService_Logging_R2 policy logs the following metrics into the data store (CODA or HP Performance Agent) for the counters MediaRelaySvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
 Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ AVEdgeService_Logging policy.

Counter	Performance Object
MediaRelaySvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type:

Policy Group: **Policy management** →**Policy groups** →**SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_Communications_Server** →**AVEdge**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_AVEdgeService_ThreadCount

The OCS_AVEdgeService_ThreadCount policy monitors the Thread Count counter of the Audio/Video Conferencing Edge Service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100
- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_ProcessorTime

The OCS_AVEdgeService_ProcessorTime monitors the % Processor Time counter of the Audio/Video Conferencing Edge Service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeService_PageFaultsPerSec

The OCS_AVEdgeService_PageFaultsPerSec monitors the Page Faults/sec counter of the Audio/Video Conferencing Edge Service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_UDPAuthenticationFailuresPerSec

The OCS_AVEdgeServer_UDPAuthenticationFailuresPerSec policy monitors the number of failed attempts to authenticate with the relay over UDP per second.

Performance Object: A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: - 004 - Authentication Failures/sec

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_TCPAuthenticationFailuresPerSec

The OCS_AVEdgeServer_TCPAuthenticationFailuresPerSec policy monitors the failed attempts to authenticate with the relay over TCP per second.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 004 - Authentication Failures/sec

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_BadRequestsReceivedPerSec

The OCS_AVEdgeServer_BadRequestsReceivedPerSec policy monitors the number of invalid requests received per second.

Performance Object: A/V Auth - 00 – Requests

Counter: - 003 - Bad Requests Received/sec

Threshold: This policy has the following threshold:

- Warning: 20

- Critical: 30

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_TCPPacketsDroppedPerSec

The OCS_AVEdgeServer_TCPPacketsDroppedPerSec policy monitors the number of packets over TCP dropped by the relay per second.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 023 - Packets Dropped/sec

Threshold: This policy has the following threshold:

- Warning: 200

- Critical: 300

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer** → **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_TCPPacketsDroppedPerSec_R2

The OCS_AVEdgeServer_TCPPacketsDroppedPerSec_R2 policy monitors the number of packets over TCP dropped by the relay per second.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 022 - Packets Dropped/sec

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer → OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_Logging

The OCS_AVEdgeServer_Logging policy logs the data into the data store (CODA / HP Performance Agent) for the instance _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources.html policy is running before you deploy the OCS_ AVEdgeService_Logging policy.

Instance	Performance Object
_Total	A/V Edge - 00 - UDP Counters\-004 - Authentication Failures/sec
	A/V Edge - 00 - UDP Counters\- 012 - Client Request Errors/sec (4xx Responses/sec)
	A/V Edge - 00 - UDP Counters\- 013 - Client Send Request Errors/sec
	A/V Edge - 00 - UDP Counters\- 017 - Session Idle Timeouts/sec
	A/V Edge - 01 - TCP Counters\-004 - Authentication Failures/sec
	A/V Edge - 01 - TCP Counters\- 012 - Client Request Errors/sec (4xx Responses/sec)
	A/V Edge - 01 - TCP Counters\- 014 - Client Send Request Errors/sec
	A/V Edge - 01 - TCP Counters\- 017 - Session Idle Timeouts

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_Logging_R2

The OCS_AVEdgeServer_Logging_R2 policy logs the data into the data store (CODA / HP Performance Agent) for the instance _Total. If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

 Note:
 Ensure that the OCS_CreateDataSources.html policy is running before you deploy the OCS_ AVEdgeService_Logging policy.

Instance	Performance Object
_Total	A/V Edge - 00 - UDP Counters\-004 - Authentication Failures/sec
	A/V Edge - 00 - UDP Counters\- 010 - Client Request Errors/sec (4xx Responses/sec)
	A/V Edge - 00 - UDP Counters\- 012 - Client Send Request Errors/sec
	A/V Edge - 00 - UDP Counters\- 015 - Session Idle Timeouts/sec
	A/V Edge - 01 - TCP Counters\-004 - Authentication Failures/sec
	A/V Edge - 01 - TCP Counters\- 011 - Client Request Errors/sec (4xx Responses/sec)
	A/V Edge - 01 - TCP Counters\- 013 - Client Send Request Errors/sec
	A/V Edge - 01 - TCP Counters\- 016 - Session Idle Timeouts

Schedule: This policy runs every 15 minutes.

Data Class: OCS_AVEDGE

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_AVEdgeServer_ TCPActiveSessionsExceedingBandwidthLimit

The OCS_AVEdgeServer_TCPActiveSessionsExceedingBandwidthLimit policy monitors the number of active relay sessions over TCP per second that are exceeding bandwidth limit.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 007 - Active Sessions Exceeding Bandwidth Limit

Threshold: This policy has the following threshold:

- Warning: 10
- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer → OCS2007**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_AVEdgeServer_ TCPActiveSessionsExceedingBandwidthLimit_R2

The OCS_AVEdgeServer_TCPActiveSessionsExceedingBandwidthLimit_R2 policy monitors the number of active relay sessions over TCP per second that are exceeding bandwidth limit.

Performance Object: A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: - 025 - Active Sessions Exceeding Avg Bandwidth Limit

Threshold: This policy has the following threshold:

- Warning: 10
- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer → OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_UDPPacketsDroppedPerSec

The OCS_AVEdgeServer_UDPPacketsDroppedPerSec policy monitors packets over UDP dropped by the relay per second rate.

Performance Object: A/V Edge – 00 - UDP Counters

Instance: _Total

Counter: - 022 - Packets Dropped/sec

Threshold: This policy has the following threshold:

- Warning: 200

- Critical: 300

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer → OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_UDPPacketsDroppedPerSec_R2

The OCS_AVEdgeServer_UDPPacketsDroppedPerSec_R2 policy monitors packets over UDP dropped by the relay per second rate.

Performance Object: A/V Edge – 00 - UDP Counters

Instance: _Total

Counter: - 021- Packets Dropped/sec

Threshold: This policy has the following threshold:

- Warning: 200

- Critical: 300

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 AVEdgeServer OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_PageFaultsPerSec

The OCS_AVAuthService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_PrivateBytes

The OCS_AVAuthService_PrivateBytes policy monitors the Private Bytes counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Private Bytes

Threhold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Office_Communications_Server_2007** ➞ **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_ProcessorTime

The OCS_AVAuthService_ProcessorTime policy monitors the % Processor Time counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_ThreadCount

The OCS_AVAuthService_ThreadCount policy monitors the monitors the Thread Count counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Thread

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_WorkingSet

The OCS_AVAuthService_WorkingSet policy monitors the Working Set counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVAuthService_Logging

The OCS_AVAuthService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances MRASSvc or _Total.

If a metric value is unavailable, this policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
 Ensure that theOCS_CreateDataSources.html policy is running before you deploy the OCS_ AVAuthService_Logging policy.

Instance	Performance Object
MRASSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **AVEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_ UDPActiveSessionsExceedingBandwidthLimit

The OCS_AVEdgeServer_UDPActiveSessionsExceedingBandwidthLimit policy monitors the number of active relay sessions over UDP that are exceeding bandwidth limit.

Performance Object: A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: - 007 - Active Sessions Exceeding Bandwidth Limit

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **AVEdgeServer** ➝ **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_AVEdgeServer_ UDPActiveSessionsExceedingBandwidthLimit_R2

The OCS_AVEdgeServer_UDPActiveSessionsExceedingBandwidthLimit_R2 policy monitors the number of active relay sessions over UDP that are exceeding bandwidth limit.

Performance Object: A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: - 026 Active Sessions Exceeding Avg Bandwidth Limit (R2)

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → AVEdgeServer → OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

Configuration

This policy group can be deployed on all Microsoft Office Communications Server 2007 server roles.

This policy group includes OCS_CreateDataSources.

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CreateDataSources

The OCS_CreateDataSources policy creates the OCS data source (CODA or HP Performance Agent) into which OCS SPI logging policies log data. Ensure to run this policy on the node before you deploy any logging policy.

Policy Type: Scheduled Task policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **Configuration**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

CWAServer

Deploy this policy group on Communicator Web Access server. The CWA server enables browser-based client access to Microsoft Office Communications Server 2007.

This group has the following policies:

- OCS_CWAServer_AuthFailuresDueToLDAPErrors

- OCS_CWAServer_FailedRequests

- OCS_CWAServer_LogonsDeniedDueToServerThrottling

- OCS_CWAServer_RequestsRejectedPerSecDueToInvalidTicket

- OCS_CWAServer_RequestsToNonExistentSessions

- OCS_CWAServer_SessionsFailedToSignIn

- OCS_CWAServer_SessionsTimedOut

- OCS_CWAServer_FormsLogonFailures

- OCS_CWAServer_IWALogonFailures

- OCS_CWAServer_LDAPErrors

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_LDAPErrors

The OCS_CWAServer_LDAPErrors policy monitors total number of LDAP errors that have occurred during Communicator Web Access directory search operations.

Performance Object: CWA - 00 - Directory Search

Instance: _Total

Counter: CWA - 003 - LDAP errors

Threshold: When the difference between two samples is greater than:

- Warning: 2

- Critical: 5

Schedule: This policy runs for 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → CWAServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_SessionsFailedToSignIn

The OCS_CWAServer_SessionsFailedToSignIn policy monitors the total number of user sessions that failed to sign in to Office Communications Server since the Communicator Web Access virtual server was started.

Performance Object: CWA - 03 - User session Service

Instance: _Total

Counter: CWA - 004 - Sessions failed to sign in

Threshold: When the difference between two samples is greater than:

- Warning: 50

- Critical: 75

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **CWAServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_IWALogonFailures

The OCS_CWAServer_IWALogonFailures policy monitors the total number of failed logons that used IIS authentication since the Communicator Web Access virtual server was started. The IIS authentication types used are NTLM, Kerberos, or single sign on (SSO) authentication if the Communicator Web Access server is in SSO mode.

Performance Object: CWA - 01 - Authentication Module

Instance: _Total

Counter: CWA - 007 - IWA auth logon failures

Threshold: When the difference between two samples is greater than:

- Warning: 300

- Critical: 500

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **CWAServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_AuthFailuresDueToLDAPErrors

The OCS_CWAServer_AuthFailuresDueToLDAPErrors policy monitors the total number of authorizations that have failed due to LDAP errors during binds and searches since the Communicator Web Access virtual server was started.

Performance Object: CWA - 01 - Authentication Module

Instance: _Total

Counter: CWA - 012 - LDAP error total

Threshold: When the difference between two samples is greater than:

- Warning: 300

- Critical: 500
Schedule: This policy runs every 15 minutes.
Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **CWAServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_LogonsDeniedDueToServerThrottling

The OCS_CWAServer_LogonsDeniedDueToServerThrottling policy monitors total number of logon attempts that were not allowed due to server throttling under heavy resource consumption.

Performance Object: CWA - 01 - Authentication Module

Instance: _Total

Counter: CWA - 014 - Logons denied due to server throttling

Threshold: When the difference between two samples is greater than:

- Warning: 10
- Critical: 15

Schedule: This policy runs for every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Office_Communications_Server_2007** ⟶ **CWAServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_CWAServer_ RequestsRejectedPerSecDueToInvalidTicket

The OCS_CWAServer_RequestsRejectedPerSecDueToInvalidTicket policy monitors the number of requests that were rejected per second due to an invalid ticket in the request. This problem occurs occasionally under normal circumstances, but spikes can be symptomatic of a denial of service attack or hacking attempt.

Performance Object: CWA - 02 – Security

Counter: CWA - 001 - Requests rejected due to invalid ticket / sec

Instance: _Total

Threshold: When the average between two samples is greater than

- Warning:5

- Critical:10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **Policy management**→**Policy groups**→**SPI for Microsoft Enterprise Servers**→**en**→**Microsoft_Office_Communications_Server**→**Microsoft_Office_Communications_Server_2007**

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_CWAServer_FormsLogonFailures

The OCS_CWAServer_FormsLogonFailures policy monitors total number of forms logon attempts that have failed since the Communicator Web Access virtual server was started.

Performance Object: CWA - 01 - Authentication Module

Instance: _Total

Counter: CWA - 003 - Forms auth logon failures

Threshold: When the difference between two samples is greater than:

- Warning: 300

- Critical: 500

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **CWAServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_CWAServer_SessionsTimedOut

The OCS_CWAServer_SessionsTimedOut policy monitors the total number of Communicator Web Access user sessions that timed out due to communication failure with clients.

Performance Object: CWA - 03 - User session Service

Counter: CWA - 007 - Total sessions timed out

Instance: _Total

Threshold: When the difference between two samples is greater than

- Warning: 250

- Critical: 500

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **Policy management → Policy groups → SPI for Microsoft Enterprise Servers → en → Microsoft_Office_Communications_Server → Microsoft_Office_Communications_ Server_2007**

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_CWAServer_FailedRequests

The OCS_CWAServer_FailedRequests policy monitors the total number of requests that failed to process since the Communicator Web Access virtual server was started.

Performance Object: CWA - 03 - User session Service

Counter: CWA - 018 - Total requests failed

Instance: _Total

Threshold: When the difference between two samples is greater than

- Warning: 250

- Critical: 500

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **Policy management▸Policy groups▸SPI for Microsoft Enterprise Servers▸ en▸Microsoft_Office_Communications_Server▸Microsoft_Office_Communications_ Server_2007**

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_CWAServer_RequestsToNonExistentSessions

The OCS_CWAServer_RequestsToNonExistentSessions policy monitors the total number of requests targeting nonexistent sessions since the Communicator Web Access virtual server was started.

Performance Object: CWA - 03 - User session Service

Counter: CWA - 016 - Requests to nonexistent sessions

Instance: _Total

Threshold: When the difference between two samples is greater than

- Warning: 250

- Critical: 500

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **Policy management▸Policy groups▸SPI for Microsoft Enterprise Servers▸ en▸Microsoft_Office_Communications_Server▸Microsoft_Office_Communications_ Server_2007**Critical: 500

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

FrontEnd Server

Deploy this policy group on a FrontEnd server. The FrontEnd Server is located in the internal network that hosts the IM Conferencing service, Address Book service, and Telephony Conferencing service to support registration, presence, IM, and conferencing.

This server role is available on a Standard Edition Server. In an Enterprise pool, it can either be configured with the Web Conferencing Server and A/V Conferencing Server, or can be deployed on a separate server.

The following policies can be deployed on OCS 2007 and OCS 2007 R2.

- OCS_Check_FrontEndServiceStatus

- OCS_FrontEndService_Logging

- OCS_FrontEndService_PageFaultsPerSec

- OCS_FrontEndService_PrivateBytes

- OCS_FrontEndService_ProcessorTime

- OCS_FrontEndService_ThreadCount

- OCS_FrontEndService_WorkingSet

- OCS_FrontEndServer_SendsOutstanding

- OCS_FrontEndServer_HoldingTimeForIncMsgs

- OCS_FrontEndServer_ProcessingLatency

- OCS_FrontEndServer_QueueLatency

Deploy the following policies on OCS 2007:

- OCS_FrontEndServer_Local503Responses

- OCS_FrontEndServer_Logging

- OCS_FrontEndServer_Local504Responses

Deploy the following policies on OCS 2007 R2:

- OCS_FrontEndServer_Local503Responses_R2

- OCS_FrontEndServer_Logging_R2

- OCS_FrontEndServer_Local504Responses_R2

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_PrivateBytes

The OCS_FrontEndService_PrivateBytes policy monitors the Private Bytes counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_HoldingTimeForIncMsgs

The OCS_FrontEndServer_HoldingTimeForIncMsgs policy monitors the average amount of time taken by the server to process a request.

Performance Object: LC:SIP - 07 - Load Management

Counter: Usrv - SIP - 000 - Average Holding Time For Incoming Messages

Threshold: When a sample is greater than:

- Warning: 4

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Office_Communications_Server_2007 FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_QueueLatency

The OCS_FrontEndServer_QueueLatency policy monitors the amount of time(in milliseconds) that a request is spent in the back end queue

Performance Object: LC:USrv - 00 - DBStore

Counter: Usrv - 002 - Queue Latency (msec)

Threshold: When a sample is greater than:

- Warning: 4000

- Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Office_Communications_Server_2007 ⟶ FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_ProcessorTime

The OCS_FrontEndService_ProcessorTime policy monitors the the % Processor Time counter of the Front End service.

Performance Object: Process

Instance: AVMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_FrontEndServiceStatus

The OCS_Check_FrontEndServiceStatus policy checks the status of the Front-End Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCSrv

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_Logging

The OCS_FrontEndService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances RTCSrv or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_
FrontEndService_Logging policy.
This policy has the following metrics:

Instance	Performance Object
RTCSrv	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: OCS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_
Communications_Server → Microsoft_Office_Communications_Server_2007 →
FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_WorkingSet

The OCS_FrontEndService_WorkingSet policy monitors the Working Set counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_ThreadCount

The OCS_FrontEndService_ThreadCount policy monitors the Thread Count counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndService_PageFaultsPerSec

The OCS_FrontEndService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_ProcessingLatency

The OCS_FrontEndServer_ProcessingLatency policy monitors the amount of time (in milliseconds) that the back end spent in processing a request.

Performance Object: LC:USrv - 00 - DBStore

Counter: Usrv - 004- Sproc Latency (msec)

Threshold: When a sample is greater than:

- Warning: 4000

- Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_SendsOutstanding

The OCS_FrontEndServer_SendsOutstanding policy monitors the number of requests and responses that are queued outbound.

Performance Object: LC:SIP – 01 – Peers

Counter: SIP – 017 – Sends Outstanding

Threshold: When a sample is greater than:

- Warning: 100

- Critical: 200

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_
Communications_Server** → **Microsoft_Office_Communications_Server_2007** →
FrontEndServer

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Local503Responses

The OCS_FrontEndServer_Local503Responses policy monitors the number of 503 responses per
second. The 503 code indicates that the server is unavailable.

Performance Object: LC:SIP - 04 - Responses

Counter: SIP - 051 - Local 503 Responses/sec

Threshold: When a sample is greater than :

- Warning: 2

- Critical: 5

Schedule: This policy runs every15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **FrontEndServer** → **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Local503Responses_R2

The OCS_FrontEndServer_Local503Responses_R2 policy monitors the number of 503 responses per second. The 503 code indicates that the server is unavailable.

Performance Object: LC:SIP - 04 - Responses

Counter: SIP - 055 - Local 503 Responses/sec

Threshold: When a sample is greater than :

- Warning: 2

- Critical: 5

Schedule: This policy runs every15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **FrontEndServer** → **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Local504Responses

The OCS_FrontEndServer_Local504Responses policy monitors the number of 504 responses per second. The 504 code indicates connectivity problems with other servers.

Performance Object: LC:SIP - 04 - Responses

Counter: SIP - 053 - Local 504 Responses/sec

Threshold: When a sample is greater than :

- Warning: 2

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → FrontEndServer → OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Local504Responses_R2

The OCS_FrontEndServer_Local504Responses_R2 policy monitors the number of 504 responses per second. The 504 code indicates connectivity problems with other servers.

Performance Object: LC:SIP - 04 - Responses

Counter: SIP - 057 - Local 504 Responses/sec

Threshold: When a sample is greater than :

- Warning: 2

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **FrontEndServer** ➝ **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Logging

The OCS_FrontEndServer_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances msec or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ FrontEndService_Logging policy.

This policy has the following metrics:

Instance	Performance Object
msec	LC:USrv - 00 – DBStore\Usrv - 002 - Queue Latency
	LC:USrv - 00 – DBStore\Usrv - 004- Sproc Latency
_Total	LC:SIP - 07 - Load Management\SIP - 000 - Average Holding Time For Incoming Messages
	LC:SIP - 04 – Responses\SIP - 051 - Local 503 Responses/sec
	LC:SIP - 04 – Responses\SIP - 053 - Local 504 Responses/sec
	LC:SIP - 01 – Peers\SIP - 017 - Sends Outstanding

Data Class: OCS_FRONTEND

Schedule: This policy runs every 15 minutes.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **FrontEndServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FrontEndServer_Logging_R2

The OCS_FrontEndServer_Logging_R2 policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances msec or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ FrontEndService_Logging policy.
This policy has the following metrics:

Instance	Performance Object
msec	LC:USrv - 00 – DBStore\Usrv - 002 - Queue Latency
	LC:USrv - 00 – DBStore\Usrv - 004- Sproc Latency
_Total	LC:SIP - 07 - Load Management\SIP - 000 - Average Holding Time For Incoming Messages
	LC:SIP - 04 – Responses\SIP - 055 - Local 503 Responses/sec

	LC:SIP - 04 – Responses\SIP - 057 - Local 504 Responses/sec
	LC:SIP - 01 – Peers\SIP - 017 - Sends Outstanding

Data Class: OCS_FRONTEND

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: ***SPI for Microsoft Enterprise Servers*** → ***en*** → ***Microsoft_Office_ Communications_Server*** → ***Microsoft_Office_Communications_Server_2007*** → ***FrontEndServer***

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

IMConfServer

Deploy this policy group on IM Conferencing Server. The IM Conferencing Server is an instant messaging server. It is the conferencing server of OCS 2007.

It provides server-managed group IM. It runs as a separate process on the Standard Edition Server or Enterprise pool Front End Server.

This policy group includes the following policies:

- OCS_Check_IMConfServiceStatus

- OCS_IMConfService_PageFaultsPerSec

- OCS_IMConfService_PrivateBytes

- OCS_IMConfService_ProcessorTime

- OCS_IMConfService_ThreadCount

- OCS_IMConfService_WorkingSet

- OCS_IMFConfService_Logging

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_IMConfService_ThreadCount

The OCS_IMConfService_ThreadCount policy monitors the Thread Count counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Office_Communications_Server_2007** ⟶ **IMConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_IMConfService_ProcessorTime

The OCS_IMConfService_ProcessorTime policy monitors the % Processor Time counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Performance Monitoring policy

Policy Group: **Policy management** ⟶ **Policy groups** ⟶ **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_Communications_Server** ⟶ **Microsoft_Office_Communications_ Server_2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_IMConfService_WorkingSet

The OCS_IMConfService_WorkingSet policy monitors the Working Set counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **IMConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_IMConfServiceStatus

The OCS_Check_IMConfServiceStatus policy checks the status of the IM Conferencing Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCIMMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → IMConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_IMFConfService_Logging

The OCS_IMFConfService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances IMMCUSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ IMFConfEdgeService_Logging policy.
This policy has the following metrics:

Instance	Performance Object
IMMCUSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: OCS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Microsoft_Office_ Communications_Server ➝ Microsoft_Office_Communications_Server_2007 ➝ IMConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_IMConfService_PageFaultsPerSec

The OCS_IMConfService_PageFaultsPerSec policy the monitors the Page Faults/sec counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50
- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → IMConfServer**

Related Topics:

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_IMConfService_PrivateBytes

The OCS_IMConfService_PrivateBytes policy monitors the Private Bytes counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Private Bytes

Threshold: The policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **IMConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

MediationServer

Deploy this policy group on the Mediation server. The Mediation Server is located in the internal network that mediates signaling and media between the Enterprise Voice infrastructure (such as a Director or home server) and another gateway (such as a Basic Media Gateway).

A Mediation Server is also used to link Office Communications Server and a PBX in both departmental deployment and PBX integration topologies. The Mediation Server is deployed on a separate, dedicated server.

This policy group includes the following policies:

- OCS_ MediationService _PageFaultsPerSec

- OCS_Check_MediationServiceStatus

- OCS_MediationService_Logging

- OCS_MediationService_PrivateBytes

- OCS_MediationService_ProcessorTime

- OCS_MediationService_ThreadCount

- OCS_MediationService_WorkingSet

- OCS_MediationServer_LoadCallFailureIndex

- OCS_MediationServer_RejectedSIPInvitesFromGateway

- OCS_MediationServer_RejectedSIPInvitesFromProxy

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationService_Logging

The OCS_MediationService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances MediationServerSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
 Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ MediationService_Logging policy.
This policy has the following metrics:

Insatnce	Performance Object
MediationServerSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: OCS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_ MediationService _PageFaultsPerSec

The OCS_ MediationService _PageFaultsPerSec policy monitors the Page Faults/sec counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationServer_LoadCallFailureIndex

The OCS_MediationServer_LoadCallFailureIndex policy monitors scaled index between zero and 100 that is related to all call failures due to heavy load.

Performance Object: MediationServer - 03 - Health Indices

Counter: 000 - Load Call Failure Index

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationServer_RejectedSIPInvitesFromGateway

The OCS_MediationServer_RejectedSIPInvitesFromGateway policy monitors the number of SIP INVITEs from gateway which were rejected immediately because of server load.

Performance Object: MediationServer - 01 - Inbound Calls

Counter: 003 - Total rejected

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationService_ThreadCount

The OCS_MediationService_ThreadCount policy monitors the Thread Count counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationService_ProcessorTime

The OCS_MediationService_ProcessorTime policy monitors the % Processor Time counter of the Mediation service.

Performance Object: Process

Counter: % Processor Time

Instance: MediationServerSvc

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Performance Monitoring policy

Policy Group: **Policy management▸Policy groups▸SPI for Microsoft Enterprise Servers▸ en▸Microsoft_Office_Communications_Server▸Microsoft_Office_Communications_ Server_2007**

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_MediationService_PrivateBytes

The OCS_MediationService_PrivateBytes policy monitors the Private Bytes counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers▸ en ▸ Microsoft_Office_ Communications_Server▸ Microsoft_Office_Communications_Server_2007▸ MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationService_WorkingSet

The OCS_MediationService_WorkingSet policy monitors the Working Set counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_MediationServer_RejectedSIPInvitesFromProxy

The OCS_MediationServer_RejectedSIPInvitesFromProxy policy monitors the number of SIP INVITEs from proxy which were rejected immediately because of server load.

Performance Object: MediationServer - 00 - Outbound Calls

Counter: 003 - Total rejected

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_MediationServiceStatus

The OCS_Check_MediationServiceStatus policy checks the status of the Mediation Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCMEDSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → MediationServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

TelConfServer

Deploy this policy group on Telephony Conferencing server. The Telephony Conferencing Server is a conferencing server. It enables audio conference integration with audio conferencing providers (ACPs). This server runs as a separate process on the Standard Edition Server or Enterprise pool Front End Server.

This policy group includes the following policies:

- OCS_Check_TelConfServiceStatus

- OCS_TelConfService_Logging

- OCS_TelConfService_PageFaultsPerSec

- OCS_TelConfService_PrivateBytes

- OCS_TelConfService_ProcessorTime

- OCS_TelConfService_ThreadCount

- OCS_TelConfService_WorkingSet

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_ThreadCount

The OCS_TelConfService_ThreadCount policy monitors the Thread Count counter of the Telephony Conferencing Service.

Performance Object: Process

Instance: AcpMcuSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_Logging

The OCS_TelConfService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances AcpMcuSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_TelConfEdgeService_Logging policy.
This policy has the following metrics:

Instance	Performance Object
AcpMcuSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: OCS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_PrivateBytes

The OCS_TelConfService_PrivateBytes policy monitors the Private Bytes counter of the Telephony Conferencing Service.

Performance Object: Process

Instance: AcpMcuSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**➝ **en** ➝ **Microsoft_Office_ Communications_Server**➝ **Microsoft_Office_Communications_Server_2007**➝ **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_TelConfServiceStatus

The OCS_Check_TelConfServiceStatus policy checks the status of the Telephony Conferencing Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCACPMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_PageFaultsPerSec

The OCS_TelConfService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Telephony Conferencing Service.

Performance Object: Process

Instance: AcpMcuSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_WorkingSet

The OCS_TelConfService_WorkingSet monitors the Working Set counter of the Telephony Conferencing Service.

Performance Object: Process

Instance: AcpMcuSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_TelConfService_ProcessorTime

The OCS_TelConfService_ProcessorTime policy monitors the Percentage Processor Time counter of the Telephony Conferencing Service.

Performance Object: Process

Instance: AcpMcuSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **TelConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

WebCompServer

Deploy this policy group on Web Components Server. The Web Components Server is located in the internal network. It provides IIS-based Web components that support Office Communications Server 2007.

These Web components include IIS Virtual Directory setup to support Address Book Server, the Web Conferencing Server (downloading of meeting content), and the IM Conferencing group expansion Web service. The Web Components Server runs on each Standard Edition Server and, for Enterprise pools, either on the Front End Server (in a consolidated configuration) or on a dedicated IIS server (in an expanded configuration).

The policies of this group must be deployed either on OCS 2007 or OCS 2007_R2.

Deploy the following policies on OCS 2007:

- OCS_WebCompServer_InvalidInputRequestsPerSec

- OCS_WebCompServer_TimedOutSecurityDescRequestsPerSec
Deploy the following policies on OCS_R2:

- OCS_WebCompServer_InvalidInputRequestsPerSec_R2

- OCS_WebCompServer_TimedOutSecurityDescRequestsPerSec_R2

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebCompServer_InvalidInputRequestsPerSec

The OCS_WebCompServer_InvalidInputRequestsPerSec policy monitors the number of invalid input requests per second.

Performance Object: LC:DLX - 00 - Distribution List Expansion

Counter: DLX - 016 - Invalid input requests/sec

Threshold: When a sample is greater than:

- Warning: 1

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Office_Communications_Server_2007** ⟶ **WebCompServer** ⟶ **OCS2007**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebCompServer_InvalidInputRequestsPerSec_R2

The OCS_WebCompServer_InvalidInputRequestsPerSec_R2 policy monitors the number of invalid input requests per second.

*Performance Object:*LC:DLX - 00 - Address Book and Distribution List Expansion

Counter: DLX - 016 - Invalid input requests/sec

Threshold: This policy has the following threshold:

- Warning: 1

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebCompServer** → **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebCompServer_ TimedOutSecurityDescRequestsPerSec

The OCS_WebCompServer_TimedOutSecurityDescRequestsPerSec policy monitors the number of timed out Security Descriptor fetch requests per second.

Performance Object: LC:DLX - 00 - Distribution List Expansion

Counter: DLX - 018 - Timed out Requests that fetch Security Descriptors/sec

Threshold: When the sample is greater than:

- Warning: 1

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebCompServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebCompServer_ TimedOutSecurityDescRequestsPerSec_R2

The OCS_WebCompServer_TimedOutSecurityDescRequestsPerSec_R2 policy monitors the number of timed out Security Descriptor fetch requests per second.

*Performance Object:*LC:DLX - 00 - Address Book and Distribution List Expansion

Counter: DLX - 018 - Timed out Requests that fetch Security Descriptors/sec

Threshold: When the sample is greater than:

- Warning: 1

- Critical: 5

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebCompServer** → **OCS2007_R2**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

WebConfServer

Deploy this policy group on Web Conferencing server. The Web Conferencing Server is located in the internal network that enables multi-party data collaboration. This server role is available on a Standard Edition Server.

In an Enterprise pool, it can be either configured with the Front End Server and A/V Conferencing Server, or can be deployed on a separate server.

This policy group includes the following policies:

- OCS_Check_WebConfServiceStatus

- OCS_WebConfServer_ComplianceErrors

- OCS_WebConfServer_MCUHealthState

- OCS_WebConfServer_NumberOfUnhandledApplExceptions

- OCS_WebConfServer_ResourcesOverConfSpaceLimit

- OCS_WebConfServer_SessionQueuesState

- OCS_WebConfService_Logging

- OCS_WebConfService_PageFaultsPerSec

- OCS_WebConfService_PrivateBytes

- OCS_WebConfService_ProcessorTime

- OCS_WebConfService_ThreadCount

- OCS_WebConfService_WorkingSet

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfService_ProcessorTime

The OCS_WebConfService_ProcessorTime policy monitors the % Processor Time counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfService_ThreadCount

The OCS_WebConfService_ThreadCount policy monitors the Thread Count counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfServer_ResourcesOverConfSpaceLimit

The OCS_WebConfServer_ResourcesOverConfSpaceLimit policy monitors the number of resource failed to be created because the Data MCU has reached the space limit for one or more conferences.

Performance Object: LC:DATAMCU - 00 - DataMCU Conferences

Counter: DATAMCU - 031 - Resources over conference space limit

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfService_WorkingSet

The OCS_WebConfService_WorkingSet policy monitors the Working Set counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfService_PageFaultsPerSec

The OCS_WebConfService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_WebConfServiceStatus

The OCS_Check_WebConfServiceStatus policy checks the status of the Web Conferencing Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCDATAMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfServer_MCUHealthState

The OCS_WebConfServer_MCUHealthState policy monitors the the current health of the MCU. It indicates 0 as Normal, 1 as Loaded, 2 as Full, and 3 as Unavailable.

Performance Object: LC:DATAMCU - 02 - MCU Health And Performance

Counter: DATAMCU - 005 - MCU Health State

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfService_Logging

The OCS_WebConfService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the counters DataMCUSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ WebConfEdgeService_Logging policy.

Instance	Performance Object
DataMCUSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **Policy management → Policy groups → SPI for Microsoft Enterprise Servers → en → Microsoft_Office_Communications_Server → WebConfServer**

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_WebConfServer_SessionQueuesState

The OCS_WebConfServer_SessionQueuesState policy monitors the state of the session queues.

Performance Object	LC:DATAMCU - 00 - DataMCU Conferences
Instance	N/A
Counter	DATAMCU - 041 - Session queues state
Interval	15 min

Threshold	When the difference between two samples is greater than Warning: 1 Critical: 2
Warning/Error Instruction Text	**Probable Cause(s):** When the Data MCU cannot handle the load capacity. **Suggested Action(s):** This should be a temporary condition. If this condition persists, increase the load capapcity of the Data MCU by provisioning more Data MCU machines.

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_WebConfServer_ComplianceErrors

The OCS_WebConfServer_ComplianceErrors policy monitors the number of errors reported by the compliance module.

Performance Object: LC:DATAMCU - 00 - DataMCU Conferences

Counter: DATAMCU - 026 - Compliance errors

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebConfServer_ NumberOfUnhandledApplExceptions

The OCS_WebConfServer_NumberOfUnhandledApplExceptions policy monitors the number of unhandled application exceptions.

Performance Object	LC:DATAMCU - 00 - DataMCU Conferences
Instance	N/A
Counter	DATAMCU - 038 - Number of Unhandled Application Exception
Interval	15 min
Threshold	When the difference between two samples is greater than Warning: 5 Critical: 10

Related Topics:

- Descriptions of Policy Groups & Types

- Discovery Policy

OCS_WebConfService_PrivateBytes

The OCS_WebConfService_PrivateBytes policy monitors the Private Bytes counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebConfServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

WebEdgeServer

Deploy this policy group on WebEdge server. The WebEdge Server is located in the perimeter network. It enables data collaboration with external users.

This server role is collocated with the Access Edge Server, except in remote offices, where the Web Conferencing Edge Server is deployed separately because no Access Edge Servers are deployed in the remote office.

This policy group has the following policies:

- OCS_Check_WebEdgeServiceStatus

- OCS_WebEdgeService_PageFaultsPerSec

- OCS_WebEdgeService_PrivateBytes

- OCS_WebEdgeService_ProcessorTime

- OCS_WebEdgeService_ThreadCount

- OCS_WebEdgeService_WorkingSet

- OCS_WebEdgeService_Logging

- OCS_WebEdgeServer_ClientsDisconPerSecInvalidCookieData

- OCS_WebEdgeServer_ClientsDisconPerSecInvalidCookieTimestamp

- OCS_WebEdgeServer_SystemThrottling

- OCS_WebEdgeServer_ThrottledServerConnections

Related Topics

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_PageFaultsPerSec

The OCS_WebEdgeService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeServer_ ClientsDisconPerSecInvalidCookieData

The OCS_WebEdgeServer_ClientsDisconPerSecInvalidCookieData policy monitors the number of clients disconnected per second due to invalid cookie data.

Performance Object: LC:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 012 - Clients disconnected per second due to invalid cookie data

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeServer_ ClientsDisconPerSecInvalidCookieTimestamp

The OCS_WebEdgeServer_ClientsDisconPerSecInvalidCookieTimestamp policy monitors the number of clients rejected per second due to invalid timestamps.

Performance Object: LC:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 008 - Clients disconnected per second due to invalid cookie timestamp

Threshold: This policy has the following threshold:

- Warning: 50

- Critical: 100

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_WorkingSet

The OCS_WebEdgeService_WorkingSet policy monitors the Working Set counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Working Set

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_PrivateBytes

The OCS_WebEdgeService_PrivateBytes policy monitors the Private Bytes counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Private Bytes

Threshold: This policy has the following threshold:

- Warning: 1.5e+007

- Critical: 2e+007

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_Check_WebEdgeServiceStatus

The OCS_Check_WebEdgeServiceStatus policy checks the status of the Web Conferencing Edge Service and sends a critical message if the service is not running. When you receive the critical message, click the message, and then click the **Commands** tab in Message Properties box. Click **Start** in the Operator Initiated box to restart the service.

Monitored service: RTCDATAPROXY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_ProcessorTime

The OCS_WebEdgeService_ProcessorTime policy monitors the % Processor Time counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: % Processor Time

Threshold: This policy has the following threshold:

- Warning: 80

- Critical: 90

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeServer_SystemThrottling

The OCS_WebEdgeServer_SystemThrottling policy indicates that system wide throttling is on.

Performance Object: LC:DATAPROXY - 00 - Server Connections

Instance: _Total

Counter: DATAPROXY - 041 - System is throttling

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_Logging

The OCS_WebEdgeService_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances DataProxy or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

ⓘ**Note:**
Ensure that the OCS_CreateDataSources policy is running before you deploy the OCS_ WebEdgeService_Logging policy.

Instance	Performance Object
DataProxy	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: OCS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Office_Communications_Server_2007** ➝ **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeService_ThreadCount

The OCS_WebEdgeService_ThreadCount policy monitors the Thread Count counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Thread Count

Threshold: This policy has the following threshold:

- Warning: 100

- Critical: 150

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Office_Communications_Server_2007 → WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_WebEdgeServer_ThrottledServerConnections

The OCS_WebEdgeServer_ThrottledServerConnections policy monitors the number of server connections currently that are throttled.

Performance Object: LC:DATAPROXY - 00 - Server Connections

Instance: _Total

Counter: DATAPROXY - 034 - Current count of server connections that are throttled

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **WebEdgeServer**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

Others

This policy group can be deployed on all Microsoft Office Communications Server 2007 server roles.

This policy group includes the following policies:

- OCS_FwdApplicationError
- OCS_FwdApplicationInformation
- OCS_FwdApplicationWarning

Related Topics

- Discovery
- AccessEdgeServer
- ArchivingCDRServer
- AVConfServer
- AVEdgeServer
- Configuration
- CWAServer
- FrontEndServer
- IMConfServer
- MediationServer
- TelConfServer
- WebCompServer
- WebConfServer
- WebEdgeServer
- Others

OCS_FwdApplicationError

The OCS_FwdApplicationError policy forwards all error messages logged in Windows Event Log by the following sources to the management console:

- OCS Server
- OCS Audio-Video Conferencing Server
- OCS Communicator Web Access Session Service
- OCS Data MCU
- OCS IM MCU
- OCS Intelligent IM Filter

- OCS MCU Infrastructure

- OCS Mediation Server

- OCS Protocol Stack

- OCS QoE Monitoring Server

- OCS User Replication

- OCS User Services

- OCS WMI Event Provider

- OCS ACP MCU

- OCS Address Book Server

- OCS Applications Module

- OCS AppDomain Host Process

- OCS Archiving Agent

- OCS Certificate Manager

- OCS Exchange Unified Message Routing<

- OCS Inbound Routing

- OCS MCU Factory

- OCS MCU Infrastructure

- OCS Outbound Routing

- OCS Translation Service

- OCS User Replicator

- OCS User Services

- OCS WMI Consumer

- OCS WMI Provider

- OCS Mediation Server

- OCS Distribution List Expansion Web Service

- OCS Web Conferencing Edge Server

- OCS LDM

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **Others**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FwdApplicationInformation

The OCS_FwdApplicationInformation policy forwards all informational messages logged in
Windows Event Log by the following sources to the management console:

- OCS Server

- OCS Audio-Video Conferencing Server

- OCS Communicator Web Access Session Service

- OCS Data MCU

- OCS IM MCU

- OCS Intelligent IM Filter

- OCS MCU Infrastructure

- OCS Mediation Server

- OCS Protocol Stack

- OCS QoE Monitoring Server

- OCS User Replication

- OCS User Services

- OCS WMI Event Provider

- OCS ACP MCU

- OCS Address Book Server

- OCS Applications Module

- OCS AppDomain Host Process

- OCS Archiving Agent

- OCS Certificate Manager

- OCS Exchange Unified Message Routing<

- OCS Inbound Routing

- OCS MCU Factory

- OCS MCU Infrastructure

- OCS Outbound Routing

- OCS Translation Service

- OCS User Replicator

- OCS User Services

- OCS WMI Consumer

- OCS WMI Provider

- OCS Mediation Server

- OCS Distribution List Expansion Web Service

- OCS Web Conferencing Edge Server

- OCS LDM

*Policy Type:*Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **Others**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

OCS_FwdApplicationWarning

The OCS_FwdApplicationWarning policy forwards all warning messages logged in Windows Event Log by the following sources to the management console:

- OCS Server

- OCS Audio-Video Conferencing Server

- OCS Communicator Web Access Session Service

- OCS Data MCU

- OCS IM MCU

- OCS Intelligent IM Filter

- OCS MCU Infrastructure

- OCS Mediation Server

- OCS Protocol Stack

- OCS QoE Monitoring Server

- OCS User Replication

- OCS User Services

- OCS WMI Event Provider

- OCS ACP MCU

- OCS Address Book Server

- OCS Applications Module

- OCS AppDomain Host Process

- OCS Archiving Agent

- OCS Certificate Manager

- OCS Exchange Unified Message Routing<

- OCS Inbound Routing

- OCS MCU Factory

- OCS MCU Infrastructure

- OCS Outbound Routing

- OCS Translation Service

- OCS User Replicator

- OCS User Services

- OCS WMI Consumer

- OCS WMI Provider

- OCS Mediation Server

- OCS Distribution List Expansion Web Service

- OCS Web Conferencing Edge Server

- OCS LDM

*Policy Type:*Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Office_Communications_Server_2007** → **Others**

Related Topics:

- Discovery

- AccessEdgeServer

- ArchivingCDRServer

- AVConfServer

- AVEdgeServer

- Configuration

- CWAServer

- FrontEndServer

- IMConfServer

- MediationServer

- TelConfServer

- WebCompServer

- WebConfServer

- WebEdgeServer

- Others

Microsoft Office Communications Server 2007 Reports

The Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2007 have the following reports:

Front End Service CPU Statistics

The Front End Service CPU Statistics report shows CPU statistics of the front end service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the front end service compared with the percentage of time the system's CPU was busy.

IM Conferencing Service CPU Statistics

The IM Conferencing Service CPU Statistics report shows CPU statistics of the IM conferencing service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the IM conferencing compared with the percentage of time the system's CPU was busy.

Access Edge Service CPU Statistics

The Access Edge Service CPU Statistics report shows CPU statistics of the access edge service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the access edge compared with the percentage of time the system's CPU was busy.

Front End Service Memory Statistics

The Front End Service Memory Statistics report shows summary memory statistics of the front end service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the front end service.

IM Conferencing Service Memory Statistics

The IM Conferencing Service Memory Statistics report shows summary memory statistics of the IM conferencing service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the IM conferencing service.

Access Edge Service Memory Statistics

The Access Edge Service Memory Statistics report shows summary memory statistics of the access edge service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the access edge service.

SQL Back End Latency Experienced By Front End Server

The SQL Back End Latency Experienced By Front End Server report shows the amount of time that a request spent in the queue to the SQL back end and the amount of time taken by the back end to process in graphical (line graph) and tabular format. If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

Average Holding Time for Incoming Messages on Front End Server

The Average Holding Time for Incoming Messages on Front End Server report shows the average holding time for incoming messages on the front end server in graphical (line graph) and tabular format.A high value indicates that the front end server is overloaded and unable to process the requests on time.

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Front End Server Availability and Connectivity

The Front End Server Availability and Connectivity report shows the Local 503 Responses/sec and the Local 504 Responses/sec on the front end server in graphical (line graph) and tabular format. The 503 code indicates that the server is unavailable while the 504 code indicates that there are connectivity problems with other servers.

Sends Outstanding on Front End Server

The Sends Outstanding on Front End Server report shows the Sends Outstanding on the front end server in graphical (line graph) and tabular format. A high value means that a large number of requests and responses are queued outbound and this could be due to network latency issues or a problem with a remote server.

Average Incoming Message Processing Time on Access Edge Server

The Average Incoming Message Processing Time on Access Edge Server report needs to depict the average incoming message processing time on the access edge server in graphical (line graph) and tabular format. High values indicate that the access edge server is overloaded and unable to process the requests on time.

Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server report shows the client request errors/sec, client send request errors/sec and the idle sessions timed-out/sec over UDP on the Audio/Video Edge Server in graphical and tabular format. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you may need to increase the session idle timeout parameter.

Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server report shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over TCP on the Audio/Video Edge Server in graphical and tabular format. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you may need to increase the session idle timeout parameter.

Related Topics

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2007 Graphs

- Microsoft Enterprise Servers SPI Microsoft Office COmmunications Server Server 2007 Policies

- Data Store Table for Microsoft Enterprise Server

Data Store Table for Microsoft Enterprise Server

The Microsoft Enterprise SPI creates the following data tables for Microsoft Enterprise Server 2007 metrics in the data store on the node to facilitate the data-collection procedure.

Data Store Details

Report Name	Report Table, Data Store, and Data Class	Report Table Attributes
g_Front End Service CPU Statistics.rpt Policy logging data: OCS_FrontEndService_	OCS_PROCESS	- PCTPROCESSORTIME - THREADCOUNT - SYSPCTPROCESSORTIME
g_IM Conferencing Service CPU Statistics.rpt Policy logging data: OCS_IMConfService_Logging	OCS_PROCESS	- PCTPROCESSORTIME - THREADCOUNT - SYSPCTPROCESSORTIME
g_Access Edge Service CPU Statistics.rpt Policy logging data: OCS_AccessEdgeService_Logging	OCS_PROCESS	- PCTPROCESSORTIME - THREADCOUNT - SYSPCTPROCESSORTIME
g_Front End Service Memory Statistics.rpt Policy logging data: OCS_FrontEndService_Logging	OCS_PROCESS	- PAGEFAULTS - WORKINGSET - PRIVATEBYTES

Report Name	Report Table, Data Store, and Data Class	Report Table Attributes
g_IM Conferencing Service Memory Statistics.rpt Policy logging data: OCS_IMConfService_Logging	OCS_PROCESS	• PAGEFAULTS • WORKINGSET • PRIVATEBYTES
g_Access Edge Service Memory Statistics.rpt Policy logging data: OCS_AccessEdgeService_Logging	OCS_PROCESS	• PAGEFAULTS • WORKINGSET • PRIVATEBYTES
g_SQL Back End Latency.rpt Policy logging data: OCS_FrontEndServer_Logging	OCS_FRONTEND	• QUEUELATENCY • SPROCLATENCY
g_Average Holding Time for Incoming Messages on Front End Server.rpt Policy logging data: OCS_FrontEndServer_Logging	OCS_FRONTEND	HOLDINGTIMEFORINCM SG
g_Front End Server Availability and Connectivity.rpt Policy logging data: OCS_FrontEnd	OCS_FRONTEND	• LOCAL503RESPONSES • LOCAL504RESPONSES
g_Sends Outstanding on Front End Server.rpt Policy logging data: OCS_FrontEndServer_Logging	OCS_FRONTEND	SENDSOUTSTANDING
g_Average Incoming Message Processing Time on Access Edge Server.rpt Policy logging data: OCS_AccessEdgeServer_Logging	OCS_ACCESSEDGE	AVINCMSGPROCTIME
g_UDP Client Request Errors and Timed Out Sessions on Audio/Video Edge Server.rpt	OCS_AVEDGE	• UDPCLIENTREQERR • UDPCLIENTSENDERR • UDPSESSIONTIMEOUTS

Report Name	Report Table, Data Store, and Data Class	Report Table Attributes
g_TCP Client Request Errors and Timed Out Sessions on Audio/Video Edge Server.rpt Policy logging data: OCS_ AVEdgeServer_Logging	OCS_AVEDGE	• TCPCLIENTREQERR • TCPCLIENTSENDERR • TCPSESSIONTIMEOUTS

Related Topics

- Data Store for Graphs

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2007 Reports

Microsoft Office Communications Server 2007 Graphs

The graphs are pictorial representation of the various metrics. Graphs contain data that are collected by policies.

The Microsoft Office Communications Server 2007 SPI graphs are as follows:

Front End Service CPU statistics

The Front End Service CPU statistics graph shows the CPU statistics of the Front End service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the Front End service is utilizing the processor time.

This graph uses the data collected by the OCS_FrontEndService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Web Conferencing Service CPU statistics

The Web Conferencing Service CPU statistics graph shows the CPU statistics of the web conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the web conferencing service is utilizing the processor time.

This graph uses the data collected by the OCS_WebConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

IM Conferencing Service CPU statistics

The IM Conferencing Service CPU statistics graph shows the CPU statistics of the IM conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the IM conferencing service is utilizing the processor time.

This graph uses the data collected by the OCS_IMConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Telephony Conferencing Service CPU statistics

The Telephony Conferencing Service CPU statistics graph shows the CPU statistics of the telephony conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the telephony conferencing service is utilizing the processor time.

This graph uses the data collected by the OCS_TelConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Conferencing Service CPU statistics

The Audio/Video Conferencing Service CPU statistics graph shows the CPU statistics of the audio/video conferencing service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video conferencing service is utilizing the processor time.

This graph uses the data collected by the OCS_AVConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Access Edge Service CPU statistics

The Access Edge Service CPU statistics graph shows the CPU statistics of the access edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the access edge service is utilizing the processor time.

This graph uses the data collected by the OCS_AccessEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Edge Service CPU statistics

The Audio/Video Edge Service CPU statistics graph shows the CPU statistics of the audio/video edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared

with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video edge service is utilizing the processor time.

This graph uses the data collected by the OCS_AVEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Authentication Service CPU statistics

The Audio/Video Authentication Service CPU statistics graph shows the CPU statistics of the audio/video authentication service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video authentication service is utilizing the processor time.

This graph uses the data collected by the OCS_AVAuthService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Web Conferencing Edge Service CPU statistics

The Web Conferencing Edge Service CPU statistics graph shows the CPU statistics of the web conferencing edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the web conferencing edge service is utilizing the processor time.

This graph uses the data collected by the OCS_WebEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Archiving and CDR Service CPU statistics

The Archiving and CDR Service CPU statistics graph shows the CPU statistics of the Archiving and CDR service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the Archiving and CDR service is utilizing the processor time.

This graph uses the data collected by the OCS_ArchivingCDRService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Mediation Service CPU statistics

The Mediation Service CPU statistics graph shows the CPU statistics of the mediation service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the mediation service is utilizing the processor time.

This graph uses the data collected by the OCS_MediationService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Front End Service Memory Statistics

The Front End Service Memory Statistics graph shows the memory statistics of the front end service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the front end service.

This graph uses the data collected by the OCS_FrontEndService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Web Conferencing Service Memory Statistics

The Web Conferencing Service Memory Statistics graph shows the memory statistics of the web conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the OCS_WebConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

IM Conferencing Service Memory Statistics

The IM Conferencing Service Memory Statistics graph shows the memory statistics of the IM conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the OCS_IMConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Telephony Conferencing Service Memory Statistics

The Telephony Conferencing Service Memory Statistics graph shows the memory statistics of the telephony conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the telephony conferencing service.

This graph uses the data collected by the OCS_TelConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Conferencing Service Memory Statistics

The Audio/Video Conferencing Service Memory Statistics graph shows the memory statistics of the audio/video conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video conferencing service.

This graph uses the data collected by the OCS_AVConfService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Access Edge Service Memory Statistics

The Access Edge Service Memory Statistics graph shows the memory statistics of the access edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the access edge service.

This graph uses the data collected by the OCS_AccessEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Edge Service Memory Statistics

The Audio/Video Edge Service Memory Statistics graph shows the memory statistics of the audio/video edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video edge service.

This graph uses the data collected by the OCS_AVEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Audio/Video Authentication Service Memory Statistics

The Audio/Video Authentication Service Memory Statistics graph shows the memory statistics of the audio/video authentication service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video authentication service.

This graph uses the data collected by the OCS_AVAuthService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Web Conferencing Edge Service Memory Statistics

The Web Conferencing Edge Service Memory Statistics graph shows the memory statistics of the web conferencing edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing edge service.

This graph uses the data collected by the OCS_WebEdgeService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Archiving and CDR Service Memory Statistics

The Archiving and CDR Service Memory Statistics graph shows the memory statistics of the Archiving and CDR service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the Archiving and CDR service.

This graph uses the data collected by the OCS_ArchivingCDRService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Mediation Service Memory Statistics

The Mediation Service Memory Statistics graph shows the memory statistics of the mediation service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the mediation service.

This graph uses the data collected by the OCS_MediationService_Logging policy. In the data store of the node, the OCS_PROCESS table is used to construct this graph.

Authentication failures/sec on Audio/Video Edge Server

The Authentication failures/sec on Audio/Video Edge Server graph shows the authentication failures per sec over UDP and TCP on the A/V Edge Server

This graph uses the data collected by the OCS_AVEdgeServer_Logging policy. In the data store of the node, the OCS_AVEDGE table is used to construct this graph.

SQL Back End Latency Experienced By Front End Server

The SQL Back End Latency Experienced By Front End Server graph shows the amount of time that a request spent in the queue to the SQL back end and the time taken by the SQL backend to process a request. . If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

This graph uses the data collected by the OCS_FrontEndServer_Logging policy. In the data store of the node, the OCS_FRONTEND table is used to construct this graph.

Average Holding Time for Incoming Messages on Front End Server

The Average Holding Time for Incoming Messages on Front End Server graph shows the average holding time for incoming messages on the front end server. A high value indicates that the front end server is overloaded and unable to process the requests on time.

This graph uses the data collected by the OCS_FrontEndServer_Logging policy. In the data store of the node, the OCS_FRONTEND table is used to construct this graph.

Front End Server Availability and Connectivity

The Front End Server Availability and Connectivity graph shows the Local 503 Responses/sec on the front end server. The 503 code indicates that the server is unavailable while the 504 code indicates connectivity problems with other servers.

This graph uses the data collected by the OCS_FrontEndServer_Logging policy. In the data store of the node, the OCS_FRONTEND table is used to construct this graph.

Sends Outstanding on Front End Server

The Sends Outstanding on Front End Server graph shows the Sends Outstanding on the front end server. A high value means that a large number of requests and responses are queued outbound and could be due to network latency issues or a problem with a remote server.

This graph uses the data collected by the OCS_FrontEndServer_Logging policy. In the data store of the node, the OCS_FRONTEND table is used to construct this graph.

Average Incoming Message Processing Time on Access Edge Server

The Average Incoming Message Processing Time on Access Edge Server graph shows the Average Incoming Message Processing Time on the Access Edge Server . High values indicate that the Access Edge Server is overloaded and unable to process the requests on time.

This graph uses the data collected by the OCS_AccessEdgeServer_Logging policy. In the data store of the node, the OCS_ACCESSEDGE table is used to construct this graph.

Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server graph shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over UDP on the Audio/Video Edge Server. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the OCS_AVEdgeServer_Logging policy. In the data store of the node, the OCS_AVEDGE table is used to construct this graph.

Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server graph shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over TCP on the Audio/Video Edge Server. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the OCS_AVEdgeServer_Logging policy. In the data store of the node, the OCS_AVEDGE table is used to construct this graph.

Related Topics

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2007 Reports

- Microsoft Enterprise Servers SPI Microsoft Office COmmunications Server Server 2007

Data Store Table for Microsoft Enterprise Server

The Microsoft Enterprise SPI creates the following data tables for Microsoft Enterprise Server 2007 metrics in the data store on the node to facilitate the data-collection procedure.

Data Store Details

Graph Name	Policy Logging Data	Spec File	Data Store Data Class
Front End Service CPU Statistics	OCS_ FrontEndService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Web Con- ferencing Service CPU Statistics	OCS_ WebConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
IM Con- ferencing Service CPU Statistics	OCS_ IMConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Telephony Con- ferencing Service CPU statistics	OCS_ TelConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Con- ferencing Service CPU statistics	OCS_ AVConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS

Access Edge Service CPU statistics	OCS_ AccessEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Edge Service CPU statistics	OCS_ AVEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Authentication Service CPU statistics	OCS_ AVAuthService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Web Conferencing Edge Service CPU statistics	OCS_ WebEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Archiving and CDR Service CPU statistics	OCS_ ArchivingCDRService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Mediation Service CPU statistics	OCS_ MediationService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Front End Service Memory Statistics	OCS_ FrontEndService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS

Web Con-ferencing Service Memory Statistics	OCS_ WebConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
IM Con-ferencing Service Memory Statistics	OCS_ IMConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Telephony Con-ferencing Service Memory Statistics	OCS_ TelConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Con-ferencing Service Memory Statistics	OCS_ AVConfService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Access Edge Service Memory Statistics	OCS_ Acces-sEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Edge Service Memory Statistics	OCS_ AVEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Audio/Video Authen-tication Service Memory Statistics	OCS_ AVAuthService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS

Web Conferencing Edge Service Memory Statistics	OCS_ WebEdgeService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Archiving and CDR Service Memory Statistics	OCS_ Archiv-ingCDRService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Mediation Service Memory Statistics	OCS_ MediationService_ Logging	OCS_ PROCESS.spec	OCS_ PROCESS
Authen-tication Failures/sec on Audio/Video Edge Server	OCS_ AVEdgeServer_ Logging	OCS_ AVEDGE.spec	OCS_ AVEDGE
SQL Back End Latency Experienced By Front End Server	OCS_ FrontEndServer_ Logging	OCS_ FRONTEND.spec	OCS_ FRONTEND
Average Holding Time for Incoming Messages on Front End Server	OCS_ FrontEndServer_ Logging	OCS_ FRONTEND.spec	OCS_ FRONTEND
Front End Server Availability and Connectivity	OCS_ FrontEndServer_ Logging	OCS_ FRONTEND.spec	OCS_ FRONTEND

Sends Outstanding on Front End Server	OCS_ FrontEndServer_ Logging	OCS_ FRONTEND.spec	OCS_ FRONTEND
Average Incoming Message Processing Time on Access Edge Server	OCS_ AccessEdgeServer_ Logging	OCS_ ACCES-SEDGE.spec	OCS_ ACCESSEDG-E
Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server	OCS_ AVEdgeServer_ Logging	OCS_ AVEDGE.spec	OCS_ AVEDGE
Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server	OCS_ AVEdgeServer_ Logging	OCS_ AVEDGE.spec	OCS_ AVEDGE

Related Topics

- Data Store for Reports

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2007 Graphs

General Policies

The General policy group contains all the policies that monitor the processes and services of the ArchivingServer.

LS_Archiving_AvgNoOfBlkedClientThreads

This policy monitors the average number of client threads that are blocked and waiting for the decrease in the queue depth.

Performance Object: LS:Arch Service - 00 - DBArch

Counter: Arch Service - 011 - Blocked Client Threads

Instance: All instances

Threshold: When the difference between the two samples is greater than:

- Critical: 100

- Warning: 0

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_AvgTimeRequestHeldInDB

This policy monitors the average time (in milliseconds) spent by a request in the database queue before it is processed.

Performance Object: LC:Arch Service - 00 - DBArch

Counter: Arch Service - 002 - Queue Latency (msec)

Instance: All instances

Threshold: When the difference between the two samples is greater than:

- Critical: 100

- Warning: 0

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_Logging

The LS_Archiving_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the counters **RTCArch** or **_Total.**

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Instance	Performance Object
RTCArch	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 →ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_NumOfDroppedMQMessages

The LS_Archiving_NumOfDroppedMQMessages policy monitors MSMQ for the number of messages getting dropped.

Performance object: LS:Arch Service - 01 - READ

Counter: Arch Service - 006 - Dropped messages from MQ

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Critical: 1

- Warning: 0

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_ NumberOfMessagesNotWrittenToDB

This policy monitors the rate of failure in numbers when the messages are written in to the SQL database.

Performance Object: LS:Arch Service - 02 - WRITE

Counter: Arch Service - 002 - Messages failed to be written to DB

Instance: All instances.

Threshold: When the difference between two samples is greater than:

- Critical: 1

- Warning: 0

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 →ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_NumberOfValidationFailedMessages

This policy monitors the number of messages for which the validation has failed.

Performance object: LS:Arch Service - 01 - READ

Counter: Arch Service - 002 - Messages that failed validation

Threshold: When the difference between two samples is greater than:

- Critical: 1

- Warning: 0

Schedule: This policy runs every one hour .

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_PageFaultsPerSec

This policy monitors the Page Faults/sec counter of the Archiving Service.

Performance Object: Process

Counter: Page Faults/sec

Instance: RTCArch

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_PrivateBytes

This policy monitors the Private Bytes counter available in the Archiving and CDR service.

Performance Object: Process

Counter: Private Bytes

Instance: RTCArch

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_ProcessorTime

This policy monitors the % Processor Time counter available in the Archiving and CDR service.

Performance Object: Process

Counter: % Processor Time

Instance: RTCArch

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 →ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_ThreadCount

This policy monitors the Thread Count counter available in the Archiving and CDR service.

Performance Object: Process

Counter: Thread Count

Instance: RTCArch

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 →ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Archiving_WorkingSet

This policy monitors the Working Set counter available in the Archiving and CDR service.

Performance Object: Process

Counter: Working Set

Instance: RTCArch

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Arch_ADStatus

The policy LS_Check_Arch_ADStatus checks the connectivity status of the Active Directory with the Archiving Server and sends a critical alert message if the Active Directory is not accessible from the Archiving Server. After the connectivity is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Arch_ReplicaStatus

The policy LS_Check_Arch_ReplicaStatus checks the Central Management Store replication status at the Archiving Server. This policy sends out a critical alert message if the Central Management Store data is not updated. After the Central Management Store data is updated, the policy sends a normal message and acknowledges the critical error message sent previously.

Monitored Service: REPLICA

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ArchivingServiceStatus

The LS_Check_ArchivingServiceStatus checks the status of the Archiving Service and returns values that correspond to different states of the 'RTCLOG'. This policy sends a critical alert message if the Archiving Service is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCLOG

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Arch

The policy LS_Check_ReplicaServiceStatus_Arch checks the status of the Replica Replicator Agent Service at the Archiving Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica
Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

This policy monitors the Private Bytes counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process.

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_ProcessorTime

This policy monitors the % Processor Time counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Counter: % Processor Time

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ThreadCount

This policy monitors the Thread Count counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_WorkingSet

This policy monitors the Working Set Counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Counter: Working Set

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Chapter 9

Microsoft Enterprise Servers SPI - Microsoft Lync Server 2010

The Microsoft Enterprise Servers SPI monitors the Microsoft Lync Server 2010 and enables unhindered flow of communications within the enterprise. The Microsoft Enterprise Servers SPI offers the following policies for process monitoring, service management, and data logging. The logged data is used to generate the Lync Server 2010 reports and graphs.

Microsoft Lync Server 2010 Policy Groups

Policies are grouped based on the server roles the Microsoft Enterprise Servers SPI monitors. The Lync Server 2010 has the following policy groups:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

Related Topics:

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2010 Reports
- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2010 Policies

ArchivingServer

The Archiving Server archives instant messages (IM) content received by the Lync Server 2010.

This server role includes the Archiving service and the Archiving database. All IM conversations and group conferences are stored in a SQL database, also called the Archiving database.

To implement archiving support, you must deploy more Archiving Servers in the organization such that the Enterprise pool or Standard Edition Server communicates with the Archiving Server. You can deploy the database for the Archiving Server on the same computer as the Archiving Server or on a separate computer.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Archiving Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ArchivingServiceStatus

The LS_Check_ArchivingServiceStatus checks the status of the Archiving Service and returns values that correspond to different states of the 'RTCLOG'. This policy sends a critical alert message if the Archiving Service is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCLOG

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Arch

The policy LS_Check_ReplicaServiceStatus_Arch checks the status of the Replica Replicator Agent Service at the Archiving Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **ArchivingServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

AVConfServer

The A/V Conferencing Server is a server role that controls and integrates the audio/video inputs from various sources required during multiparty audio/video conferences.

The AV Conferencing Server is located in the internal network. It enables audio and video peer-to-peer communications and audio and video conferencing. This server role is available on a Standard Edition Server.

In an Enterprise pool, you can either join it with the Front End Server and the Web Conferencing Server or can deploy it on a separate server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all policies that monitor the processes and services of the A/V Conferencing Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Counter: Page Faults/sec

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝**en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝**AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_ETAToProcessItemsInHttpStack

This policy monitors the time taken in HTTP stack to process all pending transactions. It is measured in milliseconds.

Performance Object: LS:AVMCU - 04 - MCU Health And Performance

Counter: AVMCU - 000 - HTTP Stack load

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Critical: 120000

- Warning: 30000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_Logging

This policy collects data for the Audio/Video Conferencing Service and logs the following metrics into the data store (CODA or HP Performance Agent) for the instances AVMCUSvc or _Total.

Instance	Performance Object
AVMCUSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_MCUHealthState

The LS_AVConf_MCUHealthState policy monitors the current health of the AVMCU. If the value is 0, it indicates that the MCU is normal, 1 indicates loaded, 2 indicates full and 3 indicates unavailable.

Performance Object: LS:AVMCU - 04 - MCU Health And Performance

Counter: AVMCU - 005 - MCU Health State

Instance: All instances.

Threshold: When the difference between the two samples is greater than:

- Critical: 2

- Warning: 1

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_NoOfAddConfFailed

This policy monitors the number of failed responses returned by add-conference.

Performance Object: LS:AVMCU - 03 - CCCP Processing

Counter: AVMCU - 029 - Number of add conference requests failed

Instance: All instances

Threshold: When the difference between the two samples is greater than:

- Critical: 100

- Warning: 50

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_NumberOfActiveConferences

This policy monitors the number of active conferences on the A/V Conferencing Server.

Performance Object: LS:AVMCU - 00 - Operations

Counter: AVMCU - 000 - Number of Conferences

Threshold: When the difference between two samples is greater than:

- Critical: 5000

- Warning: 4000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Audio/Video Conferencing Service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞**en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞**AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_PrivateBytes

This policy monitors the Private Bytes counter available in the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞**en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞**AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_ProcessorTime

This policy monitors the % Processor Time counter available in the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_ThreadCount

This policy monitors the Thread Count counter available in the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVConf_WorkingSet

This policy monitors the Working Set counter available in the Audio/Video Conferencing service.

Performance Object: Process

Instance: AVMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVConfServiceStatus

The LS_Check_AVConfServiceStatus policy returns values that correspond to different states of the 'RTCAVMCU'. This policy checks the status of the Audio/Video Conferencing Service and sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCAVMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVConf_ADStatus

The policy LS_Check_AVConf_ADStatus checks the connectivity status of the Active Directory with the AV Conferencing Server and sends a critical alert message if the Active Directory is not accessible from the AV Conferencing Server. After the connectivity
is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_
Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVConf_ReplicaStatus

The policy LS_Check_AVConf_ReplicaStatus checks the Central Management Store replication
status at the A/V Conferencing Server. This policy sends out a critical alert message if the Central
Management Store data is not updated. After the Central Management Store data is updated, the
policy sends a normal message and acknowledges the critical error message sent previously.

Monitored service: REPLICA

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_
Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_AVConf

The policy LS_Check_ReplicaServiceStatus_AVConf checks the status of the Replica Replicator
Agent Service at the A/V Conferencing Server and returns values that correspond to different states
of the service. This policy sends a critical alert message if
the Replica Replicator Agent Service is not running. After the service starts, the policy
acknowledges the alert sent previously.

Monitored service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_
Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

This policy monitors the Private Bytes counter available in the Lync Server Replica Replicator
Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

　Critical: 2e+007

Schedule: This policy runs every one hour.

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Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

This policy monitors the % Processor Time counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Counter: % Processor Time

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ThreadCount

This policy monitors the Thread Count counter available Lync Server Replica Replicator Agent service

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_WorkingSet

This policy monitors the Working Set Counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Microsoft_Office_ Communications_Server ➝ Microsoft_Lync_Server_2010 ➝ AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the AVConfServer.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVConfServiceStatus

The LS_Check_AVConfServiceStatus policy returns values that correspond to different states of the 'RTCAVMCU'. This policy checks the status of the Audio/Video Conferencing Service and sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCAVMCU

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_AVConf

The policy LS_Check_ReplicaServiceStatus_AVConf checks the status of the Replica Replicator Agent Service at the A/V Conferencing Server and returns values that correspond to different states of the service. This policy sends a critical alert message if
the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → AVConfServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Common

The Common policy group contains a set of policies that can be deployed on all the Microsoft Lync Server 2010 server roles.

This policy group includes the following policies:

- LS_FwdApplicationError

- LS_FwdApplicationInformation

- LS_FwdApplicationWarning

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FwdApplicationError

The LS_FwdApplicationError policy forwards all error messages logged in Windows Event Log to the management console.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → en → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Common**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FwdApplicationInformation

The LS_FwdApplicationInformation policy forwards all informational messages logged in Windows Event Log to the management console.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers** → en → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Common**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FwdApplicationWarning

The LS_FwdApplicationWarning policy forwards all warning messages logged in Windows Event Log to the management console.

Policy Type: Windows Event Log policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → Common**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

DirectorServer

The Director is a server role that validates the internal and external users and directs traffic between the Edge Servers and the internal Office Communications Server deployment. The Director server role is supported only in an internal trusted network.

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the Director Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEndServiceStatus

The LS_Check_FrontEndServiceStatus policy returns the values that correspond to different states of the 'RTCSrv'. This policy sends a critical alert message if the FrontEnd Service is not running. After the service starts the policy acknowledges the alert sent previously.

Monitored service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Director_ADStatus

The policy LS_Check_Director_ADStatus checks the connectivity status of the Active Directory with the Director Server and sends a critical alert message if the Active Directory is not accessible from the Director Server. After the connectivity is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_DirectorServiceStatus

The policy LS_Check_DirectorServiceStatus checks the status of the Replica Replicator Agent Service at the Director Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Director

The policy LS_Check_ReplicaServiceStatus_Director checks the status of the Replica Replicator Agent Service at the Director Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_DirectorServiceStatus

The policy LS_Check_DirectorServiceStatus checks the status of the Replica Replicator Agent Service at the Director Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Director_NoOfLDAPErrorsPerSec

This policy monitors the total number of outstanding searches on this LDAP session in the Directory Search component of the Communications Server User Servers Module associated with a GC.

Performance Object: LS:USrv - 19 - Directory Search

Instance: All instances

Counter: USrv - 000 - Number of outstanding searches

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers ➝en ➝ Microsoft_Office_ Communications_Server ➝Microsoft_Lync_Server_2010 ➝DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Director_NoOfOutStandingSearches

This policy monitors the number of outstanding searches on the LDAP session, per second, in the Directory Search component of Communications Server User Servers module associated with a GC.

Performance Object: LS:Usrv - 19 - Directory Search

Instance: All instances

Counter: USrv - 004 - Number of LDAP errors / sec

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers ➝en ➝ Microsoft_Office_ Communications_Server ➝Microsoft_Lync_Server_2010 ➝DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Director_SearchLatency

This policy monitors the average time (in seconds) it takes to perform the actual LDAP search.

Performance Object: LS:USrv - 19 - Directory Search

Instance: All instances

Counter: USrv - 005 - Search Latency (ms)

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Director_SprocLatency

This policy monitors the average time taken in processing a RTCAuthorizeDelegate sproc call.

Performance Object: LS:USrv - 31 - Authorize delegate sproc

Instance: All instances

Counter: USrv - 001 - Sproc Latency (msec)

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_PrivateBytes

This policy monitors the Private Bytes counter available in the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010 →DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ProcessorTime

This policy monitors the % Processor Time counter available in the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: % Processor Time

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server⟶Microsoft_Lync_Server_2010 ⟶DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ThreadCount

This policy monitors the Thread Count counter available in the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server⟶Microsoft_Lync_Server_2010 ⟶DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_WorkingSet

This policy monitors the Working Set counter available in the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞**en** ➞ **Microsoft_Office_
Communications_Server**➞**Microsoft_Lync_Server_2010** ➞**DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en⟶ Microsoft_Office_ Communications_Server⟶Microsoft_Lync_Server_2010 ⟶DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_PrivateBytes

This policy monitors the Private Bytes counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process.

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞ en ➞ Microsoft_Office_ Communications_Server ➞ Microsoft_Lync_Server_2010 ➞ DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

This policy monitors the % Processor Time counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞ en ➞ Microsoft_Office_ Communications_Server ➞ Microsoft_Lync_Server_2010 ➞ DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_ThreadCount

This policy monitors the Thread Count counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_WorkingSet

This policy monitors the Working Set Counter available in the Lync Server Replica Replicator Agent service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Director Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEndServiceStatus

The LS_Check_FrontEndServiceStatus policy returns the values that correspond to different states of the 'RTCSrv'. This policy sends a critical alert message if the FrontEnd Service is not running. After the service starts the policy acknowledges the alert sent previously.

Monitored service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → DirectorServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Check_ReplicaServiceStatus_Director

The policy LS_Check_ReplicaServiceStatus_Director checks the status of the Replica Replicator Agent Service at the Director Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica
Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Director_NoOfLDAPErrorsPerSec

This policy monitors the total number of outstanding searches on this LDAP session in the Directory Search component of the Communications Server User Servers Module associated with a GC.

Performance Object: LS:USrv - 19 - Directory Search

Instance: All instances

Counter: USrv - 000 - Number of outstanding searches

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Director_SearchLatency

This policy monitors the average time (in seconds) it takes to perform the actual LDAP search.

Performance Object: LS:USrv - 19 - Directory Search

Instance: All instances

Counter: USrv - 005 - Search Latency (ms)

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Director_SprocLatency

This policy monitors the average time taken in processing a RTCAuthorizeDelegate sproc call.

Performance Object: LS:USrv - 31 - Authorize delegate sproc

Instance: All instances

Counter: USrv - 001 - Sproc Latency (msec)

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **DirectorServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Discovery

The Discovery policy group contains the LS_Discovery policy which discovers the LS roles and services.

Microsoft Lync Server 2010 Discovery policy discovers the following roles and services:

- **Roles**

  - Archiving Server

  - Audio/Video Conferencing server

  - Director Server

  - Edge Server

  - Front End Server

  - Mediation Server

  - Monitoring Sever

  - Registrar Server

- **Services**

  - Lync Server Replica Replicator Agent

  - Lync Server Front-End (Registrar and other)

  - Lync Server IM Conferencing

  - Lync Server Audio Test Service

- Lync Server Bandwidth Policy Service (Core)

- Lync Server Bandwidth Policy Service (Authentication)

- Lync Server Audio/Video Conferencing

- Lync Server Application Sharing

- Lync Server Web Conferencing

- Lync Server Web Conferencing Compatibility

- Lync Server Master Replicator Agent

- Lync Server File Transfer Agent

- Lync Server Conferencing Attendant

- Lync Server Conferencing Announcement

- Lync Server Response Group

- Lync Server Call Park

- Lync Server Mediation

- Lync Server Front-End

- Lync Server Registrar and other

- Lync Server Mediation

- Lync Server Access Edge

- Lync Server Audio/Video Edge

- Lync Server Audio/Video Authentication

- Lync Server Web Conferencing Edge

- Lync Server Audio/Video Conferencing

- Lync Server Mediation

- Lync Server Archiving

- Lync Server QoE Monitoring Service

- Lync Server Call Detail Recording

Related Topics

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Discovery

The LS_Discovery policy discovers the roles and services of the Microsoft Lync Server 2010, along with sites, pools, and pool members, and displays them in the service tree on the management server console.

Policy Name: LS_Discovery

Policy Description: Discovers the LS roles
 and services.

Policy type: Service Auto-Discovery

Policy group: **SPI for Microsoft Enterprise Server** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Discovery**

Related Topics

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Configuring LS_Discovery Policy

The LS_Discovery policy discovers the roles and services of the Microsoft Lync Server 2010, along with sites, pools, and pool members, and displays them on the service tree on the console of the management server.

To run the LS_Discovery policy on all servers, except the Edge Server, follow these steps:

1. Create a domain user to run the discovery policy with the following user privileges:
   - CSViewOnlyAdministrator

   - RTCUniversalReadOnlyAdmins

- "Execute" permission to the %OvAgentDir%\bin\instrumentation folder on the managed node.

2. Open the LS_Discovery policy.

3. Edit the username and password in the policy and enter the user credentials - CSViewOnlyAdministrator and RTCUniversalReadOnlyAdmins.

4. Deploy the policy on all Lync servers, except the Edge Server.

To run the LS_Discovery policy on the Edge Server, follow these steps:

1. Create a user under the CSViewOnlyAdministrator account.

2. Open the Edge Server configuration tool **Configure Edge server Discovery for Lync Server 2010**

3. In the console tree, expand **Tools → SPI for Microsoft Enterprise Servers → Lync Server 2010.**

4. Double-click the **Configure Edge server Discovery for Lync Server 2010** tool in the details pane.

5. Right Click **→ All Tasks → Launch Tool**

6. Select **Edge Sever**.

7. Click **Launch**.

8. Fill in details Edge Server details, such as:
   - Domain: < Lync Server domain name>

   - User Name: <CSViewOnlyAdministrator>

   - Password: <Password>

9. Click **OK**.

10. Run the tool. Information related to the Lync Server is deployed on the Edge Server.

11. Create another user on the Edge Server with the user privilege 'Local Administrator' for the Edge Server .

12. Open the LS_Discovery policy.

13. Edit the username and password in the policy and enter the user credentials of the 'Local Administrator' created on the Edge Server.

14. Deploy the LS_Discovery Policy on the Edge Servers.

Note:

1. The Edge Server must be able to access all the Front End and Directors servers. Publish the SRV records or update the %SystemRoot%\System32\drivers\etc\hosts to resolve Front End and Director server FQDN to their IP.

2. Run this tool only once for every deployment on the Edge Server. If you change the CSViewOnlyAdministrator credential of the user, run the tool again with the latest user credentials.

Related Topics

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

EdgeServer

The Edge Server is a server role in the network perimeter. It provides access to external users such as remote, federated and anonymous users. The Edge Server supports connectivity with public IM service providers.

The Edge Server runs the Access Edge Service, A/V Edge Service, and Web Conferencing Edge service. These three services are automatically installed with the Edge Server.

Related Topics

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the EdgeServer.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PageFaultsPerSec

The LS_Replica_PageFaultsPerSec monitors the Page Faults/sec counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server⟶ Microsoft_Lync_Server_2010 ⟶EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_AboveLimitConnectionsDropped

The LS_AccessEdge_AboveLimitConnectionsDropped policy monitors total number of connections that were dropped because the limit on number of incoming connections from a federated partner or clearing house was exceeded.

Performance Object: LS:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 004 - Above Limit Connections Dropped (Access Proxies only)

Threshold: When the difference between the two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ActiveTLSConnections

This policy monitors the number of established TLS connections currently active. TLS Connection is considered established when peer certificate and, possibly, host name are verified for trust relationship.

Performance Object: LS:API - 00 - API Application Instance Counters(*)

Instance: _Total

Counter: API - 026 - Transactions Pending Dispatch Completion

Threshold: When the difference between the two samples is greater than:

- Warning: 500

- Critical: 1000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_AddressSpaceUsage

The LS_AccessEdge_AddressSpaceUsage policy monitors the percentage of available address space currently in use by the server process.

Performance Object: LS:SIP - 07 - Load Management

Counter: SIP - 009 - Address space usage

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Warning: 65

- Critical: 75

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_AvgIncomingMsgProccessingTime

This policy monitors the average processing time of an incoming message in seconds.

Performance Object: LC:SIP - 02 – Protocol

Counter: SIP - 021 - Average Incoming Message Processing Time

Instance: All instances

Threshold: This policy has the following threshold:

   Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_DataLogging

The LS_AccessEdge_DNSResolutionFailures policy monitors the SIP - 017 - Sends Outstanding counter.

Performance Object: LS:SIP - 02 - Protocol

Counter: SIP - 021 - Average Incoming Message Processing Time

Instance: All instances.

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_DNSResolutionFailures

The LS_AccessEdge_DNSResolutionFailures policy monitors the total number of DNS resolution failures.

Performance Object: LS:SipEps - 02 - SipEps Connections

Counter: SipEps - 010 - NumberOfDNSResolutionFailures

Instance: _Total

Threshold: When the difference between two samples is greater than:

- Warning: 50

- Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_EventsQueueLength

The LS_AccessEdge_EventsQueueLength policy monitors the current Queue Length of events indicated by the core manager thread.

Performance Object: LS:SipEps - 00 - Sip Dialogs

Counter: SipEps - 003 - CoreManagerQueueLength

Instance: _Total

Threshold: When the difference between two samples is greater than:

- Warning: 50

- Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ExtMsgDropDueToUnresolvedDomain

This policy monitors the rate at which the number of messages are dropped at the external edge, as DNS SRV failed to resolve the domain.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 063 - External Messages/sec Dropped Due To Unresolved Domain

Instance: All instances.

Threshold: This policy has the following threshold:

   Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ExtMsgDroppedDueToBlkedIMDomain

This policy monitors the rate of messages dropped at the external edge, in a second, because of DNS SRV resolving the domain to a server blocked in the IM Service Providers table.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 065 - External Messages/sec Dropped Due To Blocked IM Service Provider Domain

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AccessEdge_ExtMsgDroppedDueToIncompMsgDomain

This policy monitors the rate at which the messages are dropped, per second, at the external edge, as the previous messages are not compatible with the federation type of domain.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 077 - External Messages/sec Dropped Due To Incompatible Message Domain

Instance: All instances.

Threshold: This policy has the following threshold:

Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServers

- Registrar

LS_AccessEdge_ExtMsgPerSecDropDueToBlckdDomain

This policy monitors the number of messages which are dropped at the external edge as their domain is in the blocked list, in one second.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 033 - External Messages/sec Dropped Due To Blocked Domain

Instance: All instances

Threshold: This policy has the following threshold:

  Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞ en ➞ Microsoft_Office_ Communications_Server ➞ Microsoft_Lync_Server_2010 ➞ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_FlowControlledConnections

The LS_AccessEdge_FlowControlledConnections policy monitors the number of connections that are currently being flow-controlled (no socket receives are posted).

Performance Object: LS:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 023 - Flow-controlled Connections

Threshold: When the difference between two samples is greater than :

- Warning: 50

- Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_FlowControlledConnectionsDropped

The LS_AccessEdge_FlowControlledConnectionsDropped policy monitors the total number of connections dropped because of excessive flow-control.

Performance Object: LS:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 024 - Flow-controlled Connections Dropped

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_IncomingMsgHeldAboveOverloadWatermark

This policy monitors the number of incoming messages which are currently held by the server for processing more than the overload watermark time threshold.

Performance Object: LS:SIP - 07 - Load Management

Counter: SIP - 005 - Incoming Messages Held Above Overload Watermark

Instance: All instances

Threshold: This policy has the following threshold levels:

  Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_IncomingRequestsDroppedPerSec

This policy monitors the rate at which the incoming requests are dropped, as they could not be processed due to bad headers, insufficient routing information, and severe resource allocation failure.

Performance Object: LS:SIP - 02 - Protocol

Counter: SIP - 005 - Incoming Requests Dropped/sec

Instance: All instances

Threshold: This policy has the following threshold:

  Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdgeServer_IncomingResponsesDroppedPerSec

This policy monitors the rate at which the incoming responses are dropped per second as they could not be processed.

Performance Object: LS:SIP - 02 - Protocol

Counter: SIP - 009 - Incoming Responses Dropped/sec

Instance: All instances.

Threshold: This policy has the following threshold levels:

   Critical: 10

Schedule: This policy runs every one hour.

Policy type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→ Microsoft_Lync_Server_2010 →EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_Logging

This policy collects data for the Access Edge Service. The LS_AccessEdge_Logging policy logs the following metrics as mentioned in the table into the data store (CODA / HP Performance Agent) for the instance _Total.

Instance	Performance Object

RTCSrv	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

If a metric value is unavailable, this policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Schedule: This policy runs every 15 minutes.

Data Class: LS_ACCESS

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_MessagesInServer

The LS_AccessEdge_MessagesInServer policy monitors the number of messages currently being processed by the server.

Performance Object: LS:SIP - 02 - Protocol

Counter: SIP - 012 - Messages In Server

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Warning: 2500

- Critical: 5000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_MsgPerSecDroppedDueToUnknownDomain

This policy monitors the number of messages that are not routed in a second, as the message domain is not in the routing table.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 025 - Messages/sec Dropped Due To Unknown Domain

Instance: All instances.

Threshold: This policy has the following threshold:

Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_MsgsDroppedPerSecDueToCertMismatch

This policy monitors the rate at which the messages are dropped per second as they did not have an FQDN that matched the remote peer's certificate.

Performance Object: LS:SIP - 02 - Protocol

Counter: SIP - 011 - Messages/sec Dropped Due To Certificate Mismatch

Instance: All instances.

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_NoOfMsgsDropDueToInternalSrvError

The LS_AccessEdge_NoOfMsgsDropDueToInternalSrvError policy monitors the number of messages dropped due to an internal server error.

Performance Object: LS: SIP – 05 – Routing

Counter: SIP - 022 - Messages Dropped Due To Internal Error

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Warning: 10

- Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_NoOfMsgsDropDueToRoutingFailure

The LS_AccessEdge_NoOfMsgsDropDueToRoutineFailure policy monitors the total number of messages dropped due to a routing failure not covered by other counters.

Performance Object: LS:SIP - 05 - Routing

Counter: SIP - 021 - Messages Dropped Due To Other Routing Failure

Instance: All instances.

Threshold: When the difference between two samples is greater than:

- Critical: 20

- Warning: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_NoOfSrvCnxDisDueToThrottling

The LS_AccessEdge_NoOfSrvCnxDisDueToThrottling policy monitors the total number of server connections disconnected due to throttling.

Performance Object: LS:DATAPROXY - 00 - Server Connections

Counter: DATAPROXY - 035 - Server connections disconnected due to throttling

Instance: _Total

Threshold: When the difference between two samples is greater than:

- Warning: 50

- Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_PageFaultsPerSec

The LS_AccessEdge_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_PrivateBytes

The LS_AccessEdge_PrivateBytes policy monitors the Private Bytes counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ProcessorTime

The LS_AccessEdge_ProcessorTime policy monitors the % Processor Time counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: % Processor Time

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_RateOfCnxDropDueToPeer

This policy monitors the rate of the connections dropped, in a second, as the peer failed to exchange valid data with the server within establishing timeout.

Performance Object: LS: SIP – 00 – Networking

Counter: SIP - 005 - Connections Failed To Establish/Sec

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_RateOfCnxRefusedDueToSrvOverload

The LS_AccessEdge_RateOfCnxRefusedDueToSrvOverload policy monitors the rate of connections refused, in a second, with a Service Unavailable response because the server was overloaded.

Performance Object: LS: SIP – 00 – Networking

Counter: SIP - 007 - Connections Refused Due To Server Overload/Sec

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_RejExtEdgeClientConnectionsPerSec

This policy monitors the rate at which the number of client connections is rejected, in a second, at the external edge as the remote user access is disabled.

Performance Object: LS:SIP - 08 - Access Edge Server Connections

Counter: SIP - 015 - Rejected External Edge Client Connections/sec

Instance: All instances

Threshold: This policy has the following threshold :

Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→ Microsoft_Lync_Server_2010 →EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_RejExtEdgeServerConnectionsPerSec

This policy monitors the rate of server connections rejected at the external edge in a second because all federation are disabled.

Performance Object: LS:SIP - 08 - Access Edge Server Connections

Counter: SIP - 013 - Rejected External Edge Server Connections/sec

Instance: All instances.

Threshold: This policy has the following threshold:

Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→ Microsoft_Lync_Server_2010 →EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_SendsTimedOut

This policy monitors the number of sends that were dropped as they stayed in the outgoing (send) queue for a long time.

Performance Object: LS:SIP - 01 - Peers

Instance: _Total

Counter: SIP - 018 - Sends Timed-Out

Threshold: When the difference between two samples is greater than:

- Critical: 1000

- Warning: 500

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ThreadCount

The LS_AccessEdge_ThreadCount policy monitors the Thread Count counter of the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_Throttling

This policy monitors the system wide throttling.

Performance Object: LS:DATAPROXY - 00 - Server Connections

Instance: _Total

Counter: DATAPROXY - 041 - System is throttling

Threshold: When the difference between the two samples is greater than:

- Warning: 10

- Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_TimedOutTransactions

This policy monitors the total number of transactions that have timed out.

Performance Object: LS:SipEps - 01 - SipEps Transactions

Instance: All instances

Counter: SipEps - 008 - Transactions Timed Out/sec

Threshold: This policy has the following threshold:

Critical - 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_WorkingSet

This policy monitors the Working Set counter available in the Access Edge Service.

Performance Object: Process

Instance: RTCSrv

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_Logging

The LS_AVAuth_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances MRASSvc or _Total.

If a metric value is unavailable, this policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Instance	Performance Object
MRASSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_PageFaultsPerSec

The LS_AVAuth_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_PrivateBytes

This policy monitors the Private Bytes counter available in the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_ProcessorTime

This policy monitors the % Processor Time counter available in the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_ThreadCount

This policy monitors the Thread Count counter available in the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⭢**en** ⭢ **Microsoft_Office_ Communications_Server** ⭢ **Microsoft_Lync_Server_2010** ⭢**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVAuth_WorkingSet

This policy monitors the Working Set counter available in the Audio/Video Authentication service.

Performance Object: Process

Instance: MRASSvc

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_BadRequestsReceivedPerSec

This policy monitors the number of bad requests which are received in a second.

Performance Object: LS:A/V Auth - 00 - Requests

Counter: - 003 - Bad Requests Received/sec

Instance: All instances

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_DataLogging

This policy collects data for the LS A/V Edge Server. The LS_AVEdge_DataLogging policy logs the data into the data store (CODA / HP Performance Agent) for the instance _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Note:
Ensure that the LS_CreateDataSources policy is running before you deploy the LS_ AVEdgeService_Logging policy.

Instance	Performance Object

_Total	LS:A/V Edge - 00 - UDP Counters\A/V Edge - 008 - Authentication Failures/sec
	LS:A/V Edge - 01 - TCP Counters\A/V Edge - 008 - Authentication Failures/sec
	LS:A/V Edge - 00 - UDP Counters\A/V Edge - 014 - Client Request Errors/sec (4xx Responses/sec)
	LS:A/V Edge - 00 - UDP Counters\A/V Edge - 016 - Client Send Request Errors/sec
	LS:A/V Edge - 00 - UDP Counters\A/V Edge - 019 - Session Idle Timeouts/sec
	LS:A/V Edge - 01 - TCP Counters\A/V Edge - 015 - Client Request Errors/sec (4xx Responses/sec)
	LS:A/V Edge - 01 - TCP Counters\A/V Edge - 017 - Client Send Request Errors/sec
	LS:A/V Edge - 01 - TCP Counters\A/V Edge - 020 - Session Idle Timeouts/sec

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AVEdge_Logging

This policy collects data for the Audio/Video Conferencing Edge Service.

Instance	Performance Object
MediaRelaySvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AVEdge_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Audio/Video Edge service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_PrivateBytes

This policy monitors the Private Bytes counter available in the Audio/Video Edge service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_ProcessorTime

This policy monitors the % Processor Time counter available in the Audio/Video Edge service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_TCPActiveSessionsExceedingBWLmt

This policy monitors the number of active relay sessions over TCP, which are exceeding the bandwidth limit.

Performance Object: LS:A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: A/V Edge - 035 - Active Sessions Exceeding Avg Bandwidth Limit

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server⟶ Microsoft_Lync_Server_2010 ⟶EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_TCPAuthenticationFailuresPerSec

This policy monitors the number of failed authentication attempts with the relay over TCP in one second.

Performance Object: LS:A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: A/V Edge - 008 - Authentication Failures/sec

Threshold: This policy has the following threshold:

 Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶ Microsoft_Office_ Communications_Server⟶ Microsoft_Lync_Server_2010 ⟶EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_TCPPacketsDroppedPerSec

This policy monitors the rate at which the packets over TCP are dropped by the relay, in a second.

Performance Object: LS:A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: A/V Edge - 030 - Packets Dropped/sec

Threshold: This policy has the following threshold:

  Critical: 300

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_ThreadCount

This policy monitors the Thread Count counter available in the Audio/Video Edge service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_UDPActiveSessionsExceedingBWLmt

This policy monitors the number of active relay sessions over UDP, which are exceeding the bandwidth limit.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 034 - Active Sessions Exceeding Avg Bandwidth Limit

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_UDPAllocateRqstExeedingPortLimit

This policy monitors the number of allocated requests over UDP that exceed the port limit, in one second.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 010 - Allocate Requests Exceeding Port Limit/sec

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_UDPAuthenticationFailuresPerSec

This policy monitors the rate of failed authentication attempts with the relay over UDP in one second.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 008 - Authentication Failures/sec

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en → Microsoft_Office_ Communications_Server→ Microsoft_Lync_Server_2010 →EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_UDPPacketsDroppedPerSec

This policy monitors the rate of packets over UDP that are dropped by the relay in one second.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 029 - Packets Dropped/sec

Threshold: This policy has the following threshold:

Critical: 300

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AVEdge_WorkingSet

TThis policy monitors the Working Set counter available in the Audio/Video Edge service.

Performance Object: Process

Instance: MediaRelaySvc

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AccessEdgeServiceStatus

The LS_Check_AccessEdgeServiceStatus policy returns values that correspond to different states of the 'RTCSRV'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVAuthServiceStatus

The LS_Check_AppSharingServiceStatus policy returns values that correspond to different states of the 'RTCMRAUTH' service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCMRAUTH

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶en⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVEdgeServiceStatus

The CS_Check_AVEdgeServiceStatus policy checks the status of the Audio/Video Conferencing Edge Service and returns values that correspond to different states of the 'RTCMEDIARELAY'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCMEDIARELAY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶en⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Edge

The policy LS_Check_ReplicaServiceStatus_Edge checks the status of the Replica Replicator Agent Service at the Edge Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_WebEdgeServiceStatus

The LS_Check_WebEdgeServiceStatus policy returns values that correspond to different states of the 'RTCDATAPROXY'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCDATAPROXY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

The LS_Replica_PrivateBytes policy monitors the Private Bytes counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

The LS_Replica_ProcessorTime policy monitors the '% Processor Time' counter of the Replica Service.

Performance Object: Process

Counter: % Processor Time

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ThreadCount

The LS_Replica_ThreadCount policy monitors the Thread Count counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_WorkingSet

The LS_Replica_WorkingSet policy monitors the Working Set counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_ClientsDisconPerSecInvalidCookieData

This policy monitors the number of clients disconnected in a second because of invalid cookie data.

Performance Object: LS:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 012 - Clients disconnected per second due to invalid cookie data

Instance: All instances

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_ClientsDisconPerSecInvalidCookieTm

This policy monitors the number of clients rejected in a second because of invalid timestamps.

Performance Object: LS:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 008 - Clients disconnected per second due to invalid cookie timestamp

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_
Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_Logging

This policy collects data for the LS Web Conferencing Edge Service.

Instance	Performance Object
DataProxy	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Schedule: This policy runs every 15 minutes.

Data Class: LS_PROCESS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_PageFaultsPerSec

The LS_WebEdge_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_PrivateBytes

The LS_WebEdge_PrivateBytes policy monitors the Private Bytes counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_ProcessorTime

The LS_WebEdge_ProcessorTime policy monitors the % Processor Time counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_SystemThrottling

The policy monitors the system wide throttling.

Performance Object: LS:DATAPROXY - 00 - Server Connections

Instance: _Total

Counter: DATAPROXY - 041 - System is throttling

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_WebEdge_ThreadCount

The LS_WebEdge_ThreadCount policy monitors the Thread Count counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_WebEdge_ThrottedServerConnections

This policy monitors the total number of throttled server connections.

Performance Object: LS:DATAPROXY - 00 - Server Connections

Instance: _Total

Counter: DATAPROXY - 034 - Current count of server connections that are throttled

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_WorkingSet

The LS_WebEdge_WorkingSet policy monitors the Working Set counter of the Web Conferencing Edge Service.

Performance Object: Process

Instance: DataProxy

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Edge Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_AvgIncomingMsgProccessingTime

This policy monitors the average processing time of an incoming message in seconds.

Performance Object: LC:SIP - 02 – Protocol

Counter: SIP - 021 - Average Incoming Message Processing Time

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AccessEdge_ExtMsgDroppedDueToBlkedIMDomain

This policy monitors the rate of messages dropped at the external edge, in a second, because of DNS SRV resolving the domain to a server blocked in the IM Service Providers table.

Performance Object: LS:SIP - 09 - Access Edge Server Messages

Counter: SIP - 065 - External Messages/sec Dropped Due To Blocked IM Service Provider Domain

Instance: All instances

Threshold: This policy has the following threshold:

Critical: 40

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AccessEdge_RateOfCnxDropDueToPeer

This policy monitors the rate of the connections dropped, in a second, as the peer failed to exchange valid data with the server within establishing timeout.

Performance Object: LS: SIP – 00 – Networking

Counter: SIP - 005 - Connections Failed To Establish/Sec

Instance: All instances

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AccessEdge_RateOfCnxRefusedDueToSrvOverload

The LS_AccessEdge_RateOfCnxRefusedDueToSrvOverload policy monitors the rate of connections refused, in a second, with a Service Unavailable response because the server was

overloaded.

Performance Object: LS: SIP – 00 – Networking

Counter: SIP - 007 - Connections Refused Due To Server Overload/Sec

Instance: All instances

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server**⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AVEdge_BadRequestsReceivedPerSec

This policy monitors the number of bad requests which are received in a second.

Performance Object: LS:A/V Auth - 00 - Requests

Counter: - 003 - Bad Requests Received/sec

Instance: All instances

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶ **Microsoft_Office_ Communications_Server**⟶ **Microsoft_Lync_Server_2010** ⟶**EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_TCPActiveSessionsExceedingBWLmt

This policy monitors the number of active relay sessions over TCP, which are exceeding the bandwidth limit.

Performance Object: LS:A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: A/V Edge - 035 - Active Sessions Exceeding Avg Bandwidth Limit

Threshold: This policy has the following threshold:

- Warning: 10

- Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_TCPAuthenticationFailuresPerSec

This policy monitors the number of failed authentication attempts with the relay over TCP in one second.

Performance Object: LS:A/V Edge - 01 - TCP Counters

Instance: _Total

Counter: A/V Edge - 008 - Authentication Failures/sec

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AVEdge_UDPActiveSessionsExceedingBWLmt

This policy monitors the number of active relay sessions over UDP, which are exceeding the bandwidth limit.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 034 - Active Sessions Exceeding Avg Bandwidth Limit

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_AVEdge_UDPAuthenticationFailuresPerSec

This policy monitors the rate of failed authentication attempts with the relay over UDP in one second.

Performance Object: LS:A/V Edge - 00 - UDP Counters

Instance: _Total

Counter: A/V Edge - 008 - Authentication Failures/sec

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AccessEdgeServiceStatus

The LS_Check_AccessEdgeServiceStatus policy returns values that correspond to different states of the 'RTCSRV'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVAuthServiceStatus

The LS_Check_AppSharingServiceStatus policy returns values that correspond to different states of the 'RTCMRAUTH' service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCMRAUTH

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AVEdgeServiceStatus

The CS_Check_AVEdgeServiceStatus policy checks the status of the Audio/Video Conferencing Edge Service and returns values that correspond to different states of the 'RTCMEDIARELAY'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCMEDIARELAY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Edge

The policy LS_Check_ReplicaServiceStatus_Edge checks the status of the Replica Replicator Agent Service at the Edge Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored Service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Check_WebEdgeServiceStatus

The LS_Check_WebEdgeServiceStatus policy returns values that correspond to different states of the 'RTCDATAPROXY'. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCDATAPROXY

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_ClientsDisconPerSecInvalidCookieData

This policy monitors the number of clients disconnected in a second because of invalid cookie data.

Performance Object: LS:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 012 - Clients disconnected per second due to invalid cookie data

Instance: All instances

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebEdge_ClientsDisconPerSecInvalidCookieTm

This policy monitors the number of clients rejected in a second because of invalid timestamps.

Performance Object: LS:DATAPROXY - 01 - Client Connections

Counter: DATAPROXY - 008 - Clients disconnected per second due to invalid cookie timestamp

Instance: All instances

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **EdgeServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

FrontEnd Server

The FrontEnd Server is located in the internal network that hosts the IM Conferencing service, Address Book service, and Telephony Conferencing service to support registration, presence, IM, and conferencing.

This server role is available on a Standard Edition Server. In an Enterprise pool, it can either be configured with the Web Conferencing Server and A/V Conferencing Server, or can be deployed on a separate server.

Related Topics

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the FrontEnd Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AppSharing_PageFaultsPerSec

This policy monitors the Page Faults/sec counter available in the Lync Server Application Sharing service.

Performance Object: Process

Instance: ASMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⭢**en** ⭢**Microsoft_Office_ Communications_Server** ⭢**Microsoft_Lync_Server_2010** ⭢**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FileTransferAgent_PageFaultsPerSec

The LS_ FileTransferAgent_PageFaultsPerSec policy monitors the Page Faults/sec counter of the File Transfer Agent service.

Performance Object: Process

Instance: FileTransferAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⭢**en** ⭢**Microsoft_Office_ Communications_Server** ⭢**Microsoft_Lync_Server_2010** ⭢**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PageFaultsPerSec

The LS_Replica_PageFaultsPerSec monitors the Page Faults/sec counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AppSharing_ProcessorTime

The LS_AppSharing_ProcessorTime policy monitors the % Processor Time counter of the Application Sharing service.

Performance Object: Process

Counter: % Processor Time

Instance: ASMCUSvc

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AppSharing_ThreadCount

The LS_AppSharing_ThreadCount policy monitors the Thread Count counter of the Application Sharing service.

Performance Object: Process

Instance: ASMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_AppSharing_WorkingSet

The LS_AppSharing_WorkingSet policy monitors the Working Set counter of the Application Sharing service.

Performance Object: Process

Instance: ASMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AppSharingServiceStatus

The LS_Check_AppSharingServiceStatus policy checks the status of the Application Sharing Service. This policy sends a critical alert message if the service is not running. After the service

starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes

Monitored service: RTCASMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AudioTestServiceStatus

The LS_Check_AudioTestServiceStatus policy checks the status of the Audio Test Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCATS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_BandwidthAuthServiceStatus

The LS_Check_BandwidthAuthServiceStatus policy checks the status of the Bandwidth Policy (Authorization) Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCPDPAUTH

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_BandwidthCoreServiceStatus

The LS_Check_BandwidthCoreServiceStatus policy checks status of the Bandwidth Policy (Core) Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCPDPCORE

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_CallParkServiceStatus

The LS_Check_CallParkServiceStatus policy checks the status of the Call Park Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCPS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ConfAnnouncementServiceStatus

The LS_Check_ConfAnnouncementServiceStatus policy checks the status of the Conferencing Announcement Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCAS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ConfAttendantServiceStatus

The LS_Check_ConfAttendantServiceStatus policy checks the status of the ConfAttendant Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCAA

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FileTransferAgentServiceStatus

The LS_Check_FileTransferAgentServiceStatus policy checks the status of the File Transfer Agent Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: FTA

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEnd_ADStatus

The policy LS_Check_FrontEnd_ADStatus checks the connectivity status of the Active Directory with the Front End Server. It sends a critical alert message if the Active Directory is not accessible from the Front End Server. After the connectivity is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEnd_ReplicaStatus

The policy LS_Check_FrontEnd_ReplicaStatus checks the Central Management Store replication status at the Front End Server. This policy sends out a critical alert message if the Central Management Store data is not updated. After the Central Management
Store data is updated, the policy sends a normal message and acknowledges the critical error message sent previously.

Monitored service: REPLICA

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEndServiceStatus

The LS_Check_FrontEndServiceStatus policy checks the status of the Front-End Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 →FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_IMConfServiceStatus

The LS_Check_IMConfServiceStatus policy checks the status of the IM Conferencing Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCIMMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 →FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_MasterReplicatorAgentServiceStatus

The LS_Check_MasterReplicatorAgentServiceStatus policy checks the status of the Master Replicator Agent Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: MASTER

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_FrontEnd

The policy LS_Check_ReplicaServiceStatus_FrontEnd checks the status of the Replica Replicator Agent Service at the Front End Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Check_ResponseGroupServiceStatus

The LS_Check_ResponseGroupServiceStatus policy checks the status of the Response Group Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCRGS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_WebConfCompatibilityServiceStatus

The LS_Check_WebConfCompatibilityServiceStatus policy checks the status of the Web Conferencing Compatibility Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCMEETINGMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 →FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_WebConfServiceStatus

The LS_Check_WebConfServiceStatus policy checks the status of the Web Conferencing Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCDATAMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_FileTransferAgent_PrivateBytes

The LS_FileTransferAgent_PrivateBytes policy monitors the Private Bytes counter of the File Transfer Agent service.

Performance Object: Process

Instance: FileTransferAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FileTransferAgent_ProcessorTime

The LS_FileTransferAgent_ProcessorTime policy monitors the % Processor Time counter of the File Transfer Agent service.

Performance Object: Process

Counter: % Processor Time

Instance: FileTransferAgent

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Performance Monitoring policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FileTransferAgent_ThreadCount

The LS_FileTransferAgent_ThreadCount policy monitors the Thread Count counter of the File Transfer Agent service.

Performance Object: Process

Instance: FileTransferAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FileTransferAgent_WorkingSet

The LS_FileTransferAgent_WorkingSet policy monitors the Working Set counter of the File Transfer Agent service.

Performance Object: Process

Instance: FileTransferAgent

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_AvgNoOfBlkedClientThreads

This policy monitors the average number of client threads that are blocked in the queue, waiting for the queue depth to decrease.

Performance Object: LS:USrv - 01 - DBStore

Instance: All instances

Counter: USrv - 011 - Blocked Client Threads

Threshold: When the difference between the samples is greater than:

- Critical: 6000

- Warning: 4000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_AvgTimeRequestHeldInDB

This policy monitors the average time (in milliseconds) a request is held in the database queue.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances

Counter: Usrv - 002 - Queue Latency (msec)

Threshold: When the difference between two samples is greater than:

- Critical: 6000

- Warning: 4000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_AvgTimeToFetchProperties

This policy monitors the average fetch time of member properties in milliseconds.

Performance Object: LS:WEB - 00 - Distribution List Expansion

Instance: All instances

Counter: WEB - 008 - Average member properties fetch time in milliseconds

Threshold: When the difference between two samples is greater than:

- Critical: 30000

- Warning: 10000

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server** →**Microsoft_Lync_Server_2010** →**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_DataLogging

This policy collects data for the LS Front End Server.

Instance	Performance Object
All instances	LS:USrv - 00 - REGDBStore\Usrv - 002 - Queue Latency (msec)
	LS:USrv - 00 - REGDBStore\Usrv - 004 - Sproc Latency (msec)
	LS:SIP - 07 - Load Management\SIP - 000 - Average Holding Time For Incoming Messages
	LS:SIP - 04 - Responses\SIP - 055 - Local 503 Responses/sec
	LS:SIP - 04 - Responses\SIP - 057 - Local 504 Responses/sec
	LS:SIP - 01 - Peers\SIP - 017 - Sends Outstanding

Data Class: LS_PROCESS

Schedule: This policy runs every 15 minutes.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_
Communications_Server** ⟶**Microsoft_Lync_Server_2010** ⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_HoldingTimeForIncMsgs

This policy monitors the average processing time taken by the server for one request.

Performance Object: LS:SIP - 07 - Load Management

Counter: SIP - 000 - Average Holding Time For Incoming Messages

Instance: All instances

Threshold: This policy has the following threshold level:

   Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_
Communications_Server** ⟶**Microsoft_Lync_Server_2010** ⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_Local503Responses

This policy monitors the number of 503 responses received in a second. Code 503 means that the server is unavailable.

Performance Object: LS:SIP - 04 - Responses

Counter: SIP - 055 - Local 503 Responses/sec

Instance: All instances

Threshold: This policy has the following threshold level:

   Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_Local504Responses

This policy monitors the number of 504 responses received in a second. Code 504 implies that there are problems connecting to other servers.

Performance Object: LS:SIP - 04 - Responses

Counter: SIP - 057 - Local 504 Responses/sec

Instance: All instances

Threshold: This policy has the following threshold level:

Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 →FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_Logging

The LS_FrontEnd_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances RTCSrv or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

This policy has the following metrics:

Instance	Performance Object
RTCSrv	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: LS_PROCESS

Schedule: This policy runs every 15 minutes.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_NoOfRequestsWaitingOnAD

This policy monitors the number of request waiting currently for Active Directory responses.

Performance Object: LS:WEB - 00 - Distribution List Expansion

Instance: _Total

Counter: WEB - 004 - Pending Active Directory Requests

Threshold: When the difference between the samples is greater than:

- Critical: 100

- Warning: 50

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_PageFaultsPerSec

The LS_FrontEnd_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_PrivateBytes

The LS_FrontEnd_PrivateBytes policy monitors the Private Bytes counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ProcessingLatency

This policy monitors the processing time taken by the back end for one request.

Performance Object: LS:USrv - 01 - DBStore

Counter: USrv - 004 - Sproc Latency (msec)

Instance: All instances

Threshold: This policy has the following threshold level:

  Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_SearchLatency

The policy LS_FrontEnd_SearchLatency monitors the average time (in milliseconds) it takes to perform the LDAP search.

Performance Object: LS:USrv - 19 - Directory Search

Counter: USrv - 005 - Search Latency (ms)

Instance: All instances

Threshold: This policy has the following threshold levels:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ProcessorTime

The LS_FrontEnd_ProcessorTime policy monitors the % Processor Time counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: % Processor Time

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_QueueLatency

This policy monitors the time period that a request takes in the back end queue.

Performance Object: LS:USrv - 01 - DBStore

Counter: Usrv - 002 - Queue Latency (msec)

Instance: All instances

Threshold: This policy has the following threshold levels:

  Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_RateOfSoapExceptions

This policy monitors the SOAP exceptions generated per second.

Performance Object: LS:WEB - 00 - Distribution List Expansion

Instance: _Total

Counter: WEB - 015 - Soap exceptions/sec

Threshold: When the difference between two samples is greater than:

- Warning: 50

- Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_SendsOutstanding

This policy monitors the number of outbound requests and responses that are queued.

Performance Object: LS:SIP – 01 – Peers

Counter: SIP – 017 – Sends Outstanding

Instance: All instances

Threshold: This policy has the following threshold level:

  Critical: 200

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ThreadCount

The LS_FrontEnd_ThreadCount policy monitors the Thread Count counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶Microsoft_Office_Communications_Server⟶Microsoft_Lync_Server_2010⟶FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_WorkingSet

The LS_FrontEnd_WorkingSet policy monitors the Working Set counter of the Front End service.

Performance Object: Process

Instance: RTCSrv

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶Microsoft_Office_Communications_Server⟶Microsoft_Lync_Server_2010⟶FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_Logging

This policy collects data for the LS IM Conferencing Service.

This policy has the following metrics:

Instance	Performance Object
IMMCUSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Data Class: LS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_PageFaultsPerSec

The LS_IMConf_PageFaultsPerSec policy the monitors the Page Faults/sec counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_PrivateBytes

The LS_IMConf_PrivateBytes policy monitors the Private Bytes counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Private Bytes

Threshold: The policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_ProcessorTime

This policy monitors the % Processor Time counter available in the IM Conferencing service.

Performance Object: Process

Instance: IMMcuSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Performance Monitoring policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_ThreadCount

The LS_IMConf_ThreadCount policy monitors the Thread Count counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_IMConf_WorkingSet

The LS_IMConf_WorkingSet policy monitors the Working Set counter of the IM Conferencing Service.

Performance Object: Process

Instance: IMMcuSvc

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_MasterReplicatorAgent_PageFaultsPerSec

The LS_MasterReplicatorAgent_PageFaultsPerSec policy monitors the Page Faults/sec counter of the MasterReplicatorAgent Service.

Performance Object: Process

Instance: MasterReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_MasterReplicatorAgent_PrivateBytes

The LS_MasterReplicatorAgent_PrivateBytes policy monitors the Private Bytes counter of the MasterReplicatorAgent Service.

Performance Object: Process

Instance: MasterReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_MasterReplicatorAgent_ProcessorTime

The LS_MasterReplicatorAgent_ProcessorTime policy monitors the '% Processor Time' counter of the MasterReplicatorAgent Service.

Performance Object: Process

Instance: MasterReplicatorAgent

Counter: % Processor Time

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_MasterReplicatorAgent_ThreadCount

The LS_MasterReplicatorAgent_ThreadCount policy monitors the Thread Count counter of the MasterReplicatorAgent Service.

Performance Object: Process

Instance: MasterReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_MasterReplicatorAgent_WorkingSet

The LS_MasterReplicatorAgent_WorkingSet policy monitors the Working Set counter of the MasterReplicatorAgent Service.

Performance Object: Process

Instance: MasterReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

The LS_Replica_PrivateBytes policy monitors the Private Bytes counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

The LS_Replica_ProcessorTime policy monitors the '% Processor Time' counter of the Replica Service.

Performance Object: Process

Counter: % Processor Time

Instance: ReplicaReplicatorAgent

Threshold: This policy has the following threshold:

　Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_ThreadCount

The LS_Replica_ThreadCount policy monitors the Thread Count counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

　Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_WorkingSet

The LS_Replica_WorkingSet policy monitors the Working Set counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_Logging

This policy collects data for the Web Conferencing Service.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

This policy has the following metrics:

Instance	Performance Object
RTCSrv	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: LS_PROCESS

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_MCUHealthState

This policy monitors the current health of DATAMCU. The value 0 signifies that the DATAMCU is normal, 1 signifies that it is loaded, 2 signifies that it is full, and 3 signifies that the MCU is unavailable.

*Performance Object:*LS:DATAMCU - 04 - MCU Health And Performance

Counter: DATAMCU - 005 - MCU Health State

Instance: All instances.

Threshold: When the difference between two samples is greater than:

- Warning: 1

- Critical: 2

Schedule: This policy runs every one hour.

Policy type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_NumberOfUnhandledApplExceptions

The number of unhandled exceptions in application is monitored by this policy.

*Performance Object:*LS:DATAMCU - 00 - DataMCU Conferences

Counter: DATAMCU - 005 - Number of Unhandled Application Exception

Instance: All instances.

Threshold: When the difference between two samples is greater than:

- Warning: 5
- Critical: 10

Schedule: This policy runs every one hour.

Policy type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→**FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_WebConf_PageFaultsPerSec

The LS_WebConf_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→**FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_PrivateBytes

The LS_WebConf_PrivateBytes policy monitors the Private Bytes counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➔ en ➔ Microsoft_Office_ Communications_Server ➔ Microsoft_Lync_Server_2010 ➔ FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_ProcessorTime

The LS_WebConf_ProcessorTime policy monitors the % Processor Time counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_WebConf_SessionQueuesState

This policy monitors the state of session queues.

Performance Object: LS:DATAMCU - 00 - DataMCU Conferences

Instance: All instances

Counter: DATAMCU - 008 - Session queues state

Threshold: When the difference between the two samples is greater than:

- Critical: 2
- Warning: 1

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_
Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_ThreadCount

The LS_WebConf_ThreadCount policy monitors the Thread Count counter of the Web
Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

　Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_
Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConf_WorkingSet

The LS_WebConf_WorkingSet policy monitors the Working Set counter of the Web Conferencing Service.

Performance Object: Process

Instance: DataMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶Microsoft_Office_ Communications_Server⟶Microsoft_Lync_Server_2010⟶FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConfCompatibility_PageFaultsPerSec

The Page Faults / sec of Web Conference compatibility process is monitored by the LS_ WebConfCompatibility_PageFaultsPerSec policy

Performance Object: Process

Instance: MeetingMCUSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConfCompatibility_PrivateBytes

The private bytes of Web conference compatibility process is monitored by the LS_ WebConfCompatibility_PrivateBytes policy.

Performance Object: Process

Instance: MeetingMCUSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConfCompatibility_ProcessorTime

The % processor time of web conference compatibility process is monitored by the policy LS_
WebConfCompatibility_ProcessorTime policy.

Performance Object: Process

Instance: MeetingMCUSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_
Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConfCompatibility_ThreadCount

The thread count of web conference compatibility process is monitored by the LS_WebConfCompatibility_ThreadCount policy.

Performance Object: Process

Instance: MeetingMCUSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_WebConfCompatibility_WorkingSet

The Working Set bytes of web conference compatibility process is monitored by the policy LS_WebConfCompatibility_WorkingSet.

Performance Object: Process

Instance: MeetingMCUSvc

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the FrontEnd Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AppSharingServiceStatus

The LS_Check_AppSharingServiceStatus policy checks the status of the Application Sharing Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes

Monitored service: RTCASMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_AudioTestServiceStatus

The LS_Check_AudioTestServiceStatus policy checks the status of the Audio Test Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCATS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_BandwidthAuthServiceStatus

The LS_Check_BandwidthAuthServiceStatus policy checks the status of the Bandwidth Policy (Authorization) Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCPDPAUTH

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_BandwidthCoreServiceStatus

The LS_Check_BandwidthCoreServiceStatus policy checks status of the Bandwidth Policy (Core) Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCPDPCORE

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_CallParkServiceStatus

The LS_Check_CallParkServiceStatus policy checks the status of the Call Park Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCPS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ConfAnnouncementServiceStatus

The LS_Check_ConfAnnouncementServiceStatus policy checks the status of the Conferencing Announcement Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCAS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ConfAttendantServiceStatus

The LS_Check_ConfAttendantServiceStatus policy checks the status of the ConfAttendant Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCCAA

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FileTransferAgentServiceStatus

The LS_Check_FileTransferAgentServiceStatus policy checks the status of the File Transfer Agent Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: FTA

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞ en ➞ Microsoft_Office_ Communications_Server ➞ Microsoft_Lync_Server_2010 ➞ FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEnd_ReplicaStatus

The policy LS_Check_FrontEnd_ReplicaStatus checks the Central Management Store replication status at the Front End Server. This policy sends out a critical alert message if the Central Management Store data is not updated. After the Central Management
Store data is updated, the policy sends a normal message and acknowledges the critical error message sent previously.

Monitored service: REPLICA

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server** →**Microsoft_Lync_Server_2010** →**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEnd_ADStatus

The policy LS_Check_FrontEnd_ADStatus checks the connectivity status of the Active Directory with the Front End Server. It sends a critical alert message if the Active Directory is not accessible from the Front End Server. After the connectivity is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** →**en** →**Microsoft_Office_ Communications_Server** →**Microsoft_Lync_Server_2010** →**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_FrontEndServiceStatus

The LS_Check_FrontEndServiceStatus policy checks the status of the Front-End Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: RTCSRV

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_IMConfServiceStatus

The LS_Check_IMConfServiceStatus policy checks the status of the IM Conferencing Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCIMMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶**en** ⟶**Microsoft_Office_ Communications_Server**⟶**Microsoft_Lync_Server_2010**⟶**FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_MasterReplicatorAgentServiceStatus

The LS_Check_MasterReplicatorAgentServiceStatus policy checks the status of the Master Replicator Agent Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: MASTER

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_FrontEnd

The policy LS_Check_ReplicaServiceStatus_FrontEnd checks the status of the Replica Replicator Agent Service at the Front End Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Monitored service: Replica Replicator Agent

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶Microsoft_Office_ Communications_Server ⟶Microsoft_Lync_Server_2010 ⟶FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ResponseGroupServiceStatus

The LS_Check_ResponseGroupServiceStatus policy checks the status of the Response Group Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCRGS

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶en ⟶Microsoft_Office_ Communications_Server ⟶Microsoft_Lync_Server_2010 ⟶FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_WebConfCompatibilityServiceStatus

The LS_Check_WebConfCompatibilityServiceStatus policy checks the status of the Web Conferencing Compatibility Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCMEETINGMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_WebConfServiceStatus

The LS_Check_WebConfServiceStatus policy checks the status of the Web Conferencing Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCDATAMCU

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_HoldingTimeForIncMsgs

This policy monitors the average processing time taken by the server for one request.

Performance Object: LS:SIP - 07 - Load Management

Counter: SIP - 000 - Average Holding Time For Incoming Messages

Instance: All instances

Threshold: This policy has the following threshold level:

   Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_Local503Responses

This policy monitors the number of 503 responses received in a second. Code 503 means that the server is unavailable.

Performance Object: LS:SIP - 04 - Responses

Counter: SIP - 055 - Local 503 Responses/sec

Instance: All instances

Threshold: This policy has the following threshold level:

  Critical: 5

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers →en →Microsoft_Office_ Communications_Server→Microsoft_Lync_Server_2010→FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_ProcessingLatency

This policy monitors the processing time taken by the back end for one request.

Performance Object: LS:USrv - 01 - DBStore

Counter: USrv - 004 - Sproc Latency (msec)

Instance: All instances

Threshold: This policy has the following threshold level:

Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞en ➞Microsoft_Office_ Communications_Server➞Microsoft_Lync_Server_2010➞FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_FrontEnd_QueueLatency

This policy monitors the time period that a request takes in the back end queue.

Performance Object: LS:USrv - 01 - DBStore

Counter: Usrv - 002 - Queue Latency (msec)

Instance: All instances

Threshold: This policy has the following threshold levels:

Critical: 6000

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞en ➞Microsoft_Office_ Communications_Server➞Microsoft_Lync_Server_2010➞FrontEndServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_SearchLatency

The policy LS_FrontEnd_SearchLatency monitors the average time (in milliseconds) it takes to perform the LDAP search.

Performance Object: LS:USrv - 19 - Directory Search

Counter: USrv - 005 - Search Latency (ms)

Instance: All instances

Threshold: This policy has the following threshold levels:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_FrontEnd_SendsOutstanding

This policy monitors the number of outbound requests and responses that are queued.

Performance Object: LS:SIP – 01 – Peers

Counter: SIP – 017 – Sends Outstanding

Instance: All instances

Threshold: This policy has the following threshold level:

   Critical: 200

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➞en ➞Microsoft_Office_ Communications_Server➞Microsoft_Lync_Server_2010➞FrontEndServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

MediationServer

The Mediation Server is located in the internal network that mediates signaling and media between the Enterprise Voice infrastructure (such as a Director or home server) and another gateway (such as a Basic Media Gateway).

A Mediation Server is also used to link Office Communications Server and a PBX in both departmental deployment and PBX integration topologies. The Mediation Server is deployed on a separate and dedicated server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the Mediation Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_ Mediation _PageFaultsPerSec

The LS_ Mediation _PageFaultsPerSec policy monitors the Page Faults/sec counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

  Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_MediationServiceStatus

The LS_Check_MediationServiceStatus policy checks the status of the Mediation Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCMEDSRV

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Mediation_ADStatus

The policy LS_Check_Mediation_ADStatus checks the connectivity status of the Active Directory with the Mediation Server and sends a critical alert message if the Active Directory is not accessible from the Mediation Server. After the connectivity is obtained,
the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Check_Mediation_ReplicaStatus

The policy LS_Check_Mediation_ReplicaStatus checks the Central Management Store replication status at the Mediation Server. This policy sends out a critical alert message if the Central Management Store data is not updated. After the Central Management Store data is updated, the policy sends a normal message and acknowledges the critical error message sent previously.

Monitored service: REPLICA

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Mediation

The policy LS_Check_ReplicaServiceStatus_Mediation checks the status of the Replica Replicator Agent Service at the Mediation Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: Replica Replicator Agent

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_LoadCallFailureIndex

This policy monitors the index of call failures due to heavy load. The index is scaled between 0 and 100.

Performance Object: LS:MediationServer - 03 - Health Indices

Counter: - 000 - Load Call Failure Index

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_Logging

This policy collects data for the Lync Server Mediation Service. The LS_Mediation_Logging policy logs the following metrics into the data store (CODA or HP Performance Agent) for the instances MediationServerSvc or _Total.

If a metric value is unavailable, the policy logs zero (for real or integer metrics) or an empty string (for string-valued metrics).

Instance	Performance Object

MediationServerSvc	Process\Working Set
	Process\Page Faults/sec
	Process\Private Bytes
	Process\Thread Count
	Process\% Processor Time
_Total	Processor\% Processor Time

Data Class: LS_PROCESS

Schedule: This policy runs every 15 minutes.

*Policy Type:*Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 → MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_NoOfCallsFailedFromProxy

This policy monitors the number of call failures due to unexpected interaction with the proxy.

Performance Object: LS:MediationServer - 05 - Global Per Gateway Counters

Instance: All instances

Counter: - 000 - Total failed calls caused by unexpected interaction from a gateway

Threshold: When the difference between the two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010→ MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_NoOfMediaCnxCheckFailures

This policy monitors the number of failures in the media connectivity check.

Performance Object: LS:MediationServer - 02 - Media Relay

Counter: - 001 - Media Connectivity Check Failure

Instance: All instances

Threshold: When the difference between the two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010→ MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServers

- Registrar

LS_Mediation_PrivateBytes

The LS_Mediation_PrivateBytes policy monitors the Private Bytes counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_ProcessorTime

The LS_Mediation_ProcessorTime policy monitors the % Processor Time counter of the Mediation service.

Performance Object: Process

Counter: % Processor Time

Instance: MediationServerSvc

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 → MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_RejectedSIPInvitesFromProxy

The policy monitors the number of SIP INVITEs from proxy which were rejected immediately because of the server load.

Performance Object: LS:MediationServer - 00 - Outbound Calls

Counter: - 003 - Total rejected due to load

Instance: All instances

Threshold: When the difference between two samples is greater than:

- Warning: 5

- Critical: 10

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en →Microsoft_Office_ Communications_Server →Microsoft_Lync_Server_2010 → MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_ThreadCount

The LS_Mediation_ThreadCount policy monitors the Thread Count counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Mediation_WorkingSet

The LS_Mediation_WorkingSet policy monitors the Working Set counter of the Mediation service.

Performance Object: Process

Instance: MediationServerSvc

Counter: Working Set

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_PageFaultsPerSec

The LS_ReplicaService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→ **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

The LS_Replica_PrivateBytes policy the Private Bytes counter of the Replica Service.

Performance Object: Process.

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** →**Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→ **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

The LS_Replica_ProcessorTime policy monitors the '% Processor Time' counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: % Processor Time

Threshold: This policy has the following threshold:

  Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ThreadCount

The LS_ReplicaService_ThreadCount policy monitors the Thread Count counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_WorkingSet

The LS_Replica_WorkingSet policy monitors the Working Set counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Mediation Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_MediationServiceStatus

The LS_Check_MediationServiceStatus policy checks the status of the Mediation Service. This policy sends a critical alert message if the service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: RTCMEDSRV

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Mediation

The policy LS_Check_ReplicaServiceStatus_Mediation checks the status of the Replica Replicator Agent Service at the Mediation Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: Replica Replicator Agent

Policy Type: Measurement Threshold policy.

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MediationServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

MonitoringServer

The Monitoring Server is a server role in the internal network that gathers all records information about the call details and quality of experience (QoE).

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the Monitoring Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_DroppedMessagesFromMQ

This policy monitors the number of messages that are dropped from the MSMQ queue.

Performance Object: LS:CDR Service - 01 - READ

Instance: All instances

Counter: CDR Service - 006 - Dropped messages from MQ

Threshold: This policy has the following threshold:

　Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_MessagesFailedValidation

This policy monitors the number of messages that failed the validation process.

Performance Object: LS:CDR Service - 01 - READ

Instance: All instances

Counter: CDR Service - 002 - Messages that failed validation

Threshold: This policy has the following threshold:

　Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_MessagesFailedWrittenDB

This policy monitors the number of messages that failed to get written to the SQL database.

Performance Object: LS:CDR Service - 02 - WRITE

Instance: All instances

Counter: CDR Service - 002 - Messages failed to be written to DB

Threshold: This policy has the following threshold:

　Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_NoOfFailuresDueToInternalLks

This policy monitors the number of error report failures that occurred because of internal locks.

Performance Object: LS:CDR Service - 03 - Report Error

Instance: All instances.

Counter: CDR Service - 001 - Number of failures due to internal locks

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_CallDetailRecording_NumberOfThrottledErrorReports

This policy monitors the number of error reports throttled because of the limit on maximum reports in a minute.

Performance Object: LS:CDR Service - 03 - Report Error

Instance: All instances

Counter: CDR Service - 002 - Number of throttled error reports due to max report per minute limit

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_NumberOfUnknownFailures

This policy monitors the number of unknown error report failures.

Performance Object: LS:CDR Service - 03 - Report Error

Instance: All instances.

Counter: CDR Service - 000 - Number of unknown failures

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_PageFaultsPerSec

The LS_CallDetailRecording_PageFaultsPerSec policy monitors the Page Faults/sec counter of the CallDetailRecording Service.

Performance Object: Process

Instance: RtcCdr

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_PrivateBytes

The LS_CallDetailRecording_PrivateBytes policy monitors the private bytes counter.

Performance Object: Process

Instance: RtcCdr

Counter: PrivateBytes

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_ProcessorTime

The LS_CallDetailRecording_ProcessorTime policy monitors the '% Processor Time' counter of the CallDetailRecording Service.

Performance Object: Process

Instance: RtcCdr

Counter: % Processor Time

Threshold: This policy has the following threshold:

Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_QueueLatency

This policy monitors the average time (in milliseconds) the database holds a request in queue.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 002 - Queue Latency (msec)

Threshold: This policy has the following threshold:

    Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_ThreadCount

The LS_CallDetailRecording_ThreadCount policy monitors the thread count counter of the CallDetailRecording Service.

Performance Object: Process

Instance: RtcCdr

Counter: Thread Count

Threshold: This policy has the following threshold:

Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalDeadLks

This policy monitors the total number of deadlocks that have occurred since the start of the server.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 013 - Total Deadlocks

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalFatalSQLErrors

This policy monitors the number of fatal SQL errors that have taken place since the server started.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 019 - Total fatal SQL errors

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalODBCFailures

This policy monitors the number of ODBC timeout failures that have taken place since the server started.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances

Counter: CDR Service - 017 - Total ODBC Timeout Failures

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_CallDetailRecording_TotalSevereSQLErrors

This policy monitors the number of severe SQL errors that occurred since the server started.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 018 - Total severe SQL errors

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalThrottledRequests

This policy monitors the number of requests that were rejected with a retry-after due to high database queue latency.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances

Counter: CDR Service - 021 - Total throttled requests

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TransactionsAborted

This policy monitors the number of transactions that are aborted.

Performance Object: LS:CDR Service - 01 - READ

Instance: All instances

Counter: CDR Service - 010 - Transactions aborted

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_WorkingSet

The LS_CallDetailRecording_WorkingSet policy monitors the Working Set counter of the CallDetailRecording Service.

Performance Object: Process

Instance: RtcCdr

Counter: Working Set

Threshold: This policy has the following threshold:

Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Check_CallDetailRecordingServiceStatus

The LS_Check_CallDetailRecordingServiceStatus checks the status of the Call Detail Recording Service. This policy sends a critical alert message if the service is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored Service: RTCCDR

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Monitor_ADStatus

The policy LS_Check_Monitor_ADStatus checks the connectivity status of the Active Directory with the Monitoring Server and sends a critical alert message if the Active Directory is not accessible from the Monitoring Server. After the connectivity is obtained, the policy sends a normal message and acknowledges the critical alert sent previously.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_Monitor_ReplicaStatus

The policy LS_Check_Monitor_ReplicaStatus checks the Central Management Store replication status at the Monitoring Server. This policy sends out a critical alert message if the Central Management Store data is not updated. After the Central Management Store data is updated, the policy sends a normal message and acknowledges the critical error message sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: REPLICA

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_QualityMonitoringServiceStatus

The LS_Check_QualityMonitoringServiceStatus checks the status of the QoE Monitoring Service. This policy sends a critical alert message if the QualityMonitoringService is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored Service: RTCQMS

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Monitor

The policy LS_Check_ReplicaServiceStatus_Monitor checks the status of the Replica Replicator Agent Service at the Monitoring Server and returns values that correspond to different states of the

service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: Replica Replicator Agent

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_NoIncorrectMSMQMsgsReceive

This policy monitors the number of discarded MSMQ messages that are not of the expected type or version.

Performance Object: LS:QMS - 00 - QoEMonitoringServer

Instance: All instances.

Counter: QMS - 004 - Number of MSMQ messages received with an incorrect type or version

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_PageFaultsPerSec

The LS_QualityMonitoring_PageFaultsPerSec policy monitors the Page Faults/sec counter of the QualityMonitoring Service.

Performance Object: Process

Instance: QmsSvc

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

   Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers**→ **en** → **Microsoft_Office_ Communications_Server**→**Microsoft_Lync_Server_2010**→ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_PrivateBytes

The LS_QualityMonitoring_PrivateBytes policy monitors the Private Bytes counter of the QualityMonitoring Service.

Performance Object: Process

Instance: QmsSvc

Counter: Private Bytes

Threshold: This policy has the following threshold:

   Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➝ **en** ➝ **Microsoft_Office_ Communications_Server** ➝ **Microsoft_Lync_Server_2010** ➝ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_ProcessorTime

The LS_QualityMonitoring_ProcessorTimepolicy monitors the '% Processor Time' counter of the QualityMonitoring Service.

Performance Object: Process

Instance: QmsSvc

Counter: % Processor Time

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_ThreadCount

The LS_QualityMonitoring_ThreadCount policy monitors the Thread Count counter of the QualityMonitoring Service.

Performance Object: Process

Instance: QmsSvc

Counter: Thread Count

Threshold: This policy has the following threshold:

  Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_WorkingSet

The LS_QualityMonitoring_WorkingSet policy monitors the working set counter of the QualityMonitoring Service.

Performance Object: Process

Instance: QmsSvc

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_NoRptssDropDueToDBFailure

This policy monitors the number of reports dropped because of database insertion failure. The transaction was committed prematurely because of an unrecoverable database error.

Performance Object: LS:QMS - 00 - QoEMonitoringServer

Instance: All instances.

Counter: QMS - 003 - Total number of reports that were dropped due to database insertion failure.

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_PageFaultsPerSec

The LS_ReplicaService_PageFaultsPerSec policy monitors the Page Faults/sec counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Page Faults/sec

Threshold: This policy has the following threshold:

Critical: 100

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_PrivateBytes

The LS_Replica_PrivateBytes policy the Private Bytes counter of the Replica Service.

Performance Object: Process.

Instance: ReplicaReplicatorAgent

Counter: Private Bytes

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_ProcessorTime

The LS_Replica_ProcessorTime policy monitors the '% Processor Time' counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: % Processor Time

Threshold: This policy has the following threshold:

   Critical: 90

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Replica_ThreadCount

The LS_ReplicaService_ThreadCount policy monitors the Thread Count counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Thread Count

Threshold: This policy has the following threshold:

   Critical: 150

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Replica_WorkingSet

The LS_Replica_WorkingSet policy monitors the Working Set counter of the Replica Service.

Performance Object: Process

Instance: ReplicaReplicatorAgent

Counter: Working Set

Threshold: This policy has the following threshold:

  Critical: 2e+007

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Golden Policies

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Monitoring Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_MessagesFailedValidation

This policy monitors the number of messages that failed the validation process.

Performance Object: LS:CDR Service - 01 - READ

Instance: All instances

Counter: CDR Service - 002 - Messages that failed validation

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_MessagesFailedWrittenDB

This policy monitors the number of messages that failed to get written to the SQL database.

Performance Object: LS:CDR Service - 02 - WRITE

Instance: All instances

Counter: CDR Service - 002 - Messages failed to be written to DB

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Microsoft_Office_ Communications_Server ➝ Microsoft_Lync_Server_2010 ➝ MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_QueueLatency

This policy monitors the average time (in milliseconds) the database holds a request in queue.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 002 - Queue Latency (msec)

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_CallDetailRecording_TotalDeadLks

This policy monitors the total number of deadlocks that have occurred since the start of the server.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 013 - Total Deadlocks

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalFatalSQLErrors

This policy monitors the number of fatal SQL errors that have taken place since the server started.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances.

Counter: CDR Service - 019 - Total fatal SQL errors

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TotalThrottledRequests

This policy monitors the number of requests that were rejected with a retry-after due to high database queue latency.

Performance Object: LS:CDR Service - 00 - DBCdr

Instance: All instances

Counter: CDR Service - 021 - Total throttled requests

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➔ **en** ➔ **Microsoft_Office_ Communications_Server** ➔ **Microsoft_Lync_Server_2010** ➔ **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_CallDetailRecording_TransactionsAborted

This policy monitors the number of transactions that are aborted.

Performance Object: LS:CDR Service - 01 - READ

Instance: All instances

Counter: CDR Service - 010 - Transactions aborted

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_CallDetailRecordingServiceStatus

The LS_Check_CallDetailRecordingServiceStatus checks the status of the Call Detail Recording Service. This policy sends a critical alert message if the service is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored Service: RTCCDR

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_QualityMonitoringServiceStatus

The LS_Check_QualityMonitoringServiceStatus checks the status of the QoE Monitoring Service. This policy sends a critical alert message if the QualityMonitoringService is not running. After the service starts the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored Service: RTCQMS

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Check_ReplicaServiceStatus_Monitor

The policy LS_Check_ReplicaServiceStatus_Monitor checks the status of the Replica Replicator Agent Service at the Monitoring Server and returns values that correspond to different states of the service. This policy sends a critical alert message if the Replica Replicator Agent Service is not running. After the service starts, the policy acknowledges the alert sent previously.

Schedule: This policy runs every 5 minutes.

Monitored service: Replica Replicator Agent

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_NoIncorrectMSMQMsgsReceive

This policy monitors the number of discarded MSMQ messages that are not of the expected type or version.

Performance Object: LS:QMS - 00 - QoEMonitoringServer

Instance: All instances.

Counter: QMS - 004 - Number of MSMQ messages received with an incorrect type or version

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_QualityMonitoring_NoRptssDropDueToDBFailure

This policy monitors the number of reports dropped because of database insertion failure. The transaction was committed prematurely because of an unrecoverable database error.

Performance Object: LS:QMS - 00 - QoEMonitoringServer

Instance: All instances.

Counter: QMS - 003 - Total number of reports that were dropped due to database insertion failure.

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** � **en** � **Microsoft_Office_ Communications_Server** � **Microsoft_Lync_Server_2010** � **MonitoringServer**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Registrar

The registrar server is a component that accepts register requests from users and is located along with a Director or a Front End server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

General Policies

The General policy group contains all the policies that monitor the processes and services of the Registrar Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_EndpointsDisconnected

This policy monitors the number of endpoints that are disconnected because of missed keep-alives.

Performance Object: LS:USrv - 12 - Register

Instance: All instances.

Counter: USrv - 011 - Endpoints Disconnected

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_IndirectEndpointsDisconnected

This policy monitors the number of indirect endpoints that are disconnected because of error responses.

Performance Object: LS:USrv - 12 - Register

Instance: All instances.

Counter: USrv - 012 - Indirectly Connected Endpoints Disconnected

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ➝ en ➝ Microsoft_Office_ Communications_Server ➝ Microsoft_Lync_Server_2010 ➝ Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_LegacyRegistersRejected

This policy monitors the number of legacy registers that are rejected because the publisher is in rich mode.

Performance Object: LS:USrv - 12 - Register

Instance: All instances.

Counter: USrv - 005 - Legacy REGISTERs rejected (421 Response)

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Registrar_QueueDepth

This policy monitors the average number of database requests to execute.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 000 - Queue Depth

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_QueueLatency

This policy monitors the average time (in milliseconds) a request is held in database queue.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 002 - Queue Latency (msec)

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_RegistrationNotificationSent

This policy monitors the number of deregistered notifications that are sent to the contacts. These notifications are sent when the server decides that the contacts are invalid.

Performance Object: LS:USrv - 12 - Register

Instance: All instances.

Counter: USrv - 006 - Registration Notifications Sent

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_ThrottledRequests

This policy monitors the number of requests rejected in a second with a message to retry later because of the high database latency.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 020 - Throttled requests/sec

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Registrar_TotalDeadlkFailures

This policy monitors the number of deadlock failures occurred since the server was started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 015 - Total Deadlock Failures

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer
- AVConfServer
- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalDeadLks

This policy monitors the number of deadlocks occurred since the server started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 013 - Total Deadlocks

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers ⟶ en ⟶ Microsoft_Office_ Communications_Server ⟶ Microsoft_Lync_Server_2010 ⟶ Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalDroppedRequests

This policy monitors the number of requests dropped by the database layer as they will time out.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 014 - Total Dropped Requests

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalFatalSQLErrors

This policy monitors the number of fatal SQL errors occurred since the server started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 019 - Total fatal SQL errors

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ➞ **en** ➞ **Microsoft_Office_ Communications_Server** ➞ **Microsoft_Lync_Server_2010** ➞ **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalODBCTimeoutFailures

This policy monitors the number of ODBC timeout failures occurred since the server was started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 017 - Total ODBC Timeout Failures

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalSevereSQLErrors

This policy monitors the number of severe SQL errors occurred since the server started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 018 - Total severe SQL errors

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_ Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalThrottledRequests

This policy monitors the number of requests rejected with a message to retry after some time because of high database queue latency.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 021 - Total throttled requests

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

GoldenMetrics

The GoldenMetrics policy group is a sub set of the General policy group. This sub-group contains policies mandatory for monitoring the Microsoft Lync Server 2010. You must deploy these policies on the Registrar Server.

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_EndpointsDisconnected

This policy monitors the number of endpoints that are disconnected because of missed keep-alives.

Performance Object: LS:USrv - 12 - Register

Instance: All instances.

Counter: USrv - 011 - Endpoints Disconnected

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer
- AVConfServer
- Common
- DirectorServer
- Discovery
- EdgeServer
- FrontEndServer
- MediationServer
- MonitoringServer
- Registrar

LS_Registrar_IndirectEndpointsDisconnected

This policy monitors the number of indirect endpoints that are disconnected because of error responses.

Performance Object: LS:USrv - 12 - Register

Instance: All instances*.*

Counter: USrv - 012 - Indirectly Connected Endpoints Disconnected

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer
- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_QueueDepth

This policy monitors the average number of database requests to execute.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 000 - Queue Depth

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_QueueLatency

This policy monitors the average time (in milliseconds) a request is held in database queue.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 002 - Queue Latency (msec)

Threshold: This policy has the following threshold:

    Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** ⟶ **en** ⟶ **Microsoft_Office_
Communications_Server** ⟶ **Microsoft_Lync_Server_2010** ⟶ **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_ThrottledRequests

This policy monitors the number of requests rejected in a second with a message to retry later because of the high database latency.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 020 - Throttled requests/sec

Threshold: This policy has the following threshold:

    Critical: 20

Schedule: This policy runs every 15 minutes.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalDeadlkFailures

This policy monitors the number of deadlock failures occurred since the server was started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 015 - Total Deadlock Failures

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2010 → Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalDeadLks

This policy monitors the number of deadlocks occurred since the server started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 013 - Total Deadlocks

Threshold: This policy has the following threshold:

  Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalDroppedRequests

This policy monitors the number of requests dropped by the database layer as they will time out.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 014 - Total Dropped Requests

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalFatalSQLErrors

This policy monitors the number of fatal SQL errors occurred since the server started.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 019 - Total fatal SQL errors

Threshold: This policy has the following threshold:

Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers** → **en** → **Microsoft_Office_Communications_Server** → **Microsoft_Lync_Server_2010** → **Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

LS_Registrar_TotalThrottledRequests

This policy monitors the number of requests rejected with a message to retry after some time because of high database queue latency.

Performance Object: LS:USrv - 00 - REGDBStore

Instance: All instances.

Counter: USrv - 021 - Total throttled requests

Threshold: This policy has the following threshold:

   Critical: 20

Schedule: This policy runs every one hour.

Policy Type: Measurement Threshold policy

Policy Group: **SPI for Microsoft Enterprise Servers en Microsoft_Office_ Communications_Server Microsoft_Lync_Server_2010 Registrar**

Related Topics:

- ArchivingServer

- AVConfServer

- Common

- DirectorServer

- Discovery

- EdgeServer

- FrontEndServer

- MediationServer

- MonitoringServer

- Registrar

Microsoft Enterprise Servers SPI Microsoft Lync Server 2010 Graphs

The graphs are pictorial representation of the various metrics. Graphs contain data that are collected by policies.

The Microsoft Lync Server 2010 SPI graphs are as follows:

Front End Service CPU statistics

The Front End Service CPU statistics graph shows the CPU statistics of the Front End service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the Front End service is utilizing the processor time.

This graph uses the data collected by the LS_FrontEndService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Web Conferencing Service CPU statistics

The Web Conferencing Service CPU statistics graph shows the CPU statistics of the web conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the web conferencing service is utilizing the processor time.

This graph uses the data collected by the LS_WebConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

IM Conferencing Service CPU statistics

The IM Conferencing Service CPU statistics graph shows the CPU statistics of the IM conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the IM conferencing service is utilizing the processor time.

This graph uses the data collected by the LS_IMConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Conferencing Service CPU statistics

The Audio/Video Conferencing Service CPU statistics graph shows the CPU statistics of the audio/video conferencing service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video conferencing service is utilizing the processor time.

This graph uses the data collected by the LS_AVConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Access Edge Service CPU statistics

The Access Edge Service CPU statistics graph shows the CPU statistics of the access edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the access edge service is utilizing the processor time.

This graph uses the data collected by the LS_AccessEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Edge Service CPU statistics

The Audio/Video Edge Service CPU statistics graph shows the CPU statistics of the audio/video edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video edge service is utilizing the processor time.

This graph uses the data collected by the LS_AVEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Authentication Service CPU statistics

The Audio/Video Authentication Service CPU statistics graph shows the CPU statistics of the audio/video authentication service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video authentication service is utilizing the processor time.

This graph uses the data collected by the LS_AVAuthService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Web Conferencing Edge Service CPU statistics

The Web Conferencing Edge Service CPU statistics graph shows the CPU statistics of the web conferencing edge service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the web conferencing edge service is utilizing the processor time.

This graph uses the data collected by the LS_WebEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Archiving and CDR Service CPU statistics

The Archiving and CDR Service CPU statistics graph shows the CPU statistics of the Archiving and CDR service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the Archiving and CDR service is utilizing the processor time.

This graph uses the data collected by the LS_ArchivingCDRService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Mediation Service CPU statistics

The Mediation Service CPU statistics graph shows the CPU statistics of the mediation service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the mediation service is utilizing the processor time.

This graph uses the data collected by the LS_MediationService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Front End Service Memory Statistics

The Front End Service Memory Statistics graph shows the memory statistics of the front end service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the front end service.

This graph uses the data collected by the LS_FrontEndService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Web Conferencing Service Memory Statistics

The Web Conferencing Service Memory Statistics graph shows the memory statistics of the web conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the LS_WebConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

IM Conferencing Service Memory Statistics

The IM Conferencing Service Memory Statistics graph shows the memory statistics of the IM conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the LS_IMConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Conferencing Service Memory Statistics

The Audio/Video Conferencing Service Memory Statistics graph shows the memory statistics of the audio/video conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video conferencing service.

This graph uses the data collected by the LS_AVConfService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Access Edge Service Memory Statistics

The Access Edge Service Memory Statistics graph shows the memory statistics of the access edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the access edge service.

This graph uses the data collected by the LS_AccessEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Edge Service Memory Statistics

The Audio/Video Edge Service Memory Statistics graph shows the memory statistics of the audio/video edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video edge service.

This graph uses the data collected by the LS_AVEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Audio/Video Authentication Service Memory Statistics

The Audio/Video Authentication Service Memory Statistics graph shows the memory statistics of the audio/video authentication service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video authentication service.

This graph uses the data collected by the LS_AVAuthService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Web Conferencing Edge Service Memory Statistics

The Web Conferencing Edge Service Memory Statistics graph shows the memory statistics of the web conferencing edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing edge service.

This graph uses the data collected by the LS_WebEdgeService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Archiving and CDR Service Memory Statistics

The Archiving and CDR Service Memory Statistics graph shows the memory statistics of the Archiving and CDR service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the Archiving and CDR service.

This graph uses the data collected by the LS_ArchivingCDRService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Mediation Service Memory Statistics

The Mediation Service Memory Statistics graph shows the memory statistics of the mediation service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the mediation service.

This graph uses the data collected by the LS_MediationService_Logging policy. In the data store of the node, the LS_PROCESS table is used to construct this graph.

Authentication failures/sec on Audio/Video Edge Server

The Authentication failures/sec on Audio/Video Edge Server graph shows the authentication failures per sec over UDP and TCP on the A/V Edge Server

This graph uses the data collected by the LS_AVEdgeServer_Logging policy. In the data store of the node, the LS_AVEDGE table is used to construct this graph.

SQL Back End Latency Experienced By Front End Server

The SQL Back End Latency Experienced By Front End Server graph shows the amount of time that a request spent in the queue to the SQL back end and the time taken by the SQL backend to process a request. . If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

This graph uses the data collected by the LS_FrontEndServer_Logging policy. In the data store of the node, the LS_FRONTEND table is used to construct this graph.

Average Holding Time for Incoming Messages on Front End Server

The Average Holding Time for Incoming Messages on Front End Server graph shows the average holding time for incoming messages on the front end server. A high value indicates that the front end server is overloaded and unable to process the requests on time.

This graph uses the data collected by the LS_FrontEndServer_Logging policy. In the data store of the node, the LS_FRONTEND table is used to construct this graph.

Front End Server Availability and Connectivity

The Front End Server Availability and Connectivity graph shows the Local 503 Responses/sec on the front end server. The 503 code indicates that the server is unavailable while the 504 code indicates connectivity problems with other servers.

This graph uses the data collected by the LS_FrontEndServer_Logging policy. In the data store of the node, the LS_FRONTEND table is used to construct this graph.

Sends Outstanding on Front End Server

The Sends Outstanding on Front End Server graph shows the Sends Outstanding on the front end server. A high value means that a large number of requests and responses are queued outbound and could be due to network latency issues or a problem with a remote server.

This graph uses the data collected by the LS_FrontEndServer_Logging policy. In the data store of the node, the LS_FRONTEND table is used to construct this graph.

Average Incoming Message Processing Time on Access Edge Server

The Average Incoming Message Processing Time on Access Edge Server graph shows the Average Incoming Message Processing Time on the Access Edge Server . High values indicate that the Access Edge Server is overloaded and unable to process the requests on time.

This graph uses the data collected by the LS_AccessEdgeServer_Logging policy. In the data store of the node, the LS_ACCESSEDGE table is used to construct this graph.

Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server graph shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over UDP on the Audio/Video Edge Server. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the LS_AVEdgeServer_Logging policy. In the data store of the node, the LS_AVEDGE table is used to construct this graph.

Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server graph shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over TCP on the Audio/Video Edge Server. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the LS_AVEdgeServer_Logging policy. In the data store of the node, the LS_AVEDGE table is used to construct this graph.

Related Topics

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2010 Reports

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2010 Policies

Microsoft Enterprise Servers SPI Microsoft Lync Server 2010 Tools

The Microsoft Enterprise SPI provides the following tools for Microsoft Lync Server 2010.

Create Datasource for Lync Server 2010

The Create Datasource for Lync Server 2010 tool creates databases into the HP Operations agent's data store (embedded performance component-also known as CODA).

If you use Performance Agent as the data store, data source creation and data logging happens in Performance Agent, by default. There is no additional configuration required.

If you do not have the HP Performance Agent installed in your environment, the tool creates databases into CODA.

To launch the Create Datasource tool, follow these steps:

1. In the console tree, expand Tools ⟶ SPI for Microsoft Enterprise Servers ⟶ Lync Server 2010.

2. Double-click the **Create Datasource for Lync Server 2010** tool in the details pane. The Create Datasource window opens.

3. Select the nodes on which you want to run the tool, and then click **Launch**. If the tool is successfully launched on the selected nodes, the Tool Status window opens and displays the status.

To create data sources and to log data into CODA, while the HP Performance Agent is installed, follow these steps:

1. Create a folder `dsi2ddf` in the path `%OvAgentDir%\Conf`, if it does not exist.

2. Create an empty file `nocoda.opt`

3. Enter the names of the data sources that are to be logged in the HP Performance agent in the `nocoda.opt` file. Do not enter the names of the data source in the `nocoda.opt` file that should be logged in CODA. The name of the Lync Server data source is 'CS'. If you want the Lync Server data source to be created in CODA, while the HP PA is also installed, then exclude "CS" from the `nocoda.opt` file.

Configure Edge server Discovery for Lync Server 2010

The **Configure Edge server Discovery for Lync Server 2010** tool stores user information required to run the LS_Discovery policy on the Edge Server in an encrypted format. The SPI Discovery instrumentation reads the user information that is stored on the Edge Server.

To know more about the User Information, see section on LS_DiscoveryPolicy

Microsoft Enterprise Servers SPI Microsoft Lync Server 2010 Reports

The Microsoft Enterprise Servers SPI for Microsoft Lync Server 2010 has the following reports:

LS2K10 Front End Service CPU Stat

The LS2K10 Front End Service CPU Stat report shows CPU statistics of the front end service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the front end service compared with the percentage of time the system's CPU was busy.

LS2K10 IM Conferencing Service CPU Stat

The LS2K10 IM Conferencing Service CPU Stat report shows CPU statistics of the IM conferencing service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the IM conferencing compared with the percentage of time the system's CPU was busy.

LS2K10 Access Edge Service CPU Stat

The LS2K10 Access Edge Service CPU Stat report shows CPU statistics of the access edge service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the access edge compared with the percentage of time the system's CPU was busy.

LS2K10 Front End Service Memory Stat

The LS2K10 Front End Service Memory Stat report shows summary memory statistics of the front end service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the front end service.

LS2K10 IM Conferencing Service Memory Stat

The LS2K10 IM Conferencing Service Memory Stat report shows summary memory statistics of the IM conferencing service in graphical and tabular format. The summarized process statistics

include the page faults per second, private bytes, and working set used by the IM conferencing service.

LS2K10 Access Edge Service Memory Stat

The LS2K10 Access Edge Service Memory Stat report shows summary memory statistics of the access edge service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes, and working set used by the access edge service.

LS2K10 SQL Back End Lat Exp by Front End Server

The LS2K10 SQL Back End Lat Exp by Front End Server report shows the amount of time that a request spent in the queue to the SQL back end and the amount of time taken by the back end to process in graphical (line graph) and tabular format. If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

LS2K10 Avg Hold Time for In Msg Front End Server

The LS2K10 Avg Hold Time for In Msg Front End Server report shows the average holding time for incoming messages on the front end server in graphical (line graph) and tabular format.A high value indicates that the front end server is overloaded and unable to process the requests on time.

LS2K10 Front End Server Avail and Conn

The LS2K10 Front End Server Avail and Conn report shows the Local 503 Responses/sec and the Local 504 Responses/sec on the front end server in graphical (line graph) and tabular format. The 503 code indicates that the server is unavailable while the 504 code indicates that there are connectivity problems with other servers.

LS2K10 Sends Outstanding on Front End Server

The LS2K10 Sends Outstanding on Front End Server report shows the Sends Outstanding on the front end server in graphical (line graph) and tabular format. A high value means that a large number of requests and responses are queued outbound and this could be due to network latency issues or a problem with a remote server.

LS2K10 Avg Inc Msg Proc Time Access Edge Server

The LS2K10 Avg Inc Msg Proc Time Access Edge Server report needs to depict the average incoming message processing time on the access edge server in graphical (line graph) and tabular format. High values indicate that the access edge server is overloaded and unable to process the requests on time.

LS2K10 Client Request Err UDP AV Edge Server

The LS2K10 Client Request Err UDP AV Edge Server report shows the client request errors/sec, client send request errors/sec and the idle sessions timed-out/sec over UDP on the Audio/Video Edge Server in graphical and tabular format. High values of client request errors/sec and client send

request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you may need to increase the session idle timeout parameter.

LS2K10 Client Request Err TCP AV Edge Server

The LS2K10 Client Request Err TCP AV Edge Server report shows the client requests errors/sec, client send request errors/sec and the idle sessions timed-out/sec over TCP on the Audio/Video Edge Server in graphical and tabular format. High values of client request errors/sec and client send request errors/sec can indicate network latency issues. If a large number of sessions time out per second, then you may need to increase the session idle timeout parameter.

Related Topics

- Microsoft Enterprise Servers SPI Microsoft Office Communications Server 2010 Graphs

- Microsoft Enterprise Servers SPI Microsoft Office CommunicationsServer 2010 Policies

CODA Table Details for Microsoft Lync Server 2010

The Microsoft Enterprise SPI creates the following CODA tables for Microsoft Lync Server 2010 metrics in the data store on the node to facilitate the data-collection procedure.

CODA Details of Measurement Threshold Policies

Table and Policy	Metrics/Performance Counter	Data Store Column and Description	Metric Data Type CODA/PA
CS_ ACCESSEDGE LS_ AccessEdge_ DataLogging	SIP - 021 - Average Incoming Message Processing Time	AVINCMSGPROCTIME-Average processing time for incoming messages on a Lync Edge Server	REAL64 / PRECISION 2

CS_AVEDGE LS_AVEdge_ DataLogging	A/V Edge - 008 - Authentication Failures/sec	UDPAUTHFAILURES - The per-second rate of failed attempts to authenticate with the relay over UDP	REAL64 / PRECISION 2
	A/V Edge - 014 - Client Request Errors/sec (4xx Responses/sec)	UDPCLIENTREQERR - The per-second rate of client request errors over UDP	REAL64 / PRECISION 2
	A/V Edge - 016 - Client Send Request Errors/sec	UDPCLIENTSENDERR-The per-second rate of client send request errors over UDP	REAL64 / PRECISION 2
	A/V Edge - 019 - Session Idle Timeouts/sec	UDPSESSIONTIMEOUTS-The per-second rate of idle sessions that have timed out over UDP.	REAL64 / PRECISION 2
	A/V Edge - 008 - Authentication Failures/sec	TCPAUTHFAILURES - The per-second rate of failed attempts to authenticate with the relay over TCP.	REAL64 / PRECISION 2
	A/V Edge - 015 - Client Request Errors/sec (4xx Responses/sec)	TCPCLIENTREQERR-The per-second rate of client request errors over TCP.	REAL64 / PRECISION 2
	A/V Edge - 017 - Client Send Request Errors/sec	TCPCLIENTSENDERR-The per-second rate of client send request errors over TCP	REAL64 / PRECISION 2

CS_ FRONTEND LS_FrontEnd_ DataLogging	Usrv - 002 - Queue Latency (msec)	QUEUELATENCY-The average time (in milliseconds) a request is held in the database queue.	REAL64 / PRECISION 2
	Usrv - 004 - Sproc Latency (msec)	SPROCLATENCY-The average time (in milliseconds) it takes to execute a sproc call.	REAL64 / PRECISION 2
	SIP - 000 - Average Holding Time For Incoming Messages	HOLDINGTIMEFORINCMSG-The average time that the server held the incoming messages currently being processed.	REAL64 / PRECISION 2
	SIP - 055 - Local 503 Responses/sec	LOCAL503RESPONSES-The per-second rate of 503 responses generated by the server.	REAL64 / PRECISION 2
	SIP - 057 - Local 504 Responses/sec	LOCAL504RESPONSES -The per-second rate of 504 responses generated by the server.	REAL64 / PRECISION 2
	SIP - 017 - Sends Outstanding	SENDSOUTSTANDING-The number of messages that are currently present in the outgoing (send) queues.	REAL64 / PRECISION 2

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CS_PROCESS	Name of the Process - Working Set	Instance Name - WORKINGSET - Working Set is the current size, in bytes, of the Working Set of this process.	REAL64 / PRECISION 2
	Name of the Process - Page Faults/sec	Instance Name - PAGEFAULTS - The rate at which page faults by the threads executing in this process are occurring.	REAL64 / PRECISION 2
	Name of the Process - Private Bytes	Instance Name - PRIVATEBYTES - Private Bytes is the current size, in bytes, of memory that this process has allocated that cannot be shared with other processes.	REAL64 / PRECISION 2
	Name of the Process - Thread Count	Instance Name - THREADCOUNT - The number of threads currently active in this process.	REAL64 / PRECISION 2
	Name of the Process - % Processor Time	Instance Name - PCTPROCESSORTIME - % Processor Time is the percentage of elapsed time that all of process threads used the processor to execution instructions	REAL64 / PRECISION 2
	Name of the Process - % Processor Time (_ Total)	Instance Name - SYSPCTPROCESSORTIME - % Processor Time utilized by all processes in memory at the given time	REAL64 / PRECISION 2

Related Topics:

- Microsoft Enterprise Servers SPI Lync Server 2010 Reports
- Microsoft Enterprise Servers SPI Lync Server 2010 Graphs

Data Store Details for Graphs

The Microsoft Enterprise SPI creates the following data store details for graphs for Microsoft Lync Server 2010.

Data Store for Graphs

Graph Name	Policy Logging Data	Spec File	Data Store/ Data Class
Front End Service CPU Statistics	LS_FrontEnd_ Logging	CS_PROCESS.spec	CS_PROCESS

Web Conferencing Service CPU Statistics	LS_WebConf_ Logging	CS_PROCESS.spec	CS_PROCESS
IM Conferencing Service CPU Statistics	LS_IMConf_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Conferencing Service CPU Statistics	LS_AVConf_ Logging	CS_PROCESS.spec	CS_PROCESS
Access Edge Service CPU Statistics	LS_ AccessEdge_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Edge Service CPU Statistics	LS_AVEdge_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Authentication Service CPU Statistics	LS_AVAuth_ Logging	CS_PROCESS.spec	CS_PROCESS
Web Conferencing Edge Service CPU Statistics	LS_WebEdge_ Logging	CS_PROCESS.spec	CS_PROCESS
Archiving and CDR Service CPU Statistics	LS_Archiving_ Logging	CS_PROCESS.spec	CS_PROCESS
Mediation Service CPU Statistics	LS_Mediation_ Logging	CS_PROCESS.spec	CS_PROCESS
Front End Service Memory Statistics	LS_FrontEnd_ Logging	CS_PROCESS.spec	CS_PROCESS
Web Conferencing Service Memory Statistics	LS_WebConf_ Logging	CS_PROCESS.spec	CS_PROCESS
IM Conferencing Service Memory Statistics	LS_IMConf_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Conferencing Service Memory Statistics	LS_AVConf_ Logging	CS_PROCESS.spec	CS_PROCESS
Access Edge Service Memory Statistics	LS_ AccessEdge_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Edge Service Memory Statistics	LS_AVEdge_ Logging	CS_PROCESS.spec	CS_PROCESS
Audio/Video Authentication Service Memory Statistics	LS_AVAuth_ Logging	CS_PROCESS.spec	CS_PROCESS
Web Conferencing Edge Service Memory Statistics	LS_WebEdge_ Logging	CS_PROCESS.spec	CS_PROCESS

Archiving and CDR Service Memory Statistics	LS_Archiving_ Logging	CS_PROCESS.spec	CS_PROCESS
Mediation Service Memory Statistics	LS_Mediation_ Logging	CS_PROCESS.spec	CS_PROCESS
SQL Back End Latency Experienced by Front End Server	LS_FrontEnd_ DataLogging	CS_ FRONTEND.spec	CS_ FRONTEND
Average Holding Time for Incoming Messages on Front End Server	LS_FrontEnd_ DataLogging	CS_ FRONTEND.spec	CS_ FRONTEND
Front End Server Availability and Connectivity	LS_FrontEnd_ DataLogging	CS_ FRONTEND.spec	CS_ FRONTEND
Sends Outstanding on Front End Server	LS_FrontEnd_ DataLogging	CS_ FRONTEND.spec	CS_ FRONTEND
Average Incoming Message Processing Time on Access Edge Server	LS_ AccessEdge_ DataLogging	CS_ ACCESSEDGE.spec	CS_ ACCESSEDGE
Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server	LS_AVEdge_ DataLogging	CS_AVEDGE.spec	CS_AVEDGE
Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server	LS_AVEdge_ DataLogging	CS_AVEDGE.spec	CS_AVEDGE
Authentication failures/sec on Audio/Video Edge Server	LS_AVEdge_ DataLogging	CS_AVEDGE.spec	CS_AVEDGE

Related Topics:

- Microsoft Enterprise Servers SPI Lync Server 2010 Reports

- Microsoft Enterprise Servers SPI Lync Server 2010 Graphs

Report, Report Table, Data Store, and Policy Mapping Details

The Microsoft Enterprise SPI creates the following data tables in the data store on the node to facilitate the data-collection procedure. The data store class creator can be created by using the tool Create Data Sources.

Data Store

Report Name	Report Table	Data Store Class Name	Policy Logging Data

LS2K10 Front End Service CPU Stat	CS_PROCESS	CS_PROCESS	LS_FrontEnd_ Logging
LS2K10 IM Conferencing Service CPU Stat	CS_PROCESS	CS_PROCESS	LS_IMConf_ Logging
LS2K10 Access Edge Service CPU Stat	CS_PROCESS	CS_PROCESS	LS_AccessEdge_ Logging
LS2K10 Front End Service Memory Stat	CS_PROCESS	CS_PROCESS	LS_FrontEnd_ Logging
LS2K10 IM Conferencing Service Memory Stat	CS_PROCESS	CS_PROCESS	LS_IMConf_ Logging
LS2K10 Access Edge Service Memory Stat	CS_PROCESS	CS_PROCESS	LS_AccessEdge_ Logging
LS2K10 SQL Back End Lat Exp by Front End Server	CS_ FRONTEND	CS_ FRONTEND	LS_FrontEnd_ DataLogging
LS2K10 Avg Hold Time for In Msg Front End Server	CS_ FRONTEND	CS_ FRONTEND	LS_FrontEnd_ DataLogging
LS2K10 Front End Server Avail and Conn	CS_ FRONTEND	CS_ FRONTEND	LS_FrontEnd_ DataLogging
LS2K10 Sends Outstanding on Front End Server	CS_ FRONTEND	CS_ FRONTEND	LS_FrontEnd_ DataLogging
LS2K10 Avg Inc Msg Proc Time Access Edge Server	CS_ ACCESSEDGE	CS_ ACCESSEDGE	LS_AccessEdge_ DataLogging
LS2K10 Client Request Err UDP AV Edge Server	CS_AVEDGE	CS_AVEDGE	LS_AVEdge_ DataLogging
LS2K10 Client Request Err TCP AV Edge Server	CS_AVEDGE	CS_AVEDGE	LS_AVEdge_ DataLogging

Related Topics:

- Microsoft Enterprise Servers SPI Lync Server 2010 Reports

- Microsoft Enterprise Servers SPI Lync Server 2010 Graphs

Chapter 10

Microsoft Enterprise Servers SPI - Microsoft Lync Server 2013

The Microsoft Lync Server 2013 integrates various forms of communication tools and provides a single platform that enables users to connect and access these tools, irrespective of their physical location. Microsoft Lync Server 2013 uses a secure channel for user access that simplifies communication management and deployment. In addition, Lync 2013 supports data sharing, audio/video conferencing, instant messaging, telephony by integrating with Microsoft architecture such as Office, Exchange and SharePoint.

Policies

The Microsoft Enterprise Servers SPI for Microsoft Lync Server 2013 has the following policy groups:

- Configuration
- Director Server
- Discovery
- Edge Server
- Event Monitoring
- Front End Server
- Mediation Server
- Persistent Chat

Configuration

Configuration policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_ Server → Microsoft_Lync_Server_2013 → Configuration

Policy	Description
LYNC_ CollectionSchedule	This is a configuration file policy which contains the schedule for all defined collections.
LYNC_ MetricDefinition	This is a configuration file policy which contains the details of the metrics collected for a collection. This policy also contains alarm information of defined metrics.

Director Server

Director Server consists of the following sub groups:

- Availability

- Performance

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2013 → Director Server

Availability

Policy	Description	Schedule	Service
LYNC_ DirectorREPLICAServState	This policy alerts the state of the Lync server replica replicator service	VERY_ HIGH	REPLICA

Performance

Performance policy group consists of the following sub groups:

- Server

- Web

Server

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ DirPercentageFreeSpace	This policy alerts the percentage of total space that can be used on the free logical disk drive.	HIGH	Object: LogicalDisk (*) Counter: % Free Space	Critical: 20 Warning: 10

Web

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ DirectorAvgProcessingTimeForSearchRequests	This policy alerts the average processing time in milliseconds for an address book search request.	HIGH	Object: LS:WEB - Address Book Web Query(*) Counter: WEB - Average processing time for a search request in milliseconds	Critical: 1000 Warning: 500
LYNC_DirectorFailedRequestsperSecond	This policy alerts the per second rate of failed address book file requests.	HIGH	Object: LS:WEB - Address Book File Download(*) Counter: WEB - Failed File Requests/Second	Critical: 6 Warning: 3
LYNC_DirectorFailedSearchRequests	This policy alerts the per second rate of failed address book search requests.	HIGH	Object: LS:WEB - Address Book Web Query(*) Counter: WEB - Failed search requests/sec	Critical: 20 Warning: 4

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ DirectorNoDCConnFailureWithServers	This policy alerts the number of Data Collaboration connection failures with Data Collaboration servers.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of Data Collaboration connection failures with Data Collaboration servers	Critical: 10 Warning: 5
LYNC_ DirectorNoFailedDCAuthRequestsPerSecond	This policy alerts the number of failed Data Collaboration authentication request per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of failed Data Collaboration authentication request per second	Critical: 20 Warning: 10

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ Dir-NofDCClient-ConnClosedDuetoThrottlingPerSecond	This policy alerts the number of Data Collaboration client connections closed due to throttling per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of Data Collaboration client connections closed due to throttling per second	Critical: 50 Warning: 25
LYNC_ Director-NoQueuedBytesForDCServerConnections	This policy alerts the total number of queued bytes for Data Collaboration Server Connections.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Total number of queued bytes for Data Collaboration Server Connections	Critical: 1073741824 Warning: 536870912

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ DirectorSIPConnectionFailuresPerSecond	This policy alerts the number of SIP connection failures per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Sip Connection Failures per second	Critical: 50 Warning: 25
LYNC_DirectorSoapExceptionPerSecond	This policy alerts the per second rate of Soap Exceptions.	HIGH	Object: LS:WEB - Distribution List Expansion(*) Counter: WEB - Soap exceptions/sec	Critical: 6 Warning: 3
LYNC_DirectorSuccessRequestProcTime	This policy alerts the average processing time for a successful request to be completed.	HIGH	Object: LS:WEB - Distribution List Expansion(*) Counter: WEB - Successful Request Processing Time	Critical: 5000 Warning:3000

Discovery

Discovery policy group consists of the following policies.

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2013 → Discovery

Policy	Description
Microsoft_Lync_Server_Discovery	This policy discovers the Microsoft Lync Servers.

Edge Server

Edge Server consists of the following sub groups:

- Availability

- Performance

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2013** → **Edge Server**

Availability

Policy	Description	Schedule	Service
LYNC_EdgeREPLICAServState	This policy checks the status of the Lync Server Replica Replicator Agent Service.	VERY_ HIGH	REPLICA
LYNC_ EdgeRTCDATAPROXYServState	This policy checks the status of the Lync Server Web Conferencing Edge Service.	VERY_ HIGH	RTCDATAPROXY
LYNC_ EdgeRTCMEDIARELAYServState	This policy checks the status of the Lync Server Audio-Video Edge Service.	VERY_ HIGH	RTCMEDIARELAY
LYNC_ EdgeRTCMRAUTHServNState	This policy checks the status of the Audio-Video Authentication Service.	VERY_ HIGH	RTCMRAUTH
LYNC_EdgeRTCSRVServState	This policy checks the status of the Lync Server Front-End Service.	VERY_ HIGH	RTCSRV

Policy	Description	Schedule	Service
LYNC_ EdgeRTCXMPPTGWPXServState	This policy checks the status of the Lync Server XMPP Translating Gateway Proxy Service.	VERY_ HIGH	RTCXMPPTGWPX

Performance

Performance consists of the following sub groups:

- Access Edge

- Audio Video

- Data Proxy

- Server

- SIP

- Web

Access Edge

Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_ Edge-SIP-MessageDroppedDueToUnknownDomain	This policy alerts the per second rate of messages that cannot be routed because of the message domain that is not con-figured.	HIGH	Object: LS:SIP - Access Edge Server Messages(*) Counter: SIP - Mes-sages/sec Dropped Due To Unknown Domain	Crit-ical:10 Warning: 5

Audio Video

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ AVEdgeActiveSessionsExcceedingAvgBWLimit	This policy alerts Active Sessions Exceeding Average Bandwidth Limit over TCP.	HIGH	Object: LS:A/V Edge - TCP Counters(_ Total) Counter: A/V Edge - Active Sessions Exceeding Avg Bandwidth Limit	Critical: 20 Warning: 10
LYNC_ AVEdgeActiveSessionsExcceedingPeakBWLimit	This policy alerts Active Sessions Exceeding Peak Bandwidth Limit over TCP.	HIGH	Object: LS:A/V Edge - TCP Counters(_ Total) Counter: A/V Edge - Active Sessions Exceeding Peak Bandwidth Limit	Critical: 20 Warning: 10
LYNC_ AVEdgeAllocateRequestExceedingPortLimit	This policy alerts Allocate Requests Exceeding Port Limit/sec over TCP.	HIGH	Object: LS:A/V Edge - TCP Counters(_ Total) Counter: A/V Edge - Allocate Requests Exceeding Port Limit/sec	Critical: 20 Warning: 10

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_AVEdgeAuthFailurePerSec	This policy alerts Authentication Failures/sec over TCP.	HIGH	Object: LS:A/V Edge - TCP Counters(_Total) Counter: A/V Edge - Authentication Failures/sec	Critical: 20 Warning: 10
LYNC_AVEdgePacketsDroppedPerSec	This policy alerts Packets Dropped/sec over TCP.	HIGH	Object: LS:A/V Edge - TCP Counters(_Total) Counter: A/V Edge - Packets Dropped/sec	Critical: 400 Warning: 300
LYNC_AVEdgeUDPActiveSessionsExcceedingAvgBWLimit	This policy alerts Active Sessions Exceeding Average Bandwidth Limit over TCP.	HIGH	Object: LS:A/V Edge - UDP Counters(*) Counter: A/V Edge - Active Sessions Exceeding Avg Bandwidth Limit	Critical: 20 Warning: 10

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_AVEdgeUDPActSessionsExcceedingPeakBWLmt	This policy alerts Active Sessions Exceeding Peak Bandwidth Limit over TCP.	HIGH	Object: LS:A/V Edge - UDP Counters(*) Counter: A/V Edge - Active Sessions Exceeding Peak Bandwidth Limit	Critical: 20 Warning: 10
LYNC_AVEdgeUDPAllocateRequestExceedingPortLimit	This policy alerts Allocate Requests Exceeding Port Limit/sec over TCP.	HIGH	Object: LS:A/V Edge - UDP Counters(*) Counter: A/V Edge - Allocate Requests Exceeding Port Limit/sec	Critical: 20 Warning: 10
LYNC_AVEdgeUDPAuthFailurePerSec	This policy alerts Authentication Failures/sec over TCP.	HIGH	Object: LS:A/V Edge - UDP Counters(*) Counter: A/V Edge - Authentication Failures/sec	Critical: 20 Warning: 10

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_AVEdgeUDPPacketsDroppedPerSec	This policy alerts Packets Dropped/sec over TCP.	HIGH	Object: LS:A/V Edge - UDP Counters(*) Counter: A/V Edge - Packets Dropped/sec	Critical: 400 Warning: 300
LYNC_EdgeBadRequestsReceived	This policy alerts Bad Requests Received per second.	HIGH	Object: LS:A/V Auth - Requests(*) Counter: - Bad Requests Received/sec	Critical: 30 Warning: 20

Data Proxy

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ EdgeDataProxyServerConnActive	This policy alerts Current number of active connections to Web Conferencing Server.	HIGH	Object: LS:DATAPROXY - Server Connections(*) Counter: DATAPROXY - Server Connections Currently Active	Critical: 5 Warning: 2

Server

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ Edge-PercentageFreeSpace	This policy alerts the percentage of total usable space on the selected logical disk drive that is free.	HIGH	Object: LogicalDisk(*) Counter: % Free Space	Critical: 20 Warning: 10

SIP

Policy	Description	Schedule	Service	Default Threshold
LYNC_ Edge-ConnectionSRefusedDueToServerOverload	This policy alerts the total number of the connections that were refused with service unavailable response because the server was overloaded.	HIGH	Object: LS:SIP - Networking (*) Counter: SIP - Connections Refused Due To Server Overload	Critical: 3 Warning: 1

Policy	Description	Schedule	Service	Default Threshold
LYNC_ EdgeSIPIncomingMessagesTimedOut	This policy alerts the number of incoming messages currently being held by the server for processing for more than the maximum tracking interval.	HIGH	Object: LS:SIP - Load Management(*) Counter: SIP - Incoming Messages Timed out	Critical: 250 Warning: 200
LYNC_ Edge-SIPLoadMgmtAvgHoldTimeForInMsgLogging	This policy alerts the average time that the server held the incoming messages currently being processed.	HIGH	Object: LS:SIP - Load Management(*) Counter: SIP - Average Holding Time For Incoming Messages	Critical: 9 Warning: 3
LYNC_ EdgeSIPPeersSendsOutstandingLogging	This policy alerts the average time in seconds the messages delayed in outgoing queues.	HIGH	Object: LS:SIP - Peers(*) Counter: SIP - Average Outgoing Queue Delay	Critical: 20 Warning: 8

Policy	Description	Schedule	Service	Default Threshold
LYNC_ SIPAvgIncomingMessageProcessingTimeLogging	This policy alerts the average time in seconds it takes to process an incoming message.	HIGH	Object: LS:SIP - Protocol(*) Counter: SIP - Average Incoming Message Processing Time	Critical: 9 Warning: 3

Web

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ EdgeAvgProcessingTimeForSearchRequests	This policy alerts the average processing time for a address book search request in milliseconds.	HIGH	Object: LS:WEB - Address Book Web Query(*) Counter: WEB - Average processing time for a search request in milliseconds	Critical: 1000 Warning: 500

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_EdgeFailedRequestsperSecond	This policy alerts the per second rate of failed address book file requests.	HIGH	Object: LS:WEB - Address Book File Download(*) Counter: WEB - Failed File Requests/Second	Critical: 6 Warning: 3
LYNC_EdgeFailedSearchRequests	This policy alerts the per second rate of failed address book search requests.	HIGH	Object: LS:WEB - Address Book Web Query(*) Counter: WEB - Failed search requests/sec	Critical: 20 Warning: 4
LYNC_ EdgeNoDCConnFailureWithServers	This policy alerts the number of Data Collaboration connection failures with Data Collaboration servers.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of Data Collaboration connection failures with Data Collaboration servers	Critical: 10 Warning: 5

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Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ Edge-NoFailedDCAuthRequestsPerSecond	This policy alerts the number of failed Data Collaboration authentication request per second.	HIGH	Object:LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of failed Data Collaboration authentication request per second	Critical: 20 Warning: 10
LYNC_ Edge-NofDCClient-ConnClosedDuetoThrottlingPerSec	This policy alerts the number of Data Collaboration client connections closed due to throttling per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter:WEBRELAY - Number of Data Collaboration client connections closed due to throttling per second	Critical: 50 Warning: 25

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ Edge-NoQueu-edBytesForDCServerConnections	This policy alerts the total number of queued bytes for Data Collaboration Server Connections.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Total number of queued bytes for Data Collaboration Server Connections	Critical: 10737418-24 Warning: 53687091-2
LYNC_ Edge-SIPConnectionFailuresPerSecond	This policy alerts the number of SIP connection failures per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Sip Connection Failures per second	Critical: 50 Warning: 25
LYNC_EdgeSoapExceptionPerSecond	This policy alerts the per second rate of Soap exceptions.	HIGH	Object: LS:WEB - Distribution List Expansion(*) Counter: WEB - Soap exceptions/sec	Critical: 6 Warning: 3

Policy	Descri-ption	Sch-edul-e	Perfmon	Default Threshold
LYNC_ EdgeSuccessRequestProcTime	This policy alerts the aver-age proc-essing time for a suc-cessful reques-t to be com-pleted.	HIG-H	Object: LS:WEB - Distribution List Expansion(*) Counter: WEB - Successful Request Processing Time	Critical: 5000 Warning: 3000

Event Monitoring

Event Monitoring policy group consists of the following sub-group:

- Errors

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2013 → Event Monitoring

Errors

Policy	Description
LYNCSPI_ LyncServerEvents	This policy forwards all application errors for various event sources of Lync server to HPOM.

Front End Server

Front End Server consists of the following sub groups:

- Availability
- Performance

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2013 → Front End Server

Availability

Policy	Description	Sched-ule	Service
LYNC_FEFTAServState	This policy checks the status of the Lync Server File Transfer Agent Service.	VER-Y_HIGH	FTA
LYNC_FELYNCBACKUPServState	This policy checks the status of the Lync Backup Service.	VER-Y_HIGH	LYNC-BACKUP
LYNC_FEMASTERServState	This policy checks the status of the Lync Server Master Replicator Agent Service.	VER-Y_HIGH	MASTER
LYNC_FEPnchServiceServState	This policy checks the status of the Lync Online Push Notification Service.	VER-Y_HIGH	PnchService
LYNC_FEREPLICAServState	This policy checks the status of the Lync Server Replica Replicator Agent Service.	VER-Y_HIGH	REPLICA
LYNC_FERTCACPMCUServState	This policy checks the status of the Lync Online Telephony Conferencing Service.	VER-Y_HIGH	RTCACPMC-U
LYNC_FERTCASMCUServState	This policy checks the status of the Lync Server Application Sharing Service.	VER-Y_HIGH	RTCASMCU
LYNC_FERTCAVMCUServState	This policy checks the status of the Lync Server Audio-Video Conferencing Service.	VER-Y_HIGH	RTCAVMCU
LYNC_FERtcBIDataCollectorServState	This policy checks the status of the RtcBIDataCollector Service.	VER-Y_HIGH	RtcBI-DataCollector
LYNC_FERTCCAAServState	This policy checks the status of the Conference Attendant Service.	VER-Y_HIGH	RTCCAA
LYNC_FERTCCASServState	This policy checks the status of the Conference Announcement Service.	VER-Y_HIGH	RTCCAS

Policy	Description	Sched-ule	Service
LYNC_FERTCCLSAGTServState	This policy checks the status of the Lync Server Centralized Logging Service Agent Service.	VER-Y_HIGH	RTCCLSAG-T
LYNC_FERTCCPSServState	This policy checks the status of the Lync Server Call Park Service.	VER-Y_HIGH	RTCCPS
LYNC_FERTCDATAMCUServState	This policy checks the status of the Lync Server Web Conferencing Service.	VER-Y_HIGH	RTCDA-TAMCU
LYNC_FERTCIMMCUServState	This policy checks the status of the Lync Server IM Conferencing Service.	VER-Y_HIGH	RTCIMMCU
LYNC_FERTCLISVCServState	This policy checks the status of the Lync Online Legal Intercept Service.	VER-Y_HIGH	RTCLISVC
LYNC_FERTCLRSVCServState	This policy checks the status of the Lync Online Log Retention Service.	VER-Y_HIGH	RTCLRSVC
LYNC_FERTCPDPAUTHServState	This policy checks the status of the Lync Server Bandwidth Policy Service (Authentication) Service.	VER-Y_HIGH	RTCPDPAU-TH
LYNC_FERTCPDPCOREServState	This policy checks the status of the Lync Server Bandwidth Policy Service (Core).	VER-Y_HIGH	RTCPDPCO-RE
LYNC_FERtcProvServState	This policy checks the status of the Lync Online Provisioning Service.	VER-Y_HIGH	RtcProv
LYNC_FERTCRGSServState	This policy checks the status of the Lync Server Response Group Service.	VER-Y_HIGH	RTCRGS
LYNC_FERTCXMPPTGWServState	This policy checks the status of the Lync Server XMPP Translating Gateway Service.	VER-Y_HIGH	RTCXMPPT-GW
LYNC_FEw3svcServState	This policy checks the status of the World Wide Web Publishing Service.	VER-Y_HIGH	w3svc

Policy	Description	Sched-ule	Service
LYNC_FrontEndRTCSRVServState	This policy checks the status of the Lync Server Front-End Service.	VER-Y_HIGH	RTCSRV

Performance

Performance consists of the following sub groups:

- Call Park Service
- Conferencing
- Hosted Migration Service
- Legal Intercept
- Log Retention
- Media
- Server
- Storage
- User Service
- WEB

Call Park Service

Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_ TotalfailedFallbackAttempts	This policy alerts the total number of failed fallback attempt-s.	HIGH	Object: LS:CPS - Call Park Service Planning(*) Counter: CPS - Total failed fallback attempts	Critical: 10 Warning: 5

Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_ Total-park-RequestFailedUnavailableOrbit	This policy alerts the total number of park requests failed because no orbit avail-able.	HIGH	Object: LS:CPS - Call Park Service Planning(*) Counter: CPS - Total park requests failed because unavailable orbit	Critical: 10 Warning: 5
LYNC_ TotalParkRequestsFailed	This policy alerts the total number of park requests that failed.	HIGH	Object: LS:CPS - Call Park Service Planning(*) Counter: CPS - Total park requests that failed	Critical: 10 Warning: 5

Conferencing

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ TotApplEndPointCreationFailure	This policy alerts Platform Endpoint Creation.	HIGH	Object: LS:CAA - Planning(*) Counter: CAA - Total Application Endpoint creation failures	Critical: 10 Warning: 5

Hosted Migration Service

Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_ADReadWriteFailures	This policy alerts Hosted User Migration Service AD Sync failures.	HIGH	Object: LS:Hos-tedMigrationService - HostedUserMigration(*) Counter: HostedMigration - AD read-write failures	Critical: 10 Warning: 2
LYNC_COMMethodFailures	This policy alerts Hosted User Migration Service front-end DCOM connection failures.	HIGH	Object: LS:Hos-tedMigrationService - HostedUserMigration(*) Counter: HostedMigration - COM method failures	Critical: 10 Warning: 2
LYNC_ Host-edMigrationUnexpectedFailures	This policy alerts Hosted User Migration Service un-handled exception failures.	HIGH	Object: LS:Hos-tedMigrationService - HostedUserMigration(*) Counter: HostedMigration - Unexpected failures	Critical: 2 Warning: 1

Legal Intercept

Policy	Description	Sched-ule	Perfmon	Default Thresh-old
LYNC_ Con-ferenceMessageQueryLatency	This policy alerts Get Con-ferencing Messages' Latency.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Conference Message Query latency (ms)	Critical: 30000 Warning: 10000

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_GetNextPageLatency	This policy alerts Get-NextPage Latency.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: GetNextPage latency (ms)	Critical: 30000 Warning: 10000
LYNC_ Legal-InterceptUnexpectedExceptions	This policy alerts Unexpected failures.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Unexpected Exceptions	Critical: 2 Warning: 1
LYNC_MaxRetryCount	This policy alerts Reached Max Retry Count.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Max Retry Count	Critical: 2 Warning: 1
LYNC_ P2PMessageQueryLatency	This policy alerts Get P2P Messages Latency.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: P2P Message Query latency (ms)	Critical: 30000 Warning: 10000
LYNC_ ProcessingFailedSessions	This policy alerts Archived Session Processing Failures.	HIGH	Object: LS:D-ATACOLLECTION - Legal Intercept Adaptor(*) Counter: UDC - Processing Failed Sessions	Critical: 2 Warning: 1
LYNC_PurgingFailedSessions	This policy alerts Update Sessions Purgeable Failures.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Purging Failed Sessions	Critical: 2 Warning: 1

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_SendingFailedEmails	This policy alerts Send Email Failures.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Sending Failed Emails	Critical: 2 Warning: 1
LYNC_SenEmailLatency	This policy alerts Send Email Latency.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: send Email latency (ms)	Critical: 30000 Warning: 10000
LYNC_UpdatingRecordsPurgeableLatency	This policy alerts Update Sessions Purgeable Latency.	HIGH	Object: LS:LegalIntercept - LegalIntercept(*) Counter: Updating records Purgeable latency (ms)	Critical: 30000 Warning: 10000

Log Retention

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_AddingTenantAndSyndicatorLatency	This policy alerts Add Tenant and Syndicator Latency.	HIGH	Object: LS:LogRetention - LogRetention (*) Counter: Adding tenant and syndicator latency (ms)	Critical: 30000 Warning: 10000

Policy	Description	Sched-ule	Perfmon	Default Thresh-old
LYNC_ DeletingSyndicatorCacheLatency	This policy alerts Delete Syndicator Cache Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Deleting syndicator cache latency (ms)	Critical: 30000 Warn-ing: 10000
LYNC_FailedGetLogUploadUrlCalls	This policy alerts Get-LogUploadUrls Failures.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Failed Get-LogUploadUrls Calls	Critical: 2 Warn-ing: 1
LYNC_FailedUploadActivityLogCalls	This policy alerts Upload-ActivityLog Failures.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Failed Upload-ActivityLog Calls	Critical: 2 Warn-ing: 1
LYNC_GetLogUploadUrlLatency	This policy alerts Get-LogUploadUrls Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Get-LogUploadUrls latency (ms)	Critical: 30000 Warn-ing: 10000

Policy	Description	Sched-ule	Perfmon	Default Thresh-old
LYNC_ LogRe-ten-tionConferenceMessageQueryLatency	This policy alerts Get Conference Sessions Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Conference Session Query latency (ms)	Critical: 30000 Warn-ing: 10000
LYNC_ LogRetentionGetNextPageLatency	This policy alerts GetNextPage Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: GetNextPage latency (ms)	Critical: 30000 Warn-ing: 10000
LYNC_ LogRetentionUnexpectedException	This policy alerts Unexpected failures.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Unexpected Exceptions	Critical: 2 Warn-ing: 1
LYNC_P2PSessionQueryLatency	This policy alerts Get P2P Sessions Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: P2P Session Query latency (ms)	Critical: 30000 Warn-ing: 10000

Policy	Description	Sched-ule	Perfmon	Default Thresh-old
LYNC_ UpdatingRecordsProcessedLatency	This policy alerts Update Sessions Processed Latency.	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Updating records Processed latency (ms)	Critical: 30000 Warn-ing: 10000
LYNC_UploadActivityLogLatency	This policy alerts Upload-ActivityLog Latency	HIGH	Object: LS:L-ogRetention - LogRetention (*) Counter: Upload-ActivityLog latency (ms)	Critical: 30000 Warn-ing: 10000

Media

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ MEDIADelyedProcessing	This policy alerts Number of occasions conference processing is delayed.	HIGH	Object: LS:MEDIA - Planning(*) Counter: MEDIA - Number of occasions conference processing is delayed significantly	Critical: 30 Warning: 15

Server

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ FEPercentageFreeSpace	This policy alerts Percentage Free Space. Percentage Free Space is the percentage of total usable space on the selected logical disk drive that was free.	HIGH	Object: LogicalDisk (*) Counter: % Free Space	Critical: 20 Warning: 10
LYNC_ SystemPercentProcessorTime	This policy alerts Percentage Processor Time. Percentage Processor Time is the percentage of elapsed time that all of process threads used the processor to execution instructions.	HIGH	Object: Processor (_Total) Counter: % Processor Time	Critical: 70 Warning: 50

Storage Service

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYS-SCur-rentNumberofStorageServiceStaleQueue Items	This policy alerts Current number of Storage Service queue items which are not owned and last attempted a long time ago.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Current number of Storage Service stale queue items	Critical: 25 Warning: 1

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Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_LYS-STotalNoofStorageAdptAsyncTskStopOprFailure	This policy alerts Total number of storage adaptor asynchronous task stop operation failures.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of storage adaptor asynchronous task stop operation failures	Critical: 25 Warning: 1
LYNC_LYSSTotalNumberofDatabaseOprFailures	This policy alerts Total number of times that LYSS database operations failed to execute.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of LYSS database operation failures	Critical: 25 Warning: 1
LYNC_LYSSTotalNumberofDeleteBlobOprFailed	This policy alerts the total number of delete blob operations failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of DELETE blob operations failed	Critical: 25 Warning: 1

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Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_ LYS-STotalNumberOfEWSSubscriptionsFailed	This policy alerts Total number of EWS Sub-scriptions failed.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of EWS Sub-scriptions failed	Critical: 25 Warn-ing: 1
LYNC_ LYS-STotalNumberofExecuteCommandFailure	This policy alerts the total number of execute command requests failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of execute command failure	Critical: 25 Warn-ing: 1
LYNC_ LYSSTotalNumberofFailedGetItemListCalls	This policy alerts the total number of failed GetIm-ItemList calls while processing ucs contact noti-fications.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of failed GetIm-ItemList calls while processing ucs contact noti-fications	Critical: 20 Warn-ing: 5

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYS-STo-talNumberofFailedStoredProcedureTimeouts	This policy alerts Total number of failed stored procedure time outs.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of failed stored procedure time outs	Critical: 10 Warning: 1
LYNC_ LYSSTotalNumberofGetBlobOprFailed	This policy alerts the total number of get blob operations failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of GET blob operations failed	Critical: 25 Warning: 1
LYNC_ LYSSTotalNumberofNotificationFailure	This policy alerts the total number of notification requests failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of notification failure	Critical: 25 Warning: 1

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYSSTotalNumberofPUTBlobOprFailed	This policy alerts the total number of put blob operations failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of PUT blob operations failed	Critical: 25 Warning: 1
LYNC_ LYSSTotalNumberofQueueMessagesFailure	This policy alerts the total number of queue messages requests failed to be executed by Storage Service.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of queue messages failures	Critical: 25 Warning: 1
LYNC_ LYS-STo-talNumberofStorageServiceOAuthFailures	This policy alerts Total number of Storage Service OAuth authentication failures.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of Storage Service OAuth authentication failures	Critical: 25 Warning: 1

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYSSTotalNumberofUnexpectedExceptions	This policy alerts Total number of unexpected exceptions from sources such as storage adaptors, custom commands, and controller.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of unexpected exceptions	Critical: 25 Warning: 1
LYNC_ LYS- STot- NoOfStorageAdptorAsyncTskStopUnhand- Except	This policy alerts Total number of storage adaptor asynchronous task unhandled exceptions.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of storage adaptor asynchronous task unhandled exceptions	Critical: 25 Warning: 1

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYS-STotNumofStgServiceFabricServiceUnhand-Except	This policy alerts Total number of Storage Service Fabric Service unhandled exceptions.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of Storage Service Fabric Service unhandled exceptions	Critical: 25 Warning: 1
LYNC_ LYS-STot-NumofStorageAdaptReportedinUnhealth-State	This policy alerts Total number of storage adaptors reported in unhealthy state.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of storage adaptors reported in unhealthy state	Critical: 10 Warning: 1

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ LYS- STot- NumofStorageServiceEWSAutoDiscovery- Errors	This policy alerts Total number of Storage Service EWS Auto- discovery errors.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of Storage Service EWS Auto- discovery errors	Critical: 25 Warn- ing: 1
LYNC_ LYS- STot- NumofStorageServiceOAuthSTSRequest- Failure	This policy alerts Total number of Storage Service OAuth STS request failures.	HIGH	Object: LS:LYSS - Storage Service API (*) Counter: LYSS - Total number of Storage Service OAuth STS request failures	Critical: 25 Warn- ing: 1

User Service

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ ContactProvisionFailures	This policy alerts Number of provision contact failures.	HIGH	Object: LS:Provision - Provision(*) Counter: Contact provision failures	Critical: 450 Warning: 225

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ ContactProvisionLatency	This policy alerts the latency of provision Contact.	HIGH	Object: LS:Provision - Provision(*) Counter: Contact Provision latency (ms)	Critical: 3000 Warning: 1000
LYNC_ CookiePersistenceFailures	This policy alerts Number of cookie persistence failures.	HIGH	Object: LS:Provision - Provision(*) Counter: Cookie persistence failures	Critical: 10 Warning: 6
LYNC_DCReplicaLatency	This policy alerts the latency of AD replication.	HIGH	Object: LS:Provision - Provision(*) Counter: - DCReplica latency (ms)	Critical: 300000 Warning: 120000
LYNC_FailedPublishCalls	This policy alerts Failed to publish objects status to MSODS.	HIGH	Object: LS:Provision - Provision(*) Counter: Failed publish calls	Critical: 4500 Warning: 2250
LYNC_ GetChangesLatency	This policy alerts the latency of calling GetChanges from MSODS.	HIGH	Object: LS:Provision - Provision(*) Counter: GetChanges latency (ms)	Critical: 60000 Warning: 5000
LYNC_ PICWebServiceLatency	This policy alerts the latency of calling PIC web service.	HIGH	Object: LS:Provision - Provision(*) Counter: PIC web service latency (ms)	Critical: 60000 Warning: 5000

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_PublishLatency	This policy alerts the latency of calling Publishing to MSODS.	HIGH	Object: LS:Provision - Provision(*) Counter: Publish latency (ms)	Critical: 60000 Warning: 5000
LYNC_SaveLatency	This policy alerts the latency of saving objects in AD.	HIGH	Object: LS:Provision - Provision(*) Counter: Save latency (ms)	Critical: 3000 Warning: 1000
LYNC_SyncToADFailures	This policy alerts Number of failure to apply the synced changes to AD.	HIGH	Object: LS:Provision - Provision(*) Counter: Sync to AD failures	Critical: 50 Warning: 30
LYNC_ TenantProvisionFailures	This policy alerts Number of tenant provision failures.	HIGH	Object: LS:Provision - Provision(*) Counter: Tenant provision failures	Critical: 450 Warning: 225
LYNC_ TenantProvisionLatency	This policy alerts the latency of provision Tenant.	HIGH	Object: LS:Provision - Provision(*) Counter: Tenant Provision latency (ms)	Critical: 30000 Warning: 3000
LYNC_ UserProvisionFailures	This policy alerts Number of user provision failures.	HIGH	Object: LS:Provision - Provision(*) Counter: User provision failures	Critical: 4500 Warning: 2250

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_UserProvisionLatency	This policy alerts the latency of provision User.	HIGH	Object: LS:Provision - Provision(*) Counter: User Provision latency (ms)	Critical: 3000 Warning: 1000

WEB

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_FailedCallsToStorageService	This policy alerts Total number of failed calls to Storage Service.	HIGH	Object: LS:StoreWeb - Store Web Handler(*) Counter: STOREWEB - Failed calls to the Storage Service	Critical: 20 Warning: 2
LYNC_FailedFileRequests	This policy alerts the per-second rate of failed Address Book file requests.	HIGH	Object: LS:WEB - Address Book File Download (*) Counter: WEB - Failed File Requests/Second	Critical: 20 Warning: 4
LYNC_FailedHTTPProxyRequests	This policy alerts the number of HTTP proxy requests that failed.	HIGH	Object: LS:WEB - Throttling and Authentication (*) Counter: WEB - Failed HTTP Proxy Requests	Critical: 30 Warning: 10

Policy	Descrip-tion	Sched-ule	Perfmon	Default Thresh-old
LYNC_FailedSearchRequests	This policy alerts the per-second rate of failed address book search requests.	HIGH	Object: LS:WEB - Address Book Web Query(*) Counter: WEB - Failed search requests/sec	Critical: 1000 Warning: 500
LYNC_ FailedToPerformNotificationOperation	This policy alerts Total number of failed notification calls to Storage Service.	HIGH	Object: LS:StoreWeb - Store Web Handler(*) Counter: STOREWEB - Failed to perform Notification operation	Critical: 20 Warning: 2
LYNC_ NumberofDataCollabClinetConnClosed	This policy alerts the number of Data Col-laboration client con-nections closed due to throttling per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of Data Collaboration client connections closed due to throttling per second	Critical: 50 Warning: 25

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_NumberofDataCollabConnFailureswith-DCServers	This policy alerts the number of Data Collaboration connection failures with Data Collaboration servers.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of Data Collaboration connection failures with Data Collaboration servers	Critical: 10 Warning: 5
LYNC_NumberofFailedAddressBookLookupsFailed	This policy alerts Number of address book resolution failures.	HIGH	Object: LS:WebScheduler - Web Scheduler Handler(*) Counter: WEBSCHEDULER - Number of failed Address Book lookups that failed	Critical: 20 Warning: 10
LYNC_NumberofFailedDCAuthRequest	This policy alerts the number of failed Data Collaboration authentication request per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Number of failed Data Collaboration authentication request per second	Critical: 20 Warning: 10

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ NumberofProxyRequestsAwaitingCompletion	This policy alerts Number of proxy requests awaiting completion.	HIGH	Object: LS:WEB - Throttling and Authentication (*) Counter: WEB - Number of proxy requests awaiting completion	Critical: 2499 Warning: 2000
LYNC_ RequestForWhichResponseStatusisNotSuccess	This policy alerts Total number of requests for which response status is not Success.	HIGH	Object: LS:WebScheduler - Web Scheduler Handler(*) Counter: WEB- SCHEDULER - Requests for which Response Status is not Success	Critical: 20 Warning: 10
LYNC_RequestsExceededPerAppLimit	This policy alerts the number of requests that were rejected because per-application queue limit was exceeded.	HIGH	Object: LS:WEB - Throttling and Authentication (*) Counter: WEB - Requests Exceeded Per-App Limit	Critical: 3 Warning: 1

HP Operations Smart Plug-in for Microsoft Enterprise Servers (8.05)

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_RequestsForWhichResponseStatusIsNotSuccess	This policy alerts Total number of requests for which response status is not Success.	HIGH	Object: LS:StoreWeb - Store Web Handler(*) Counter: STOREWEB - Requests for which Response Status is not Success	Critical: 20 Warning: 2
LYNC_SIPConnectionFailures	This policy alerts the number of SIP connection failures per second.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - SIP Connection Failures per second	Critical: 50 Warning: 25
LYNC_TotalNumberofQueuedBytesForDCServerCon	This policy alerts the total number of queued bytes for Data Collaboration Server Connections.	HIGH	Object: LS:WebRelay - Data Collab Web Relay Server(*) Counter: WEBRELAY - Total number of queued bytes for Data Collaboration Server Connections	Critical: 1073741-824 Warning: 5368709-12

HP Operations Smart Plug-in for Microsoft Enterprise Servers (8.05)

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_TotalRequestsInProcessing	This policy alerts the total number of requests currently being processed by application.	HIGH	Object: LS:WEB - Throttling and Authentication (*) Counter: WEB - Total Requests In Processing	Critical: 2499 Warning: 2000
LYNC_UnAuthenticatedRequestInProcessing	This policy alerts the number of requests currently in processing by application that have not yet been authenticated or are processed anonymously.	HIGH	Object: LS:WEB - Throttling and Authentication (*) Counter: WEB - Unauthenticated Requests In Processing	Critical: 2499 Warning: 2000

Mediation Server

Mediation Server consists of the following sub groups:

- Availability
- Performance

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → en → Microsoft_Office_ Communications_Server → Microsoft_Lync_Server_2013 → Mediation Server

Availability

Policy	Description	Schedule	Service
LYNC_ MediationREPLICAServState	This policy alerts the state of the Lync Server replica replicator agent service.	VERY_ HIGH	REPLICA
LYNC_ MediationRTCMEDSRVServState	This policy alerts the state of the Lync server Mediation service.	VERY_ HIGH	RTCMEDSRV

Performance

Performance consists of the Server sub group:

Server

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ MedPercentageFreeSpace	This policy alerts the percentage of total usable space on the selected logical disk drive that was free.	HIGH	Object: LogicalDisk (*) Counter: % Free Space	Critical: 20 Warning: 10

Persistent Chat

Director Server consists of the following sub groups:

- Availability
- Performance

You can view the policies of this group in:

SPI for Microsoft Enterprise Servers → **en** → **Microsoft_Office_ Communications_Server** → **Microsoft_Lync_Server_2013** → **Persistent Chat**

Availability

Policy	Description	Schedule	Service
LYNC_PersistentChatREPLICAServState	This policy checks the status of the Lync Server Replica Replicator Service.	VERY_HIGH	REPLICA
LYNC_PersistentChatRTCCHATCOMPLServState	This policy checks the status of the Lync Server Persistent Chat Compliance Service.	VERY_HIGH	RTCCHATCOMPL
LYNC_PersistentChatRTCCHATServState	This policy checks the status of the Lync Server Persistent Chat Service.	VERY_HIGH	RTCCHAT

Performance

Performance consists of the following sub groups:

- Chat

- Server

Chat

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ChatInboundQueueSize	This policy alerts the current size of the inbound message processing queue.	HIGH	Object: LS:CHAT - Persistent Chat Protocol(*) Counter: CHAT - Inbound Queue Size	Critical: 100 Warning:50
LYNC_ChatLastMessageWaitTime	This policy alerts the wait time in milliseconds for the last XCCOS message processed.	HIGH	Object: LS:CHAT - Persistent Chat Protocol(*) Counter: CHAT - Last Msg Wait Time	Critical: 60000 Warning: 30000
LYNC_ChatMessagesInUCMAQueue	This policy alerts Pending Outbound Messages to Clients.	HIGH	Object: LS:CHAT - Persistent Chat Protocol(*) Counter: CHAT - Messages in UCMA queue	Critical: 10000 Warning: 5000

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ TotalMessagesWaitingtobeSenttoPeers	This policy alerts Total number of messages waiting to be sent to peers.	HIGH	Object: LS:CHAT - Persistent Chat Message processing (*) Counter: CHAT - Total number of messages waiting to be sent to peers	Critical:100 Warning: 50

Server

Policy	Description	Schedule	Perfmon	Default Threshold
LYNC_ PCPercentageFreeSpace	This policy alerts Percentage Free Space. Percentage Free Space is the percentage of total usable space on the selected logical disk drive that was free.	HIGH	Object: LogicalDisk (*) Counter: % Free Space	Critical: 20 Warning: 10

Reports

The Microsoft Enterprise Servers SPI for Microsoft Lync Server 2013 has the following reports:

Lync Access Edge Service CPU Stat

This report shows the CPU statistics of the front end service compared with overall CPU statistics of the system.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ Process_RTCSrv collection.

Schedule Task Policy: LYNC_SCH_EDGE_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:THREADCOUNT
- CS_PROCESS:INSTANCENAME
- LSPROCESSOR:SYSPCTPROCESSORTIME

Reporter table: CS_PROCESS LSPROCESSOR

Report Template File Name: g_Access Edge Service CPU Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Access Edge Service Memory Stat

This monthly report shows summary memory statistics of the access edge service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes (in MB) and working set (in MB) used by the access edge service.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ Process_RTCSrv collection.

Schedule Task Policy: LYNC_SCH_EDGE_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:THREADCOUNT
- CS_PROCESS:INSTANCENAME
- CS_PROCESS:WORKINGSET
- CS_PROCESS:PRIVATEBYTES

Reporter table: CS_PROCESS

Report Template File Name: g_Access Edge Service Memory Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Avg Hold Time for In Msg Front End Server

This monthly report shows the average holding time for incoming messages on the front end server in graphical (line graph) and tabular format. A high value indicates that the front end server is overloaded and unable to process the requests on time.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- LYNC_Collect_FrontEnd_LoadMgmtLogging
- LYNC_Collect_Edge_SIP_Load_Management

Schedule Task Policy: LYNC_SCH_EDGE_HIGH

Metrics: This report uses the following metric, which is logged into the Reporter database:

- CS_FELOADMGMT:HOLDINGTIMEFORINCMSG

Reporter table: CS_FELOADMGMT

Report Template File Name: g_Avg Hold Time for Incoming Msgs on Front End Server.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Avg Inc Msg Proc Time Access Edge Server

This monthly report depicts the average incoming message processing time on the access edge server in graphical (line graph) and tabular format. High values indicate that the access edge server is overloaded and unable to process the requests on time.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_AccessEdge_ EdgeLogging collection.

Schedule Task Policy: LYNC_SCH_EDGE_HIGH

Metrics: This report uses the following metric, which is logged into the Reporter database:

- CS_ACCESSEDGE:AVINCMSGPROCTIME

Reporter table: CS_ACCESSEDGE

Report Template File Name: g_Avg Incoming Msg Processing Time on Access Edge Server.rpt

Summarization: Not summarized

Retention Period: 180 Days.

Lync Front End Server Avail and Conn

This monthly report shows the Local 503 Responses/sec and the Local 504 Responses/sec on the front end server in graphical (line graph) and tabular format. The 503 code indicates that the server is unavailable while the 504 code indicates that there are connectivity problems with other servers.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_SIP_ Response_Logging collection.

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_FESIPRESPONSE:LOCAL503RESPONSES

- CS_FESIPRESPONSE: LOCAL504RESPONSES

Reporter table: CS_FESIPRESPONSE

Report Template File Name: g_Front End Server Availability and Connectivity.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Front End Service CPU Stat

This monthly report displays CPU statistics of the front end service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the front end service compared with the percentage of time the system's CPU was busy.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- LYNC_Collect_FrontEnd_Process_RTCSrv

- LYNC_Collect_FrontEnd_Processor

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:THREADCOUNT

- CS_PROCESS:INSTANCENAME

- LSPROCESSOR:SYSPCTPROCESSORTIME

Reporter table: CS_PROCESS, LSPROCESSOR

Report Template File Name: g_Front End Service CPU Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Front End Service Memory Stat

This monthly report displays summary memory statistics of the front end service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes (in MB) and working set (in MB) used by the front end service.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ Process_RTCSrv collection.

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:THREADCOUNT

- CS_PROCESS:INSTANCENAME

- CS_PROCESS:WORKINGSET

- CS_PROCESS:PRIVATEBYTES

Reporter table: CS_PROCESS

Report Template File Name: g_Front End Service Memory Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync IM Conferencing Service CPU Stat

This monthly report shows CPU statistics of the IM conferencing service compared with overall CPU statistics of the system, in graphical and tabular format. The summarized process statistics include the percentage of CPU time used by the IM conferencing compared with the percentage of time the system's CPU was busy.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- LYNC_Collect_FrontEnd_Process_IMMCUSvc

- LYNC_Collect_FrontEnd_Processor

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:PCTPROCESSORTIME

- CS_PROCESS:INSTANCENAME

- LSPROCESSOR:SYSPCTPROCESSORTIME

Reporter table: CS_PROCESS, LSPROCESSOR

Report Template File Name: g_IM Conferencing Service CPU Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync IM Conferencing Service Memory Stat

This monthly report displays summary memory statistics of the IM conferencing service in graphical and tabular format. The summarized process statistics include the page faults per second, private bytes (in MB) and working set (in MB) used by the IM conferencing service.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ Process_IMMCUSvc collection.

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_PROCESS:THREADCOUNT
- CS_PROCESS:INSTANCENAME
- CS_PROCESS:WORKINGSET
- CS_PROCESS:PRIVATEBYTES

Reporter table: CS_PROCESS

Report Template File Name: g_IM Conferencing Service Memory Statistics.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Sends Outstanding on Front End Server

This monthly report displays the Sends Outstanding on the front end server in graphical (line graph) and tabular format. A high value means that a large number of requests and responses are queued outbound and this could be due to network latency issues or a problem with a remote server.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ SIPPeers_Logging collection.

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- CS_FESIPPEERS:SENDSOUTSTANDING

Reporter table: CS_FESIPPEERS

Report Template File Name: g_Sends Outstanding on Front End Server.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync Servers Service Availability

This report shows the availability of all Lync services.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the following collections:

- LYNC_ChkFrontEndApplicationSharingServStat
- LYNC_ChkFrontEndAVConferencingServStat
- LYNC_ChkFrontEndBackupServStat
- LYNC_ChkFrontEndOnlineBIDataCollectorServStat
- LYNC_ChkFrontEndConferencingAttendentServStat
- LYNC_ChkFrontEndConferencingAnnouncementServStat
- LYNC_ChkFrontEndCentralizedLoggingAgentServStat
- LYNC_ChkFrontEndFileTransferAgentServStat
- LYNC_ChkFrontEndMasterReplicatorServStat
- LYNC_ChkFrontEndReplicaReplicatorServStat
- LYNC_ChkFrontEndCallParkServStat
- LYNC_ChkFrontEndWebConferencingServStat
- LYNC_ChkFrontEndIMConferencingServStat
- LYNC_ChkFrontEndOnlineLegalInterceptServStat
- LYNC_ChkFrontEndOnlineLogRetentionServStat
- LYNC_ChkFrontEndBandwidthAuthPolicyServStat
- LYNC_ChkFrontEndBandwidthPolicyServStat
- LYNC_ChkFrontEndOnlineTelephonyConferencingServStat
- LYNC_ChkFrontEndOnlinePushNotificationServStat
- LYNC_ChkFrontEndOnlineProvisioningServStat
- LYNC_ChkFrontEnd ResponseGroupServStat
- LYNC_ChkFrontEndWWWebPublishingServStat
- LYNC_ChkFrontEndXMPPTranslatingGatewayServStat

Schedule Task Policy: LYNC_SCH_*_VERY_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- SERVSTAT: SERVSTATE
- SERVSTAT: SRVDISPNAME

Reporter table: SERVSTAT

Report Template File Name: g_Lync Servers Service Availability.rpt

Summarization: Not summarized

Retention Period: 30 Days

Lync SQL Back End Lat Exp by Front End Server

This monthly report displays the amount of time(in milliseconds) that a request spent in the queue to the SQL back end and the amount of time(in milliseconds) taken by the back end to process in graphical (line graph) and tabular format. If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

Other details of the report are:

Availability: Next day.

Required Collection: For this report to work properly, deploy the LYNC_Collect_FrontEnd_ UsrvDBSTORE collection.

Schedule Task Policy: LYNC_SCH_FRONTEND_HIGH

Metrics: This report uses the following metrics, which are logged into the Reporter database:

- LSUSRVDBSTORE: QUEUELATENCY

- LSUSRVDBSTORE: SPROCLATENCY

Reporter table: LSUSRVDBSTORE

Report Template File Name: g_SQL Back End Latency.rpt

Summarization: Not summarized

Retention Period: 30 Days

Graphs

Graphs are pictorial representation of the various metrics. Graphs contain data that are collected by policies. Graphs for the Microsoft Enterprise Servers SPI for Microsoft Lync Server 2013 are as follows:

Front End Service CPU Statistics

The Front End Service CPU statistics graph shows the CPU statistics of the Front End service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the Front End service is utilizing the processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_FrontEnd_ Process_RTCSrv	LYNC_ C10073	LYNC:CS_ PROCESS	LYNC_SCH_ FRONTEND_HIGH

Web Conferencing Service CPU Statistics

The Web Conferencing Service CPU statistics graph shows the CPU statistics of the web conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the web conferencing service is utilizing the processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_FrontEnd_ Process_DataMCUSvc	LYNC_ C10078	LYNC:CS_ PROCESS	LYNC_SCH_ FRONTEND_HIGH

IM Conferencing Service CPU Statistics

The IM Conferencing Service CPU statistics graph shows the CPU statistics of the IM conferencing service compared with overall CPU statistics of the system. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the IM conferencing service is utilizing the processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_FrontEnd_ Process_IMMCUSvc	LYNC_ C10079	LYNC:CS_ PROCESS	LYNC_SCH_ FRONTEND_HIGH

Audio/Video Conferencing Service CPU Statistics

The Audio/Video Conferencing Service CPU statistics graph shows the CPU statistics of the audio/video conferencing service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the audio/video conferencing service is utilizing the processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_FrontEnd_ Process_AVMCUSvc	LYNC_ C10071	LYNC:CS_ PROCESS	LYNC_SCH_ FRONTEND_HIGH

Mediation Service CPU Statistics

The Mediation Service CPU statistics graph shows the CPU statistics of the mediation service compared with overall CPU statistics of the system, in graphical format. The summarized process statistics include the percentage of CPU time used by the service compared with the percentage of time the system's CPU was busy. The graph helps you to determine to what extent the mediation service is utilizing the processor time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ Mediation_Process_ MediationServerSvc	LYNC_ C10083	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Front End Service Memory Statistics

The Front End Service Memory Statistics graph shows the memory statistics of the front end service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the front end service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_Process_ RTCSrv	LYNC_ C10073	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Web Conferencing Service Memory Statistics

The Web Conferencing Service Memory Statistics graph shows the memory statistics of the web conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_Process_ DataMCUSvc	LYNC_ C10078	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

IM Conferencing Service Memory Statistics

The IM Conferencing Service Memory Statistics graph shows the memory statistics of the IM conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_Process_ IMMCUSvc	LYNC_ C10079	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Audio/Video Conferencing Service Memory Statistics

The Audio/Video Conferencing Service Memory Statistics graph shows the memory statistics of the audio/video conferencing service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the audio/video conferencing service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_Process_ AVMCUSvc	LYNC_ C10071	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Web Conferencing Edge Service Memory Statistics

The Web Conferencing Edge Service Memory Statistics graph shows the memory statistics of the web conferencing edge service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the web conferencing edge service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_Process_ DataMCUSvc	LYNC_ C10078	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Mediation Service Memory Statistics

The Mediation Service Memory Statistics graph shows the memory statistics of the mediation service in graphical format. The summarized process statistics include the page faults per second, private bytes, and working set used by the mediation service.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ Mediation_Process_ MediationServerSvc	LYNC_ C10083	LYNC:CS_ PROCESS	LYNC_SCH_MEDIATION_ HIGH

SQL Back End Latency Experienced by Front End Server

The SQL Back End Latency Experienced by Front End Server graph shows the amount of time that a request spent in the queue to the SQL back end and the time taken by the SQL backend to process a request. If either the queue latency or processing latency is high, the front end will start throttling requests to the back end.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_ DBStoreLogging	LYNC_ C10085	LYNC:CS_ PROCESS	LYNC_SCH_FRONTEND_ HIGH

Average Holding Time for Incoming Messages on Front End Server

The Average Holding Time for Incoming Messages on Front End Server graph shows the average holding time for incoming messages on the front end server. A high value indicates that the front end server is overloaded and unable to process the requests on time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_ LoadMgmtLogging	LYNC_ C10093	LYNC:CS_ FRONTEND	LYNC_SCH_FRONTEND_ HIGH

Front End Server Availability and Connectivity

The Front End Server Availability and Connectivity graph shows the Local 503 Responses per second on the front end server. The 503 code indicates that the server is unavailable while the 504 code indicates connectivity problems with other servers.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_SIP_ Response_Logging	LYNC_ C10094	LYNC:CS_ FRONTEND	LYNC_SCH_FRONTEND_ HIGH

Sends Outstanding on Front End Server

The Sends Outstanding on Front End Server graph shows the Sends Outstanding on the front end server. A high value means that a large number of requests and responses are queued outbound and could be due to network latency issues or a problem with a remote server.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ FrontEnd_SIPPeers_ Logging	LYNC_ C10095	LYNC:CS_ FRONTEND	LYNC_SCH_FRONTEND_ HIGH

Average Incoming Message Processing Time on Access Edge Server

The Average Incoming Message Processing Time on Access Edge Server graph shows the Average Incoming Message Processing Time on the Access Edge Server. High values indicate that the Access Edge Server is overloaded and unable to process the requests on time.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ AccessEdge_ EdgeLogging	LYNC_ C10086	LYNC:CS_ FRONTEND	LYNC_SCH_EDGE_HIGH

Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over UDP on Audio/Video Edge Server graph shows the client requests errors per second, client send request errors per second and the idle sessions timed-out per second over UDP on the Audio/Video Edge Server. High values of client request errors per second and client send request errors per second can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ AVEdge_TCP_ Logging	LYNC_ C10097	LYNC:CS_ AVEDGETCP	LYNC_SCH_EDGE_HIGH

Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server

The Client Request Errors and Timed Out Sessions over TCP on Audio/Video Edge Server graph shows the client requests errors per second, client send request errors per second and the idle sessions timed-out per second over TCP on the Audio/Video Edge Server. High values of client request errors per second and client send request errors per second can indicate network latency issues. If a large number of sessions time out per second, then you can increase the session idle timeout parameter.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ AVEdge_UDP_ Logging	LYNC_ C10096	LYNC:CS_ AVEDGEUCP	LYNC_SCH_EDGE_HIGH

Authentication failures/sec on Audio/Video Edge Server

The Authentication failures/sec on Audio/Video Edge Server graph shows the authentication failures per second over UDP and TCP on the A/V Edge Server.

This graph uses the data collected by the following collection:

Collection Name	Collection ID	CODA ClassName	Schedule Task Policy
LYNC_Collect_ AVEdge_UDP_ Logging	LYNC_ C10096	LYNC:CS_ AVEDGE	LYNC_SCH_EDGE_HIGH

Chapter 11

Microsoft Enterprise Servers SPI Tools

The Microsoft Enterprise Servers SPI has the following tools:

- MSES_BTS_DB_Configuration

- Self-Healing Info

- Self-Healing Verification

- Create Datasource for SharePoint Server 2010

- Create Datasource for BizTalk Server 2010

- BTS 2010 Enable Trace

- BTS 2010 Cluster Config

Related Topics:

- Microsoft Enterprise Servers SPI Overview

MSES_BTS_DB_Configuration

The MSES_BTS_DB_Configuration tool is used to configure the Microsoft BizTalk Server.

The BizTalk Server 2006 stores data in SQL server instead of the WMI CIMV2 database. The the Microsoft Enterprise Servers SPI must connect to the BizTalk Server's SQL database to collect the related data it needs.

Before running Discovery, the HPOM administrator must configure the SQL database for all nodes with BizTalk Server installed. Windows integrated security (SSPI mode) does not workif the SQL authentication mode is set for SQL server. If SQL authentication is "users /", the HPOM console needs to know the SQL user name and password. To connect to SQL server If you If you choose to customize one or more policies after deploying them, ensure to redeploy the policies after customizing them. even when it is in SQL authentication mode, the HPOM administrator can use the MSES_BTS_DB_Configuration tool to store the corresponding SQL server name, and the SQL user name and password. If this configuration is not done for BizTalk Server 2006 nodes, the default SQL user name and password's value is considered.

For more details on the MSES_BTS_DB_Configuration tool, see *Additional Configuration Procedure* section of *HP Operations Smart Plug-in for Microsoft Enterprise Servers Installation and Configuration Guide*.

Related Topics:

- Microsoft Enterprise Servers SPI Tools Overview

Self-Healing Info

The Self-Healing Info tool runs the Microsoft Enterprise Servers SPI data collector on the selected nodes.

Related Topics:

● Microsoft Enterprise Servers SPI Tools Overview

Self-Healing Verification

The Self-Healing Verification tool verifies the version of the Microsoft Enterprise Servers SPI components.

Related Topics:

● Microsoft Enterprise Servers SPI Tools Overview

Create Datasource for SharePoint Server

The Create Datasource for SharePoint Server tool is launched to configure data sources for data logging in the SharePoint Server 2010. The name of data source configured using this tool is SharePoint_Server.

Related Topics:

● Microsoft Enterprise Servers SPI Tools Overview

Create Datasource for BizTalk Server

The Create Datasource for BizTalk Server tool is launched to configure data sources for data logging in the BizTalk Server. The name of the data source configured using this tool is MSES_ BIZTALKSERVER_INTERVAL.

Related Topics:

● Microsoft Enterprise Servers SPI Tools Overview

BTS 2010 Create Datasource

This tool configures the datasource for BizTalk Server 2010. The name of the datasource is BTS_ Data. By default, the datasource is created by CODA.

Create Datasource for ISA Server

The Create Datasource for ISA Server tool is launched to configure data sources for data logging in the ISA server. The name of the data source configured using this tool is ISAServer2006. It is

mandatory to run the tools before assigning and deploying the policies on the specific Microsoft Enterprise Server nodes.

Related Topics:

- Microsoft Enterprise Servers SPI Tools Overview

BTS 2010 Enable Trace

This tool can be used to enable tracing for the BizTalk SPI data collector. By enabling tracing, you can collect the troubleshooting information. This tool can be run on all BizTalk Server 2010 nodes. This tool set the trace level on the managed node. You must pass the following parameters as the trace level:

$Trace Level - An integer value between 0 to 4, with 0 being the minimum and 4 being the maximum

The possible trace levels are as follows:

0 - No errors are logged. If no trace levels are passes, this is the default value.

1 - Warnings. All errors and warnings are logged.

3 - Debug. Apart from all other information, all debug trace statements are also logged.

4 - Verbose. All trace statements are logged

> **Note:** The log files are created in the **%OvDataDir%\bin\BTS\log** folder . Separate log files are created for each collection. All trace files have the prefix **BTS**.

BTS 2010 Cluster Config

This tool generates the **apminfo.xml** file. This file provides necessary information to enable the Microsoft Enterprise SPI to identify and monitor BizTalk Server 2010 cluster nodes in the environment.

To run this tool, follow these steps:

- In the HPOM console tree, click **Tools** → **SPI for Microsoft Enterprise Servers** → **BizTalk Server**.

- Select the **BTS 2010 Cluster Config** tool.

- In the details pane, double-click Exchange Cluster Configuration . The Select where to launch this tool dialog box opens.

- Click **Launch**. The Tool Status window opens and displays the output under the Tool Output section.

- Select and copy the text content under the Tool Output section to a text editor. Save the text as **apminfo.xml** in the following locations on cluster nodes of BizTalk Server 2010 cluster:
  - For DCE-managed nodes—**%OvAgentDir%\conf\OpC**
  - For HTTPS-managed nodes—**%OvAgentDir%conf\conf**

> **Note:** If the folder does not exist, create the folder manually.

- You can use the following commands to stop and start the agents:
  - **opcagt -kill**

  - **opcagt -start**

Chapter 12

Microsoft Enterprise Servers SPI Tools (2013)

The Microsoft Enterprise Servers SPI (2013) has the following tools:

- Configure Edge server Discovery for Lync Server
- Create DataSource for Lync Server
- Enable Trace (for Lync Server)
- Create DataSource for Sharepoint Server

Configure Edge server Discovery for Lync Server

The Configure Edge server Discovery for Lync Server tool stores user information required to run the Microsoft Lync Server Discovery policy on the Edge Server in an encrypted format. The SPI Discovery instrumentation reads the user information that is stored on the Edge Server.

Create DataSource for Lync Server

The Create Datasource for Lync Server tool is launched to configure data sources for data logging in the Lync Server 2013. The Create Datasource for Lync Server tool creates databases into the HP Operations agent data store (embedded performance component also known as CODA).

If you use Performance Agent as the data store, data source creation and data logging happens in Performance Agent, by default. There is no additional configuration required. If you do not have the HP Performance Agent installed in your environment, the tool creates databases into CODA.

> **Note:** If you do not run this tool, you cannot log information on a managed node.

Enable Trace (for Lync Server)

Enable Trace tool can be used to obtain troubleshooting information from Lync server nodes. You can use this tool by configuring the tracevalue parameter. The tracevalue is a value ranging from 0 to 4, 4 being the maximum value.

> **Note:** Trace level must be set to 4 only for a short time to collect debug information. The number of trace files and size of `dat` file increases when trace level 4 is enabled.

Create DataSource for Sharepoint Server

The Create Datasource for SharePoint Server tool is launched to configure data sources for data logging in the SharePoint Server 2013. The name of data source configured using this tool is SharePoint_Server.

If you do not have the HP Performance Agent installed in your environment, the tool creates databases into CODA. The data store can store the data collected by individual collectors.

Note: If you do not run this tool, you cannot log information on a managed node.

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