

HP Operations Smart Plug-in for Microsoft Exchange Server

for HP Operations Manager for Windows®

Software Version: 13.08

PDF version of the online help

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Microsoft Exchange Server Smart Plug-in 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 Smart Plug-in for Microsoft Exchange Server (Microsoft Exchange SPI) helps you to manage the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 in your environment. The Microsoft Exchange SPI keeps you informed about the conditions related to the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 and updates you with the following activities:

- Availability of Microsoft Exchange Server and its roles.
- Monitoring events that occur on Microsoft Exchange Servers.
- Monitoring functions of different Microsoft Exchange Servers.
- Monitoring and reporting important metrics like Mail Flow Latency, Transport Agent Queue Lengths, Information Store DB Cache Size, and SPAM Statistics among others.
- Providing ExBPA Integration.

The Microsoft Exchange SPI enables you to oversee your distributed Microsoft Exchange environment from a central, easy-to-use console. You can apply the performance and problem management processes that you use for networks and systems to monitor Microsoft Exchange Servers.

The Microsoft Exchange SPI:

- Increases Microsoft Exchange Server availability and performance.
- Reduces the support costs associated with your Microsoft Exchange Server.
- Improves capacity management and planning for Microsoft Exchange Server.

Related Topics

- Policy Group Catalog
- Using Reports
- Using Graphs

Components of Microsoft Exchange SPI

The components of the Microsoft Exchange SPI are:

- *Policies*: Pre-defined thresholds to keep a constant vigilance over the Microsoft Exchange 2007 and Microsoft Exchange 2010 Server environments 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 Microsoft Exchange SPI provides a range of policies. For more information on policies see [Using Policies](#) .
- *Tools*: Utilities to gather more Microsoft Exchange 2007 and Microsoft Exchange 2010 Server related information. The Microsoft Exchange SPI tools enable you to perform certain tasks on managed nodes to simplify monitoring the Microsoft Exchange Servers. You can also use the tools to configure the Microsoft Exchange SPI. For example PowerShell Configuration Collection Utility tool or Create DataSources tool. For more information see [Using Tools](#) .
- *Reports*: Represent various metrics of Microsoft Exchange Server. Data collected by policies are used to generate reports. For more information on reports see [Using Reports](#) .
- *Graphs*: Graphical representation of various metrics of the Microsoft Exchange Server. Graphs contain the data that are collected by policies. For more information on graphs, see [Using Graphs](#) .

**Note:**

Reports and graphs generated with the help of HP Reporter and HP Performance Manager (HP PM) provide you an overview to determine corrective actions to be taken in the long term. See *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* for more details on HP Reporter and HP PM.

Related Topics

- [Getting Started](#)
- [Microsoft Exchange SPI Overview](#)

Getting Started with Microsoft Exchange SPI

The HP Operations Smart Plug-ins DVD contains the Microsoft Exchange SPI. See the *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* for a complete installation, upgrade, and configuration procedure.

To verify the Microsoft Exchange SPI has been installed properly, check the SPI under policy group. Expand **Policy Group** under **Policy Management**. The **SPI for Exchange** in the list verifies the installation. You can further expand **SPI for Exchange** and check for **Exchange 2007** or **Exchange 2010** policies.

**Note:**

To verify the upgrade of the Microsoft Exchange SPI, ensure that the version of the policies and binaries is 13.850.

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

- *Service Map*: The service map view of HPOM presents a graphical and structural view of the Microsoft Exchange Servers 2007 and 2010 in your environment. The Microsoft Exchange SPI discovers the Microsoft Exchange Server nodes and Microsoft Exchange Server services tree (left pane) and displays them in the map view (right pane). The map view displays the near real-time status of your Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 environments.
- *Message Browser*: The Microsoft Exchange SPI monitors events and services on the managed nodes (servers on which the Microsoft Exchange Servers are installed and the HP Operations agent is deployed) and generates messages, which are displayed on the message browser of HPOM console.

Microsoft Exchange SPI has the following message groups:

- EXSPI_2007
 - EXSPI_2007_Errors
 - EXSPI_2010
 - EXSPI_2010_Errors
-
- *Reports and Graphs*: You can integrate the Microsoft Exchange SPI with HP Reporter and HP Performance Manager to generate reports and graphs based on collected metric data. HP Reporter captures and formats data collected at nodes and generates web-based reports. HP Performance Manager generates graphs from near real-time data gathered from the managed nodes. You can access these graphs from the HPOM console if you install HP Performance Manager on HPOM management server.
 - *HP Operations Topology Viewer Tool*: The Microsoft Exchange SPI enables you to view a Microsoft Exchange organization graphically with the help of three-dimensional maps of routing groups and server connections. From the topology view you can quickly view routing groups, Microsoft Exchange servers, and the roles they play within your Microsoft Exchange organization. For more information about this tool, see *HP Operations Topology Viewer*.

- *EXSPI Configuration Utility Tool*: This tool enables you to edit the collection configuration data for Microsoft Exchange SPI. You can also create new collections and metrics and can modify them, if required. For more information about the EXSPI Collection Configuration Utility tool, see EXSPI Configuration Utility .

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

Related Topics

- Components of Microsoft Exchange SPI
- Deploying Policies based on Server Type

Deploying Policies based on Server Type

Deploy the specific policy group for the specific Microsoft Exchange server. The server role and their related policy groups are as follows:

Server Role	Policy Group
Mailbox Server	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server
Hub Transport Server	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server
Edge Transport Server	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Transport Server
Client Access Server	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server
Unified Messaging Server	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

Deploy the following policy groups for *all* the Microsoft Exchange SPI managed nodes irrespective of the specific server role:

Server Role	Policy Group
Discovery	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Discovery
Availability	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability
Collector Definition	SPI for Exchange → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Collector Definition

Note: Before you deploy the EXSPI-8X Check Collector Server policy, ensure to use the same privileges as the Start PowerShell tool.

Related Topics

- Using Policies
- Policy Group Catalog

Service and Component Discovery of Microsoft Exchange SPI

When a Windows node is placed under Operations Manager (a Microsoft Exchange Server node is added to the Nodes folder), policies to discover the Microsoft Exchange topology are automatically launched.

The discovered Microsoft Exchange topology is maintained in HPOM and is used to populate the Microsoft Exchange service views. Service map assists the administrator group by displaying Microsoft Exchange-related messages by service type. For example, Outlook Mobil Access messages are sent to the OMA node of the Service Map.

The Microsoft Exchange SPI auto discovery policies discover the hierarchical service structure of your Microsoft Exchange organization. The servers appear under the console's **Services** folder, in the Microsoft Exchange folder. Expand the folder to see a list of Microsoft Exchange services. In the details pane is the graphical display of the Microsoft Exchange service hierarchy. When an organizational level is selected in the console tree or on the map itself, all the levels below it display in the services map. In addition, display the Services map by clicking the **Map** button on the HPOM toolbar.

Related Topic

- Deploying Policies based on Server Type

Using Policies

The Microsoft Exchange SPI policies monitor the Microsoft Exchange 2007/2010 Server environment and run according to rules and schedule specifications. Scheduled Tasks policies contain the rules for interpreting Microsoft Exchange Server 2007/2010 states or conditions.

Deploying Policies

The policies for the Microsoft Exchange SPI in the HPOM console are available in two ways—Policy Group and Policy Type.

Policy Group

A policy group organizes policies according to the deployment method and area to be targeted for discovery or monitoring. Deployment in Microsoft Exchange SPI is manual.

Policy Type

All individual Microsoft Exchange SPI policies begin with "EXSPI" and can be found in the console details pane after selecting from one of the relevant categories listed below:

- *Service Auto-Discovery*: Policies of Service Auto-Discovery are responsible for discovering the Microsoft Exchange Server 2007/2010 topology and configuring the agent for the Microsoft Exchange SPI instrumentation.
- *Scheduled Task*: Policies of Scheduled Task execute the EXSPI Data Collection Configuration to capture and log performance data for alarming, graphing, and reporting.
- *Measurement Threshold*: Policies of Measurement Threshold fall into two groups:
 - Use Real Time Performance Measurement to capture performance data and send alarms based on threshold settings.
 - Capture the measurement threshold values from the EXSPI Data Collection Configuration and send alarms based on threshold settings.
- *Windows Event Log*: Policies of Windows Event Log forward Microsoft Exchange Server related application and system event log messages to the message browser.
- *Windows Management Interface*: Policies of Windows Management Interface query WMI to check for and restart Microsoft Exchange services. Messages are sent to the corresponding HPOM service as problems are found.
- *ConfigFile*: The Microsoft Exchange SPI has one policy of this type for Exchange 2007/2010 (EXSPI-8X/14X SPIMetaData Versioning), which deploys the spimetadata.xml file on managed nodes.
- *Open Message Interface*: Policies of Open Message Interface forward messages from opcmmsg to HPOM. The Microsoft Exchange SPI has one policy of this type for each Exchange version, they forward messages to HPOM from the EXSPI Data Collection Configuration.
- *LogFile Entry*: Policies of LogFile Entry parse files matching text as configured. It parses the javaagent.log on the managed node and forwards any Exchange Discovery errors found.

Related Topics

- [Policy Group Catalog](#)
- [Golden Metrics](#)

Deploying Microsoft Exchange SPI Policies

You must deploy the Microsoft Exchange SPI policies manually. All the policies are placed in the Manual-Deploy policy group. By default, all the policies of the Microsoft Exchange SPI are prefixed with EXSPI-8X or EXSPI-14X.

To deploy the Microsoft Exchange SPI policies:

1. Select one or more policies.
2. Right-click and select **All Tasks** → **Deploy on...**
3. Select the nodes on which to deploy the policies.
4. Select **Launch...**

Manual Deploy policy groups

There is also a Manual Deploy Groups folder containing policies, located under **Policy Management** → **Policy Groups** → **SPI for Exchange** → **en**, and the relevant Exchange version. These folders contain policies, some of which require additional privileges for deployment.

For more details on customizing and deploying policies, see *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide*.

Related Topic

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

Policy Groups Catalog

All policies for Microsoft Exchange SPI are grouped under the Manual-Deploy Groups and are further classified into the following sub-groups:

Discovery : used to discover the Microsoft Exchange topology and services from the managed nodes.

Collection Definition : used to deploy the SPI metadata file on the managed nodes.

Availability : used to capture the availability status of the Microsoft Exchange services and sends application errors to HPOM.

Client Access Servers : used to monitor the connectivity and performance of the Client Access server role of the Microsoft Exchange Server 2007/2010. The Client Access Server policy group is further classified into the following sub-groups:

- Availability
- ActiveSync
- Auto Discover
- File Distribution Service
- IMAP4
- Information Worker
- Outlook
- POP3
- Outlook Webaccess
- Outlook Anywhere

ExBPA Integration : contains the tools that monitor and collect information from the Microsoft Exchange Best Practice Analyzer and forward the collected information to the HPOM management server.

Hub Transport Servers : used to monitor the Hub Transport server role of Exchange Server 2007/2010.

Edge Servers : used to monitor the Edge Transport server role of Exchange Server 2007/2010.

Mailbox Servers : used to monitor the Mailbox server role of Exchange Server 2007/2010. The Mailbox Server policy group is further classified into the following sub-groups:

- Availability
- High Availability
- Mailbox

- MAPI
- Outlook Performance
- Performance
- Public Folder

Unified Messaging Server : used to monitor the Unified Messaging server role of Exchange Server 2007/2010.

Related Topic

- Using Policies
- Choosing Manual Deploy Polices

Choosing Policies of Manual-Deploy Policy Group

You can deploy the following policies from their policy sub groups:

Discovery Policies

- Exchange 2007/2010 Discovery
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Discovery
- EXSPI-8X Exchange Cluster Discovery AppLog 2k8
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Discovery
- EXSPI-8X Exchange Cluster Discovery SysLog
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Discovery
- EXSPI-14X Exchange DatabaseCopy Status
SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Discovery

ExBPA Integration Policies

- EXSPI-8X/14X Forward ExBPA Event Log Errors
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → ExBPA Integration
- EXSPI-8X/14X ExBPA Integration
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → ExBPA Integration

Collection Definition Policies

- EXSPI-8X/14X SPIMetaData Versioning
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Collector Definition
- EXSPI-8X Check Collector Server
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Collector Definition
- EXSPI-8X/14X Error Messages
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Collector Definition
- EXSPI-8X/14X Messages
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Collector Definition

Availability

- EXSPI-8X/14X Get Exchange Availability
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability
- EXSPI-8X/14X Exchange Application Errors
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability
- EXSPI-8X/14X Exchange Application Info
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability
- EXSPI-8X/14X Exchange Application Warnings
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability
- EXSPI-8X/14X_Check_ADTopologyServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Availability

Client Access Servers

Availability

- EXSPI-8X/14X_Check_CASFileDistributionServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Availability
- EXSPI-8X/14X_Check_IMAP4ServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Availability
- EXSPI-8X/14X_Check_POP3ServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Availability
- EXSPI-8X/14X_Check_CASExchangeServiceHostStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Availability

ActiveSync

- EXSPI-8X/14X-ActiveSync-Errs
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

- EXSPI-8X/14X-ActiveSync-Warn

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

- EXSPI-8X/14X-ActiveSync-Info

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

- EXSPI-8X/14X Get ActiveSync Connectivity

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

- EXSPI-8X/14X-ASyncConnectivity_Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

- EXSPI-8X/14X-AsyncConnectivity_Result

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → ActiveSync

AutoDiscover

- EXSPI-8X/14X Autodiscover-Err

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → AutoDiscover

- EXSPI-8X/14X Autodiscover-Warn

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → AutoDiscover

File Distribution Service

- EXSPI-8X/14X CAS Collect FDS Metrics

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → File Distribution Service

- EXSPI-8X/14X-DownloadTasksCompleted-OAB-All

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → File Distribution Service

- EXSPI-8X/14X-DownloadTasksQueued-OAB-All

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → File Distribution Service

- EXSPI-8X/14X-DownloadTaskQueued-OAB-Total

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → File Distribution Service

IMAP4

- EXSPI-8X/14X IMAP4 Failed Connection Rate

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X IMAP4 Rejected Connection Rate

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X Dc- IMAP4 Performance

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X IMAP4 Connections

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X Get Imap Connectivity

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X-IMAP4

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X-ImapConnectivity_Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

- EXSPI-8X/14X-ImapConnectivity_Result

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4

POP3

- EXSPI-8X/14X Dc-POP3 Performance

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server →

POP3

- EXSPI-8X/14X-POP3

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X POP3 Connections

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X POP3 Failed Connection Rate

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X POP3 Rejected Connection Rate

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X Get Pop Connectivity

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X-PopConnectivity_Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

- EXSPI-8X/14X-PopConnectivity_Result

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3

Information Worker

- EXSPI-8X/14X-InformationWorker

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Information Worker

Outlook WebAccess

- EXSPI-8X/14X CAS-Evt-MSEExchange OWA

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook WebAccess

- EXSPI-8X/14X Get Owa Connectivity

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook WebAccess

- EXSPI-8X/14X-OwaConnectivity_Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook WebAccess

- EXSPI-8X/14X-OwaConnectivity_Result

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook WebAccess

Outlook Anywhere

- EXSPI-8X/14X Check Outlook Anywhere Enabled

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook Anywhere

- EXSPI-8X/14X Check Outlook Anywhere Not Enabled

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook Anywhere

Edge Servers

Availability

- EXSPI-8X/14X Edge_Check_ADAMServiceStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Availability

- EXSPI-8X/14X_Check_EdgeCredentialServiceStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Availability

- EXSPI-8X/14X_Check_EDGEEExchangeTransportServiceStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Availability

- EXSPI-8X/14X MSEExchange Messaging Policies

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Availability

- EXSPI-8X/14X Ed-MSEExchange EdgeSync-Errors and Warnings

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server →

Availability

- EXSPI-8X/14X Ed-MSEExchange Message Security

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Availability

Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Attachment Filtering

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Protocol Analysis Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Sender ID Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Sender Filter Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Connection Filtering Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Content Filter Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X Edge DC-MSEExchange Recipient Filter Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

SPAM and Blocked Mails

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpt

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X-EdgeGetBlockedMailsCount

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

- EXSPI-8X/14X-EdgeMonitorBlockedMails

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent

SMTP

- EXSPI-8X/14X Edge Dc-SMTP Perf Outbound Cnn

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP

- EXSPI-8X/14X Edge Dc-SMTP Perf Inbound Cnn

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP

Transport Queues

- EXSPI-8X/14X Dc Transport Queues

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Get Queue Data

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Active Mailbox Delivery Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Active Remote Delivery Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-AggDelivery QLength-All_Queuees

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport

Queues

- EXSPI-8X/14X Edge Th-Largest Delivery Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Poison Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Retry Non-SMTP Delivery Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Submission Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

- EXSPI-8X/14X Edge Th-Unreachable Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues

Other Policies

- EXSPI-8X/14X Check Tracking Log Settings

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server

- EXSPI-8X/14X Edge Get Configuration of the Transport Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server

- EXSPI-8X/14X Edge Th-Delay DSNs

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server

- EXSPI-8X/14X Edge Th-Failure DSNs Total

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server

Hub Transport Servers

Availability

- EXSPI-8X/14X_Check_HUBExchangeEdgeSyncServiceStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability

- EXSPI-8X/14X_Check_HUBExchangeTransportServiceStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability

- EXSPI-8X/14X MExchange Store Driver Events

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability

- EXSPI-8X/14X MExchange Messaging Policies Events

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability

- EXSPI-8X/14X MExchange EdgeSync Events

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability

SMTP

- EXSPI-8X/14X Dc-SMTP Performance for Inbound Connections

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SMTP

- EXSPI-8X/14X Dc-SMTP Performance for Outbound Connections

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SMTP

SPAM and Blocked Mails

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

- EXSPI-8X/14X-Dc-HubAgentLogBlockedRcpt

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

- EXSPI-8X/14X-Dc-HubMonitorSPAMStatistics

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

- EXSPI-8X/14X-HubGetBlockedMailsCount

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

- EXSPI-8X/14X-HubMonitorBlockedMails

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

Transport Queues

- EXSPI-8X/14X Get Queue Data

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X DC Transport Queues

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-ActiveMailboxDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-ActiveNon-SmtpDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-ActiveRemoteDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-AggDel_QLength-All_Queues

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-Poison_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-LargestDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-RetryMailboxDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-RetryNon-SmtpDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-RetryRemoteDelivery_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-Submission_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

- EXSPI-8X/14X Hub Th-Unreachable_QLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues

Other Policies

- EXSPI-8X/14X Get Configuration of the Transport Agent

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Check Tracking Log Settings

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Dc-Get Top Destination Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Dc-Get Top Recipient Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Dc-Get Top Sender Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Dc-Get Top Source Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X HUB Transport DSN

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Hub Th-Delay DSNs

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

- EXSPI-8X/14X Hub Th-FailureDSNsTotal

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

Mailbox Servers

Availability

- EXSPI-8X/14X_Check_InformationStoreServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Check_MailboxAssistantServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Check_MailSubmissionServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Check_MBExchangeServiceHostStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Check_ReplicationServiceStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Check_SystemAttendantStatus
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Forward_MSEExchangeSA_Errors
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_Forward_MSEExchangeAL_Errors
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability
- EXSPI-8X/14X_MSEExchange_MailSubmission_Events
SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability

High Availability

- EXSPI-8X/14X_Dc_Replication_Summary

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

- EXSPI-8X/14X ReplicationReplayQueueLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

- EXSPI-8X/14X ReplicationCopyQueueLength

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

- EXSPI-8X/14X Replication Warnings in Application Event Log

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

- EXSPI-8X/14X Replication Errors in Application Event Log

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

- EXSPI-8X/14X Check Replication Service

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

Assistants

- EXSPI-8X/14X-MailboxServer-Assistants

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Assistance

Mail Submission

- EXSPI-8X/14X-Mailbox-MailSubmission

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mail Submission

Mailbox

- EXSPI-8X/14X Get Mailbox Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

- EXSPI-8X/14X Get Mailbox IS Sum Data

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server →

Mailbox

- EXSPI-8X/14X Dc-IS Mailbox Performance

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

- EXSPI-8X/14X IS Mailbox Receive Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

- EXSPI-8X/14X Check Circular Logging Enabled

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

- EXSPI-8X/14X Check If Circular Logging Disabled

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

- EXSPI-8X/14X IS Mailbox Average Delivery Time

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

MAPI

- EXSPI-8X/14X Test Mapi Connectivity

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → MAPI

- EXSPI-8X/14X Information Store RPC Requests

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → MAPI

- EXSPI-8X/14X Information Store RPC Operations

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → MAPI

- EXSPI-8X/14X Information Store RPC Average Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → MAPI

Outlook Performance

- EXSPI-8X/14X Outlook Client RPC Failure Rate

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance

- EXSPI-8X/14X Outlook Client Latency

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance

- EXSPI-8X/14X Dc-Outlook Client

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance

Performance

- EXSPI-8X/14X Dc-Information Store Performance

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Db Cache Size

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Db Cache Size in MB

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Db Log Record Stall per sec

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store VM 16MB Blocks

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store VM Largest Block

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store VM Large Block Bytes

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Additional Heaps

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Heap Memory Errors

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Db Log Threads Waiting

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Memory Errors

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store Db Log Writes per sec

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

- EXSPI-8X/14X Information Store User Count

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

Public Folder

- EXSPI-8X/14X Get Public Folder Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

- EXSPI-8X/14X Get Public IS Sum Data

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

- EXSPI-8X/14X Dc-IS Public Folder Performance

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

- EXSPI-8X/14X Public Folder Average Delivery Time

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

- EXSPI-8X/14X IS Public Receive Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

- EXSPI-8X/14X IS Public Replication Queue Length

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder

Unified Messaging Servers

Availability

- EXSPI-8X/14X_Check_SpeechEngineStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → Availability

- EXSPI-8X/14X_Check_UnifiedMessagingStatus

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → Availability

File Distribution Service

- EXSPI-8X/14X-DownloadTaskCompleted-UM-All

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

- EXSPI-8X/14X DownloadTaskQueued-UM-All

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

- EXSPI-8X/14X UM Collect FDS Metrics

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

- EXSPI-8X/14X DownloadTasksQueued-UM-Total

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

Other Policies

- EXSPI-8X/14X GetUM IPGatewayDetails

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X Get UMServer Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X Get UMMailbox Pin Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X Get Unified Messaging Mailbox Details

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X Get UMHuntGroup Details

PI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMFax

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMSubscriberAccess

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMAvailability

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMGeneral

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMAAutoAttendant

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM DC-MSEExchangeUMCallAnswer

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

- EXSPI-8X/14X UM Th-MSEExchangeUMAvailability

SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

Related Topics

- Policy Group Catalog

Discovery Policy

The Discovery policy subgroup discovers the Exchange topology and services from the managed nodes. This group contains the following policies:

- Exchange 2007/2010 Discovery
- EXSPI-8X Exchange Cluster Discovery AppLog 2k8
- EXSPI-8X Exchange Cluster Discovery SysLog
- EXSPI-14XExchange DatabaseCopy Status

Related Topics

- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

Exchange 2007/2010 Discovery

The Exchange 2007/2010 Discovery policy discovers the Microsoft Exchange topology and the Microsoft Exchange services on the managed node. The policy can discover the following:

- The Microsoft Exchange servers available in your organization
- Roles assigned to each Microsoft Exchange server
- Services running on each Microsoft Exchange server

The Exchange 2007/2010 Discovery policy discovers the following server roles and services:

- Server roles
 - Mailbox Server
 - Hub transport server
 - Client Access server
 - Unified Messaging server
 - Edge server
- Services
 - Microsoft Exchange Active Directory Topology
 - Microsoft Exchange ADAM
 - Microsoft Exchange Credential Service
 - Microsoft Exchange EdgeSync
 - Microsoft Exchange File Distribution Service
 - Microsoft Exchange Anti-spam Update
 - Microsoft Exchange IMAP4
 - Microsoft Exchange Information Store
 - Microsoft Exchange Mail Submission Service
 - Microsoft Exchange Mailbox Assistants
 - Microsoft Exchange Monitoring
 - Microsoft Exchange POP3
 - Microsoft Exchange Replication Service
 - Microsoft Exchange Search Indexer
 - Microsoft Exchange Service Host

- Microsoft Exchange Speech Engine
- Microsoft Exchange System Attendant
- Microsoft Exchange Transport
- Microsoft Exchange Transport Log Search
- Microsoft Exchange Unified Messaging
- Microsoft Search (Microsoft Exchange Server)

If you want to monitor cluster nodes, you must provide this policy with the access credentials of an administrative user. See *Discovery Configuration Scenario* section of the *HP Operations Smart Plug-in For Microsoft Exchange Server Installation and Configuration Guide* for more details .

Policy Type: Service Auto-Discovery policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Discovery**

Note : For Exchange 2010 Discovery

Run the Exchange 2010 Discovery policy as a user who has all the following privileges:

1. Local Administrator of the Exchange Server
2. Server Management
3. View-Only Organization Management
4. Records Management

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X Exchange Cluster Discovery AppLog 2k8

The EXSPI-8X Exchange Cluster Discovery AppLog 2k8 policy rediscovers services on the managed node. You must deploy this policy on a Microsoft Exchange Server hosted on Windows Server 2008 cluster system. The policy waits for the events 1029 and 1028 and triggers re-discovery on the node. Run this policy as an administrator user. See Discovery Configuration Scenarios section in chapter-3 of *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* for more details.

Policy Type: Windows Events Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007** → **Manual Deploy Group** → **Discovery**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X Exchange Cluster Discovery SysLog

The EXSPI-8X Exchange Cluster Discovery Syslog policy rediscovers services on the managed node. You must deploy this policy on a Microsoft Exchange Server hosted on Windows Server 2003 cluster machine. The policy waits for the events 1204 and 1201 and triggers the re-discovery on the node. Run this policy as an administrator user. See Discovery Configuration Scenarios section in chapter-3 of *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* for more details.

Policy Type: Windows Events Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007** → **Manual Deploy Group** → **Discovery**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-14X Exchange DatabaseCopy Status

The EXSPI-14X Exchange DatabaseCopy Status policy updates the service map when important database status changes occur in members of a DAG.

Run this policy as an administrator user. See Discovery Configuration Scenarios section in chapter-3 of *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* for more details.

Policy Type: Windows Events Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2010** → **Manual Deploy Group** → **Discovery**

Note : The Exchange Re-Discovery policy will be triggered automatically when the database state changes to one of the following states:

1. Mounted
2. Dismounted
3. Suspended
4. Copy Resumed
5. ExSearch Mount Succeeded

In case of database state changes other than those listed above, the Re-Discovery policy will not be triggered. Database state will be updated when the Exchange Discovery policy runs as per schedule.

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

Collector Definition

The Collector Definition group contains the following policies:

- EXSPI-8X/14X SPIMetaData Versioning
- EXSPI-8X Check Collector Server
- EXSPI-8X/14X Error Messages
- EXSPI-8X/14X Messages

Related Topics

- Discovery
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X SPIMetaData Versioning

The EXSPI-8X/14X SPIMetaData Versioning policy contains the **spimetadata.xml** file. Deploy this policy on all the Microsoft Exchange nodes before you deploy any other policy of Collector Definition group. Whenever any change is made in the **spimetadata.xml** file by using the EXSPI Configuration Utility tool, the version of this policy gets updated. You must redeploy this policy on the node for changes to take effect.

For more details on the EXSPI Configuration Utility tool, see *HP Operations Smart Plug-in for Microsoft Exchange Server Installation and Configuration Guide* .

Policy type: ConfigFile policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Collector Definition**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X Check Collector Server

The EXSPI-8X Check Collector Server policy checks the status of the PowerShell collector process on the managed nodes. If the PowerShell collector process stops, this policy starts the process.

Before you deploy the policy, you must provide the policy with the access credentials of an Exchange user with Exchange View Only administrative privileges. You must enable the Allow Log on Locally security policy for the user. Use the same user credentials that was used with the Start PowerShell Collector tool (Start PowerShell Collector Tool).

Schedule: This policy runs every 5 minutes.

Policy Type: Scheduled Task policy

Policy group: **SPI for Exchange** → en → **Exchange 2007** → **Manual Deploy Groups** → **Collector Definition**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Error Messages

The EXSPI-8X/14X Error Messages policy intercepts the error messages sent from the collector server, scheduler, and PowerShell script and forwards them to the HPOM console with the relevant troubleshooting information.

Policy Type: Open Message Interface policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Collector Definition**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Messages

The EXSPI-8X/14X Messages policy intercepts the alert messages sent from the PowerShell collector and forwards them to the HPOM console.

Policy Type: Open Message Interface policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Collector Definition**

Related Topics:

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

Availability

The Availability policy group captures the availability status of the Microsoft Exchange 2007/2010 Server services and sends the Microsoft Exchange Server related important events from application event log to the HP Operations Manager (HPOM). This group contains the following policies:

- EXSPI-8X/14X Get Exchange 2007/2010 Availability
- EXSPI-8X/14X Exchange Application Errors
- EXSPI-8X/14X Exchange Application Info
- EXSPI-8X/14X Exchange Application Warnings
- EXSPI-8X/14X Check_ADTopologyServiceStatus

Related Topics

- Discovery
- Collection Definition
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Exchange Availability

The EXSPI-8X/14X Get Exchange Availability policy monitors the availability of the Microsoft Exchange Server 2007/2010. This policy logs data into the data store (CODA or Performance Agent (PA)) the availability status of the services and the Exchange 2007/2010 Availability report is generated with the help of this data.

Data Logging

See Data Store Table for Policies for data logging details of this policy.

Schedule: This policy runs every 5 minutes.

Policy Type: Scheduled Task policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Exchange 2007/2010 Application Errors

The EXSPI-8X/14X Exchange 2007/2010 Application Errors policy collects the errors logged into the application event log by the following sources and forwards the errors to the management server:

- MExchangeTransportLogSearch
- MExchangeSetup
- MExchangeServiceHost
- MExchangeSearch
- MExchangeRepl
- MExchangeADAccess
- MExchange Unified Messaging
- MExchange Transport Service
- MExchange Store Driver
- MExchange RPC Over HTTP Autoconfig
- MExchange OWA
- MExchange EdgeSync
- MExchange Messaging Policies
- Microsoft Search
- MExchangeActiveSyncNotify
- MExchange Assistants
- MExchangeFBPublish
- MExchangeIS
- MExchangeIS Mailbox Store
- MExchangeIS Public Store
- MExchangeMU
- MExchangeSA
- MExchangeSetup
- MExchangeTransport

Policy Type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Availability**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Exchange Application Info

The EXSPI-8X/14X Exchange Application Info policy collects the informational events logged into the application event log by the following sources and forwards the collected information to the management server:

- MExchangeTransportLogSearch
- MExchangeSetup
- MExchangeServiceHost
- MExchangeSearch
- MExchangeRepl
- MExchangeADAccess
- MExchange Unified Messaging
- MExchange Transport Service
- MExchange Store Driver
- MExchange RPC Over HTTP Autoconfig
- MExchange OWA
- MExchange EdgeSync
- MExchange Messaging Policies
- Microsoft Search
- MExchangeActiveSyncNotify
- MExchange Assistants
- MExchangeFBPublish
- MExchangeIS
- MExchangeIS Mailbox Store
- MExchangeIS Public Store
- MExchangeMU
- MExchangeSA
- MExchangeSetup
- MExchangeTransport

Policy Type: Windows Event Log policy

Policy group: **SPI for Exchange** → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Group →

Availability**Related Topics:**

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Exchange Application Warnings

The EXSPI-8X/14X Exchange Application Warnings policy collects warnings logged in the application event log by the following sources and forwards the collected warnings to the management server:

- MExchangeTransportLogSearch
- MExchangeSetup
- MExchangeServiceHost
- MExchangeSearch
- MExchangeRepl
- MExchangeADAccess
- MExchange Unified Messaging
- MExchange TransportService
- MExchange Store Driver
- MExchange RPC Over HTTP Autoconfig
- MExchange OWA
- MExchange EdgeSync
- MExchange Messaging Policies
- Microsoft Search
- MExchangeActiveSyncNotify
- MExchange Assistants
- MExchangeFBPublish
- MExchangeIS
- MExchangeIS Mailbox Store
- MExchangeIS Public Store
- MExchangeMU
- MExchangeSA
- MExchangeSetup
- MExchangeTransport

Policy Type: Windows Event Log

Policy group: **SPI for Exchange** → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Group →

Availability**Related Topics**

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X_Check_ADTopologyServiceStatus

The EXSPI-8X/14X_Check_ADTopologyServiceStatus policy checks the status of the *Microsoft Exchange Active Directory Topology* service and alerts appropriately.

Schedule: This policy runs every 5 minutes.

Policy Type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Availability**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

Client Access Servers

The Client AccessServer group includes the policies that help you monitor and manage the Microsoft Exchange 2007/2010 nodes with the Client Access Server role. The policies in this group help you monitor the details related to the POP3 performance, active synchronization, and so on.

This group contains the policies in the following sub groups:

- *Availability* - The Availability group monitors states of the services that are necessary for a smooth functioning of the Client Access Server. This group includes the following policies:
 - EXSPI-14X_Check_CASExchangeServiceHostStatus
 - EXSPI-8X/14X_Check_CASFileDistributionServiceStatus
 - EXSPI-8X/14X_Check_IMAP4ServiceStatus
 - EXSPI-8X/14X_Check_POP3ServiceStatus
- *ActiveSync* - The Microsoft Exchange SPI monitors the state of Exchange ActiveSync. The policies included in the ActiveSync group help you monitor the state of Exchange ActiveSync by monitoring the Microsoft Exchange activesync events in application event log. Policies included in this group are:
 - EXSPI-8X/14X-ActiveSync-Errs
 - EXSPI-8X/14X-ActiveSync-Warn
 - EXSPI-8X/14X-ActiveSync-Info
 - EXSPI-8X/14X Get ActiveSync Connectivity
 - EXSPI-8X /14X -ASyncConnectivity_Latency
 - EXSPI-8X /14X -AsyncConnectivity_Result
- *AutoDiscover* - AutoDiscover group contains the policies that monitor the events logged into MExchange Autodiscover in the application event log. Policies included in this group are:
 - EXSPI-8X/14X Autodiscover-Err
 - EXSPI-8X/14X Autodiscover-Warn
- *File Distribution Service* - This group contains policies that monitor the performance of the File Distribution Service (FDS) on Client Access Server. Policies included in this group are:
 - EXSPI-8X/14X CAS Collect FDS Metrics
 - EXSPI-8X/14X-DownloadTasksCompleted-OAB-All
 - EXSPI-8X/14X-DownloadTaskQueued-OAB-All
 - EXSPI-8X/14X-DownloadTaskQueued-OAB-Total
- *IMAP4* - This group contains policies to monitor several conditions and settings of the IMAP4. Policies included in this group are:

- EXSPI-8X /14X IMAP4 Failed Connection Rate
- EXSPI-8X/ 14X IMAP4 Rejected Connection Rate
- EXSPI-8X / 14X Dc- IMAP4 Performance
- EXSPI-8X / 14X IMAP4 Connections
- EXSPI-8X / 14X -IMAP4
- EXSPI-8X/14X Get Imap Connectivity
- EXSPI-8X/14X-ImapConnectivity_Latency
- EXSPI-8X/14X-ImapConnectivity_Result
- **POP3** : This group contains the policies that monitor the performance, availability, and settings of POP3-based communications on a Client Access server. Policies included in this group are:
 - EXSPI-8X / 14X Dc-POP3 Performance
 - EXSPI-8X / 14X -POP3
 - EXSPI-8X / 14X POP3 Connections
 - EXSPI-8X / 14X POP3 Failed Connection Rate
 - EXSPI-8X / 14X POP3 Rejected Connection Rate
 - EXSPI-8X/14X Get PopConnectivity
 - EXSPI-8X/14X-PopConnectivity_Latency
 - EXSPI-8X/14X-PopConnectivity_Result
- **Information Worker** : This group includes the EXSPI-8X / 14X -InformationWorker policy.
- **Outlook WebAccess** : This group includes the following policies:
 - EXSPI-8X / 14X CAS-Evt-MSExchange OWA
 - EXSPI-8X Get OwaConnectivity
 - EXSPI-8X-OwaConnectivity_Latency
 - EXSPI-14X-OwaConnectivity_Result
- **Outlook Anywhere** : This group includes the following policies:
 - EXSPI-8X / 14X Check Outlook Anywhere Enabled
 - EXSPI-8X / 14X Check Outlook Anywhere Not Enabled

Related Topics

- Discovery
- Collection Definition
- Availability

- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI- 8X/14X_Check_CASExchangeServiceHostStatus

The EXSPI-8X/14X_Check_CASExchangeServiceHostStatus policy checks the status of the Microsoft Exchange Service Host.

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI- 8X/14X_Check_CASFileDistributionServiceStatus

The EXSPI-8X/14X_Check_CASFileDistributionServiceStatus policy monitors the status of the file distribution service (FDS) of the Microsoft Exchange Server.

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X_Check_IMAP4ServiceStatus

The EXSPI-8X/14X_Check_IMAP4ServiceStatus policy monitors the status of the imap4 service of the Microsoft Exchange Server.

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X_Check_POP3ServiceStatus

The EXSPI-8X/14X_Check_POP3ServiceStatus policy monitors the status of POP3 service of the Microsoft Exchange Server.

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X-ActiveSync-Errs

The EXSPI-8X/14X-ActiveSync-Errs policy monitors the errors logged into the application event log of the client access server by the source MExchange ActiveSync. The following events are notified to the HPOM console:

Event ID	Event Description
1027	Microsoft Exchange ActiveSync has run out of available connections.
1016	ActiveSync has encountered repeated failures while accessing data on the Mailbox server.
1038	The account does not have correct permissions to modify Exchange ActiveSync.
1015	Exchange ActiveSync encountered a transient error when it tried to access the Microsoft Active Directory information.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-ActiveSync-Warn

The EXSPI-8X/14X-ActiveSync-Warn policy monitors the warnings logged into the application event log of the client access server by the source MExchange ActiveSync. The following events listed in the table are notified to the HPOM console:

Event ID	Event Description
1012	The configuration value for the maximum number of folders to monitor for changes is invalid.
1032	The connection to mailbox on Mailbox Server failed.
1023	The mailbox server is offline.
1018	Context Indexing is enabled on the Mailbox server.
1008	An exception was caused by an outdated or corrupt Exchange ActiveSync device partnership.
1033	The setting in the Web.Config file is invalid.
1011	The configuration value for minimum heartbeat interval is too low.
1036	The Client Access server can proxy the Exchange ActiveSync Client request to the Microsoft Exchange Server.
1034	The Access server that issued a proxy request to another Client Access server timed out.
1009	The configuration value for the minimum heartbeat interval is set higher than the maximum heartbeat.
1035	The proxy request has failed due to an invalid SSL certificate.
1022	The connection between the Client Access server and Mailbox server has failed.
1010	The configuration value for the maximum heartbeat interval is set higher than the maximum allowed value.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers </
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-ActiveSync-Info

The EXSPI-8X/14X-ActiveSync-Info policy monitors the informational events logged into the application event log of the client access server by the source MExchange ActiveSync.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers </](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Autodiscover-Err

The EXSPI-8X/14X Autodiscover-Err policy monitors the errors logged into the application event log of the client access server by the source MExchange Autodiscover. The following events listed in the table are notified to the HPOM console:

Event ID	Event Description
2	The Exchange AutoDiscover service was unable to process anonymous requests from an Autodiscover client.
101	The Autodiscover service is unable to process any valid requests.
1	An unhandled exception occurred in Exchange Autodiscover.
1106	Providers could not be loaded for the Microsoft Exchange Autodiscover service.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **AutoDiscover**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Autodiscover-Warn

The EXSPI-8X/14X Autodiscover-Warn policy monitors the warnings logged into the application event log of the client access server by the source MExchange Autodiscover. The following events listed in the table are notified to the HPOM console:

Event ID	Event Description
1201	Client request is successfully processed by the Exchange Autodiscover service.
1108	The Exchange Autodiscover service failed to load the assembly.
1109	The loader that Autodiscover is using is not valid.
1110	The Autodiscover provider is unable to load the assembly because the assembly or DLL could be in an invalid format.
1111	Autodiscover is unable to load an assembly because it does not have appropriate access permissions.
1112	Autodiscover is unable to find an assembly or DLL that it is trying to reference.
1105	The provider specified in the client request and response schema could not be found.
1113	An invalid attribute was registered by the provider DLL with the Autodiscover service on the Client Access server.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **AutoDiscover**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get ActiveSync Connectivity

The EXSPI-8X/14X Get ActiveSync Connectivity policy gets the ActiveSync Connectivity details for the Client Access Server.

Policy type: Scheduled Task policy

Schedule: The policy runs every one hour.

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-ASyncConnectivity_Latency

The EXSPI-8X/14X-ASyncConnectivity_Latency policy monitors the ActiveSync Latency on the Server.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-ASyncConnectivity_Result

The EXSPI-8X/14X-ASyncConnectivity_Result policy monitors the status of the ActiveSync Connectivity.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **ActiveSync**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X CAS Collect FDS Metrics

The EXSPI-8X/14X CAS Collect FDS Metrics policy collects data from the following counters of the MExchangeFDS:OAB performance monitor object:

- Download Tasks Completed
- Download Task Queued

Data Logging

See Data Store details for data logging details of this policy.

Schedule: This policy runs every 15 minutes

Policy type: Measurement Threshold

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **File Distribution Service**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-DownloadTasksCompleted-OAB-All

The EXSPI-8X/14X-DownloadTasksCompleted-OAB-All policy monitors the Download Tasks Completed counter of the MExchangeFDS:OAB performance monitor object policy. If the value of the counter falls below one (which means no offline address books were downloaded), this policy sends an alert message of severity *Critical* to the message browser.

Schedule: This policy runs every hour

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **File Distribution Service**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-DownloadTasksQueued-OAB-All

The EXSPI-8X/14X-DownloadTasksQueued-OAB-All policy monitors the Download Tasks Queued counter of the MExchangeFDS:OAB performance monitor object. If the value of the counter exceeds one (which means at least one offline address book is queued), this policy sends an alert message of severity *Critical* to the message browser.

Schedule: This policy runs every 1 hour.

Policy type: Measurement Threshold

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Client Access Server** → **File Distribution Service**

Related Topics

- **Discovery**
- **Collection Definition**
- **Availability**
- **Client Access Servers**
- **ExBPA Integration**
- **Hub Transport Servers**
- **Edge Transport Servers**
- **Mailbox Servers**
- **Unified Messaging Server**

EXSPI-8X/14X-DownloadTaskQueued-OAB-Total

The EXSPI-8X/14X-DownloadTaskQueued-OAB-Total policy monitors the total instances of the Download Task Queued counter of the MExchangeFDS:OAB performance monitor objects. If the value of the counter exceeds five (which means at least five offline address books are queued), this policy sends an alert message of severity *Warning* to the message browser.

When the value exceeds 10, this policy sends an alert message of severity *Critical* to the message browser.

Schedule: This policy runs every hour

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **File Distribution Service**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X IMAP4 Failed Connection Rate

The EXSPI-8X/14X IMAP4Failed Connection Rate policy monitors the Connections Failed and Total Connections counters of the MExchangeIMAP4 performance monitor object.

This policy calculates the rate of the failed IMAP4 connections. If the rate exceeds the threshold value, this policy sends an alert message to the message browser.

Threshold: This policy has the following thresholds:

- Critical: 10
- Warning: 5

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en (ja)** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X IMAP4 Rejected Connection Rate

The EXSPI-8X/14X IMAP4Rejected Connection Rate policy monitors the Connections Rejected and Total Connections counters of the MExchangeIMAP4 performance monitor object.

This policy calculates the rate of rejected IMAP4 connections. If the rate exceeds the threshold value, this policy sends an alert message to the message browser.

Threshold: This policy has the following thresholds:

- Critical: 10
- Warning: 5

Schedule: This policy runs every 15 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en (ja)** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc- IMAP4 Performance

The EXSPI-8X/14X Dc- IMAP4 Performance policy collects the values of the following counters of the MExchangeIMAP4 performance monitor object:

- Total Connections
- Connections Failed
- Connections Rejected

Data Logging

See Data Store Details for data logging details of these policies.

Schedule: These policies run every hour.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → en (ja) → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Imap Connectivity

The EXSPI-8X/14X Get Imap Connectivity policy gets the Imap Connectivity details for the Client Access Server.

Policy type: Scheduled Task policy

Schedule: The policy runs every one hour.

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X IMAP4 Connections

The EXSPI-8X/14X IMAP4 Connections policy monitors the Current Connections counter of the MExchangeIMAP4 performance monitor object. If the value of the counter (which is the IMAP4 connection count) exceeds the threshold value, this policy sends an alert to the message browser.

Default Threshold: This policy has 200 as its threshold value.

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-IMAP4

The EXSPI-8X/14X-IMAP4 policy monitors the application event log for events from MExchangeIMAP4 event source.

If the following events as shown in the following table are logged into the application event log from the source MExchangeIMAP4, this policy sends alert messages to the message browser.

Event ID	Event Description
2004	An unexpected exception occurred when a command was processed in the user's mailbox.
2101	The folders that have the same name have been found in a mailbox.
2006	An exception occurred while converting message from MAPI to MIME format.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → en (ja) → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-ImapConnectivity_Latency

The EXSPI-8X/14X-ImapConnectivity_Latency policy monitors the IMAP4 latency on the server.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X-ImapConnectivity_Result

The EXSPI-8X/14X-ImapConnectivity_Result policy monitors the status of Imap connectivity.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **IMAP4**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Dc-POP3 Performance

The EXSPI-8X/14X Dc-POP3 Performance policy collects and logs the following counters of the MExchangePOP3 performance monitor object:

- RETR Total
- Connections Total
- Connections Failed
- Connections Rejected
- DELE Total

Data Logging

See Data Store Details for data logging details of this policy.

Schedule: This policy runs every hour.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Pop Connectivity

The EXSPI-8X/14X Get Pop Connectivity policy gets the Pop Connectivity details for the Client Access Server.

Policy type: Scheduled Task policy

Schedule: The policy runs every one hour.

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X-POP3

The EXSPI-8X/14X-POP3 policy monitors the application event log for events from MExchangePOP3 source on the Client Access Server. If specific events in the following table are logged into the application event log from MExchangePOP3 event source, this policy sends a notification to the HPOM message browser.

Event ID	Event Description
2004	An unexpected exception occurred when a command was processed in the user's mailbox.
2012	The POP3 service has disabled protocol logging on the Client Access server where the MExchangePOP3 service runs.

Policy type: Windows Event Log

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-PopConnectivity_Latency

The EXSPI-8X/14X-PopConnectivity_Latency policy monitors the POP3 latency on the server.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-PopConnectivity_Result

The EXSPI-8X/14X-PopConnectivity_Result policy monitors the status of the POP3 Connectivity.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X POP3 Failed Connection Rate

The EXSPI-8X/14X POP3 Failed Connection Rate policy monitors the percentage rate of the number of failed POP3 connections. This policy monitors the following counters of the MExchangePOP3 performance monitor object:

- Connections Failed
- Total Connections

This policy sends alert messages to the message browser when the rate exceeds the threshold values.

Schedule: This policy runs every 15 minutes.

Threshold: This policy has the following thresholds:

- **10:** Critical
- **5:** Warning

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X POP3 Connections

The EXSPI-8X/14X POP3 Connections policy monitors the number of users connected to a Client Access server through the POP3 protocol. It monitors the Connections Current counter of the MExchangePOP3 performance monitor object.

This policy sends a *Warning* message to the message browser when the value of the counter (which is the POP3 connection count) exceeds the threshold value.

Threshold: This policy has 200 as its threshold value.

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X POP3 Rejected Connection Rate

The EXSPI-8X/14X POP3 Rejected Connection Rate policy monitors the percentage rate of the number of rejected POP3 connections. The policy monitors the following counters of the MExchangePOP3 performance monitor object:

- Connections Rejected
- Total Connections

This policy sends alert messages to the message browser when the rate exceeds the threshold values.

Schedule: This policy runs every 15 minutes.

Default threshold: The policy has the following thresholds:

- Critical: 10
- Warning: 5

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-InformationWorker

The EXSPI-8X/14X-InformationWorker policy monitors the MExchange Availability event source on the Client Access Server. If specific events are logged into the application event log from MExchange Availability source, this policy sends a notification to the HPOM message browser.

Event ID	Event Description
4016	The Exchange Availability service did not log on as a network service.
4014	The Availability service could not contact the AD Directory Service to obtain the local server object.
4010	A proxy Web request failed one or more security checks at the Web service layer.
4001	The Autodiscover service could not discover Availability service running on a remote AD Directory Service forest.
4005	The configuration information for the current forest could not be found in Active Directory.
4006	One of the global services did not start.
4012	A cross-forest proxy request could not be initiated due to invalid credentials.
4011	The configuration for forest was not found in Active Directory.
4018	An exception occurred while attempting to locate a Client Access server to handle a request for e-mail address.
4015	The Availability service could not find the local security descriptor.
4017	No Client Access server was found to handle a request for e-mail address.
4003	The availability service could not successfully retrieve Schedule+ Free Busy data for one or more legacy Exchange mailboxes.
4002	The availability service could not successfully send a proxy Web request.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Information Worker**

Related Topics

- Discovery
- Collection Definition
- Availability

- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X CAS-Evt-MSEExchange OWA

The EXSPI-8X/14X CAS-Evt-MSEExchange OWA policy monitors the MSEExchange OWA event source on the Client Access Server. If specific events are logged into the application event log from MSEExchange OWA source, this policy sends a notification to the HPOM message browser.

Event ID	Event Description
1	Microsoft Office Outlook Web Access did not initialize because the forms registry folder referenced in the event description does not exist.
30	Internet Information Server (IIS) has been used to configure the authentication settings for the Outlook Web Access virtual directory. Outlook Web Access authentication settings should be configured only by using the Exchange Management Console or the Exchange Management Shell.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Outlook WebAccess**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Outlook Anywhere Enabled

The EXSPI-8X/14X Check Outlook Anywhere Enabled policy checks if Outlook Anywhere is enabled.

Schedule: Run this policy at 3 PM on Sundays.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Client Access Server** → **Outlook Anywhere**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Outlook Anywhere Not Enabled

The EXSPI-8X/14X Check Outlook Anywhere Not Enabled policy checks if Outlook Anywhere is not enabled.

Schedule: Run this policy at 4 PM on Sundays.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Client Access Server → Outlook Anywhere**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Owa Connectivity

The EXSPI-8X/14X Get Owa Connectivity policy collects the OWA connectivity details for the Client Access Server 2010.

Policy Type: Scheduled Task policy

Schedule: This policy runs every hour.

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Client Access Server → Outlook WebAccess**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-OwaConnectivity_Latency

The EXSPI-8X/14X-OwaConnectivity_Latency policy monitors the OWA latency on the server.

Policy Type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Client Access Server** → **Outlook WebAccess**

Related Topics:

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-14X-OwaConnectivity_Result

The EXSPI-14X-OwaConnectivity_Result policy monitors the status of the OWA connectivity.

Policy Type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2010** → **Manual Deploy Group** → **Client Access Server** → **Outlook WebAccess**

Related Topics:

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

ExBPA Integration

The ExBPA Integration group contains the tools that monitor and collect information from the Microsoft Exchange Best Practice Analyzer and forward the collected information to the HPOM management server. This group contains the following policies:

- EXSPI-8X/14X Forward ExBPA Event Log Errors
- EXSPI-8X/14X ExBPA Integration

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- Hub Transport Servers
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Forward ExBPA Event Log Errors

The EXSPI-8X/14X Forward ExBPA Event Log Errors policy forwards ExBPA event log errors to the HPOM console.

Policy Type : Windows Event Log policy

Policy group: **SPI for Exchange** → en (ja) → Exchange 2007 / Exchange 2010 → Manual Deploy Group → **ExBPA Integration**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X ExBPA Integration

The EXSPI-8X/14X ExBPA Integration policy calls the ExBPA command line utility. This process starts the Exchange Best Practices Analyzer tool and logs events in event log.

Deploy the EXSPI-8X/14X Forward ExBPA Event Log Errors policy to the node so that errors logged are forwarded to the console.

Schedule: This policy runs at 10.00 AM on Saturdays.

Policy Type : Scheduled Task policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **ExBPA Integration**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

Hub Transport Servers

The Hub Transport Server group includes the policies that monitor and manage the Exchange 2007/2010 nodes with the Hub Transport Server role. The policies in this group monitor the details related to the tracking log settings, SMTP performance, submission queue length, poison queue length, and so on.

This group contains the following policies in the following subgroups:

- *Availability* - This group includes the EXSPI-8X Monitor Hub Transport Server Services policy, which monitors states of the services that are necessary for a smooth functioning of the Hub Transport Server. This group contains the following policies:
 - EXSPI-8X/14X_Check_HUBExchangeEdgeSyncServiceStatus
 - EXSPI-8X/14X_Check_HUBExchangeTransportServiceStatus

This group also includes the following policies to monitor several event logs on the Hub Transport Server:

- EXSPI-8X/14X MExchange Store Driver Events
- EXSPI-8X/14X MExchange Messaging Policies Events
- EXSPI-8X/14X MExchange EdgeSync Events
- *SMTP* - The Microsoft Exchange SPI monitors the performance of the SMTP communication. Policies included in this group are:
 - EXSPI-8X/14X Dc-SMTP Performance for Inbound Connections
 - EXSPI-8X/14X Dc-SMTP Performance for Outbound Connections
- *SPAM and Blocked Mails* - This policy group contains policies that log details about the blocked and spam mails. Policies included in this group are:
 - EXSPI-8X /14X -Dc-HubAgentLogBlockedData
 - EXSPI-8X /14X -Dc-HubAgentLogBlockedRcpt
 - EXSPI-8X /14X -HubGetBlockedMailsCount
 - EXSPI-8X /14X -Dc-HubMonitorSPAMStatistics
 - EXSPI-8X /14X -HubMonitorBlockedMails
- *Transport Queues*: Policies included in this group are:
 - EXSPI-8X /14X DC Transport Queues
 - EXSPI-8X /14X Get Queue Data
 - EXSPI-8X /14X Hub Th-ActiveMailboxDelivery_QLength
 - EXSPI-8X /14X Hub Th-ActiveNon-SmtpDelivery_QLength
 - EXSPI-8X /14X Hub Th-ActiveRemoteDelivery_QLength

- EXSPI-8X /14X Hub Th-AggDel_QLength-All_Queuees
- EXSPI-8X /14X Hub Th-LargestDelivery_QLength
- EXSPI-8X /14X Hub Th-Poison_QLength
- EXSPI-8X /14X Hub Th-RetryMailboxDelivery_QLength
- EXSPI-8X /14X Hub Th-RetryNon-SmtpDelivery_QLength
- EXSPI-8X /14X Hub Th-RetryRemoteDelivery_QLength
- EXSPI-8X /14X Hub Th-Submission_QLength
- EXSPI-8X /14X Hub Th-Unreachable_QLength
- *Other Policies* : Other policies are:
 - EXSPI-8X /14X Get Configuration of the Transport Agent
 - EXSPI-8X /14X Check Tracking Log Settings
 - EXSPI-8X /14X Dc-Get Top Destination Details
 - EXSPI-8X /14X Dc-Get Top Recipient Details
 - EXSPI-8X /14X Dc-Get Top Sender Details
 - EXSPI-8X /14X Dc-Get Top Source Details
 - EXSPI-8X /14X HUB Transport DSN
 - EXSPI-8X /14X Hub Th-Delay DSNs
 - EXSPI-8X /14X Hub Th-FailureDSNsTotal

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Edge Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI- 8X/14X_Check_HUBExchangeEdgeSyncServiceStatus

The EXSPI-8X/14X_Check_HUBExchangeEdgeSyncServiceStatus policy monitors the states of the MExchangeEdgeSync service.

Interval: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI- 8X/14X_Check_HUBExchangeTransportServiceStatus

The EXSPI-8X/14X_Check_HUBExchangeTransportServiceStatus policy monitors the states of the MExchangeTransport service.

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X MExchange Store Driver Events

The EXSPI-8X/14X MExchange Store Driver Events policy monitors the application event log for MExchange Store Driver on the Hub Transport Server. If any events are logged into the application event log by the source MExchange Store Driver, this policy sends a notification to the HPOM message browser.

Policy type : Windows Events Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X MExchange Messaging Policies Events

The EXSPI-8X/14X MExchange Messaging Policies Events policies monitor the application event log for events from source MExchange Messaging Policies on the Hub Transport Server. If any events are logged into the application event log from the source MExchange Messaging Policies, this policy sends a notification to the HPOM message browser.

Policy type : Windows Events Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X MExchange EdgeSync Events

The EXSPI-8X/14X MExchange EdgeSync Events policy monitors the application event log for events from source MExchange EdgeSync on the Hub Transport Server. If any events are logged into the application event log from the source MExchange EdgeSync, this policy sends a notification to the HPOM message browser.

Policy type : Windows Events Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-SMTP Performance for Inbound Connections

The EXSPI-8X/14X Dc-SMTP Performance for Inbound Connections policy collects the following counters of the MExchangeTransport SmtprReceive performance monitor object. This policy monitors these counters:

- MessagesReceivedTotal
- MessageBytesReceivedTotal
- ConnectionsCurrent
- ConnectionsTotal
- BytesReceivedTotal

Schedule: This policy runs every hour.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SMTP**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-SMTP Performance for Outbound Connections

The EXSPI-8X/14X Dc-SMTP Performance for Outbound Connections policy collects the following counters of the MExchangeTransport SmtplibSend performance monitor object. This policy monitors these counters:

- MessagesSentTotal
- MessageBytesSentTotal
- ConnectionsCurrent
- ConnectionsTotal
- BytesSentTotal

Schedule: This policy runs every hour.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **SMTP**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Queue Data

The EXSPI-8X/14X Get Queue Data policy collects information related to the queue from the Hub Transport servers.

Schedule: This policy runs 1st, 16th, 31st, 46th minutes of every hour.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Get Configuration of the Transport Agent

The EXSPI-8X/14X Get Configuration of the Transport Agent policy collects information related to transport agents from the Hub Transport servers.

Schedule: Run this policy at 7 PM on Sundays.

Policy type : Scheduled task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Tracking Log Settings

The EXSPI-8X/14X Check Tracking Log Settings policy collects the names of Hub Transport servers where message tracking logs and message subject tracking logs are enabled.

Schedule: This policy runs every hour.

Policy type: Scheduled task policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Dc-Get Top Destination Details

The EXSPI-8X/14X Dc-Get Top Destination Details policy collects information about the messages sent to different destinations by the users in a particular site. This policy gathers the details from the message tracking logs on the hub transport server. This policy logs the total number of messages and the total number of bytes sent by the users in the local site to each destination.

**Note:**

This policy functions as expected *only* if message tracking logging is enabled on the hub transport server.

Schedule: This policy runs at 3.00 AM on Sundays.

**Note:**

Do *not* change the default schedule of this policy.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-Get Top Recipient Details

The EXSPI-8X/14X Dc-Get Top Recipient Details policy collects the information related to the message recipients from the Hub Transport servers.

This policy collects details about the total number of messages and the total number of bytes received by each user. This policy gathers these details from the message tracking logs on the hub transport servers.

**Note:**

These policies functions as expected *only* if message tracking logging is enabled on the hub transport server.

Schedule: This policy runs at 2.00 AM on Sunday.

**Note:**

Do *not* change the default schedule of this policy.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-Get Top Sender Details

The EXSPI-8X/14X Dc-Get Top Sender Details policy collects details about the total number of messages and total number of bytes sent by each user. This policy gathers these details from the message tracking logs on the hub transport server.

**Note:**

This policy functions as expected *only* if message tracking logging is enabled on the hub transport server.

Schedule: This policy runs at 1.00 AM on Sundays.

**Note:**

Do *not* change the default schedule of these policies.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-Get Top Source Details

The EXSPI-8X/14X Dc-Get Top Source Details policy collects information about the messages sent from the different sources to the users in a particular site. This policy gathers the details from the message tracking log on the hub transport server.

This policy logs the total number of messages and the total number of bytes sent from each source to the users in the local site, together with the source and site particulars.

**Note:**

These policies function as expected *only* if message tracking logging is enabled on the hub transport server.

Schedule: This policy runs at 4.00 AM on Sundays.

**Note:**

Do *not* change the default schedule of this policy.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X DC Transport Queues

The EXSPI-8X/14X Dc Transport Queues policy collects and stores the values of different counters of all instances of the MExchangeTransport Queues performance monitor object.

This policy collects the following counters of the MExchangeTransport Queues performance monitor object for all instances. This policy monitors these counters:

- Poison Queue Length
- Active Non-Smtp Delivery Queue Length
- Largest Delivery Queue Length
- Active Remote Delivery Queue Length
- Retry Mailbox Delivery Queue Length
- Submission Queue Length
- Aggregate Delivery Queue Length (All Queues)
- Active Mailbox Delivery Queue Length
- Unreachable Queue Length
- Retry Non-Smtp Delivery Queue Length
- Retry Remote Delivery Queue Length

Schedule: This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers

- Unified Messaging Server

EXSPI-8X/14X HUB Transport DSN

The EXSPI-8X/14X HUB Transport DSN policy collects the following counters of the MExchangeTransport DSN performance monitor object. This policy monitors these counters:

- Failure DSNs Total
- Delay DSNs

Schedule: This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-ActiveMailboxDelivery_QLength

The EXSPI-8X/14X Hub Th-ActiveMailboxDelivery_QLength policy monitors the value of the Active Mailbox Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 250
- Warning: 200

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-ActiveNon-SmtpDelivery_QLength

The EXSPI-8X/14X Hub Th-ActiveNon-SmtpDelivery_QLength policy monitors the value of the Active Non-Smtp Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default threshold : This policy has the following thresholds:

- Critical: 250
- Warning: 200

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-ActiveRemoteDelivery_QLength

The EXSPI-8X/14X Hub Th-ActiveRemoteDelivery_QLength policy monitors the value of the Active Remote Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Threshold : This policy has the following thresholds:

- Critical: 250
- Warning: 200

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-AggDel_QLength-All_Queues

The EXSPI-8X/14X Hub Th-AggDel_QLength-All_Queues policy monitors the value of the Aggregate Delivery Queue Length (All Queues) counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following threshold:

- Critical: 5000
- Warning: 3000

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-Delay DSNs

The EXSPI-8X and the EXSPI-14X Hub Th-Delay DSNs policies monitor the value of the Delay DSNs counter of the MExchangeTransport DSNs performance monitor object policy.

These policies send a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : These policies have the following thresholds:

- Critical: 20
- Warning: 10

Schedule : These policies run every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-FailureDSNsTotal

The EXSPI-8X/14X Hub Th-FailureDSNsTotal policy monitors the value of the Failure DSNs Total counter of the MExchangeTransport DSNs performance monitor object policy.

This policy send a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 40
- Warning: 30

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-Poison_QLength

The EXSPI-8X/14X Hub Th-Poison_QLength policy monitors the value of the Poison Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 2
- Warning: 1

Schedule : These policies run every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-LargestDelivery_QLength

The EXSPI-8X/14X Hub Th-LargestDelivery_QLength policies monitor the value of the Largest Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Threshold : This policy has the following thresholds:

- Critical: 250
- Warning: 200

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th- RetryMailboxDelivery_QLength

The EXSPI-8X/14X Hub Th-RetryMailboxDelivery_QLength policy monitors the value of the Retry Mailbox Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-RetryNon-SmtpDelivery_QLength

The EXSPI-8X/14X Hub Th-RetryNon-SmtpDelivery_QLength policy monitors the value of the Retry Non-Smtp Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th- RetryRemoteDelivery_QLength

The EXSPI-8X/14X Hub Th-RetryRemoteDelivery_QLength policy monitors the value of the Retry Remote Delivery Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-Submission_QLength

The EXSPI-8X/14X Hub Th-Submission_QLength policy monitors the value of the Submission Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Hub Th-Unreachable_QLength

The EXSPI-8X/14X Hub Th-Unreachable_QLength policy monitors the value of the Unreachable Queue Length counter of the MExchangeTransport Queues performance monitor object policy.

This policy sends a notification to the message browser when the counter value exceeds the threshold.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-HubAgentLogBlockedData

The EXSPI-8X/14X-Dc-HubAgentLogBlockedData policy stores the details about the mails that are blocked.

Schedule : Run this policy at 5 AM every day. Do *not* change the schedule of the policy as the collection of data takes a longer time.

You can schedule this policy at that time of the day when the load on the Microsoft Exchange server is low.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-HubAgentLogBlockedRcpts

The EXSPI-8X/14X-Dc-HubAgentLogBlockedRcpts policy logs the recipient details for the mails that are blocked.

Schedule: Run this policy at 6 AM every day. Do *not* change the schedule of the policy as the collection of data takes a longer time.

You can schedule this policy at that time of the day when the load on the Microsoft Exchange server is low.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-HubMonitorSPAMStatistics

The EXSPI-8X/14X-Dc-HubMonitorSPAMStatistics policy logs the number of spam mails rejected, quarantined, and deleted within two sampling intervals. It monitors and alerts when the total number of spam messages encountered between the intervals crosses the threshold.

Monitoring Details

This policy monitors the following performance counters:

- Messages Deleted.
- Messages Quarantined
- Messages Rejected

Performance object

This policy has MExchange Content Filter Agent as its performance object.

Default Threshold : This policy has the following default threshold:

- Critical: 200
- Warning 100

Schedule : This policy runs every 15 mins

Collecting data at frequent intervals causes high disk space. This policy performs two tasks of logging as well as monitoring which also affects its performance. Hence follow the default schedule or run it less frequently than specified in the default schedule to avoid the slow performance.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers

- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-HubMonitorBlockedMails

The EXSPI-8X/14X-HubMonitorBlockedMails policy monitors and alerts when the number of mails blocked within a certain time period crosses the threshold.

This policy has its source type as external. Hence this policy checks for the threshold when it receives the data from a collection that is invoked by the EXSPI-8X/14X-HubGetBlockedMailsCount policy.

Default Threshold : This policy has the following threshold:

- Critical: 200
- Warning: 100

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Hub Transport Server** → **SPAM and Blocked Mails**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-HubGetBlockedMailsCount

The EXSPI-8X/14X-HubGetBlockedMailsCount policy obtains the total number of mails that are blocked.

Schedule : This policy runs 3rd, 18th, 33rd, 48th Minutes of every hour.

Collecting data at frequent intervals causes high disk space. The cmdlet also takes some time to execute. Hence follow the default schedule or run it less frequently than specified in the default schedule to avoid the slow performance.

If the schedule of the policy is changed, then the command schedule needs to be mentioned in the collection also. For this,

- Open the Powershell Collection Configuration utility tool.
- Select the "GetAgentLogCount" metric set. The default command used is Get-AgentLogCount -NumOfMins 15 . Other parameters that passed are -NumOfDays and -NumofHours
- Change to the required schedule. Save it and redeploy the policy "EXSPI-8X/14X Spimetadata Versioning"

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Hub Transport Server → SPAM and Blocked Mails**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

Edge Servers

The Edge Server group includes the policies that help you monitor and manage the Microsoft Exchange 2007/2010 Server nodes with the edge transport role. The policies in this group monitor the details related to the message tracking settings and states of the services running on the edge transport server.

This group contains policies in the following subgroups:

- *Availability* - This group includes the following policies:
 - EXSPI-8X/14X Edge_Check_ADAMServiceStatus
 - EXSPI-8X/14X_Check_EdgeCredentialServiceStatus
 - EXSPI-8X/14X_Check_EDGEEExchangeTransportServiceStatus
 - EXSPI-8X/14X MExchange Messaging Policies
 - EXSPI-8X/14X Ed-MExchange EdgeSync-Errors and Warnings
 - EXSPI-8X/14X Ed-MExchange Message Security
- *Edge Transport Agent* - This group includes the following policies that help you collect metric data for several agents on the Edge Transport Servers, such as protocol analysis, Sender ID, Content Filter, and Sender Filter:
 - EXSPI-8X/14X Edge DC-MExchange Protocol Analysis Agent
 - EXSPI-8X/14X Edge DC-MExchange Sender ID Agent
 - EXSPI-8X/14X Edge DC-MExchange Sender Filter Agent
 - EXSPI-8X/14X Edge DC-MExchange Connection Filtering Agent
 - EXSPI-8X/14X Edge DC-MExchange Attachment Filtering
 - EXSPI-8X/14X Edge DC-MExchange Recipient Filter Agent
 - EXSPI-8X/14X Edge DC-MExchange Content Filter Agent
- *SPAM and Blocked Mails*: This group includes the following policies that log details about the blocked mails and spam mails:
 - EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData
 - EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpts
 - EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics
 - EXSPI-8X/14X-EdgeGetBlockedMailsCount
 - EXSPI-8X/14X-EdgeMonitorBlockedMails
- *SMTP* - This group includes the following policies to collect metric data for several counters of the performance monitor objects MExchangeTransport SmtptReceive and MExchangeTransport SmtptSend:
 - EXSPI-8X/14X Edge Dc-SMTP Perf Outbound Cnn

- EXSPI-8X/14X Edge Dc-SMTP Perf Inbound Cnn
- *Transport Queues*: This policy group contains the policies to monitor various Transport Queue Lengths. This group includes the following policies:
 - EXSPI-8X/14X Dc Transport Queues
 - EXSPI-8X /14X Edge Get Queue Data
 - EXSPI-8X /14X Edge Th-Active Mailbox Delivery Queue Length
 - EXSPI-8X /14X Edge Th-Active Remote Delivery Queue Length
 - EXSPI-8X /14X Edge Th-AggDelivery QLength-All_Queues
 - EXSPI-8X /14X Edge Th-Largest Delivery Queue Length
 - EXSPI-8X /14X Edge Th-Poison Queue Length
 - EXSPI-8X /14X Edge Th-Retry Non-SMTP Delivery Queue Length
 - EXSPI-8X /14X Edge Th-Submission Queue Length
 - EXSPI-8X /14X Edge Th-Unreachable Queue Length
- *Other Policies* - Other policies are:
 - EXSPI-8X /14X Check Tracking Log Settings
 - EXSPI-8X /14X Edge Get Configuration of the Transport Agent
 - EXSPI-8X /14X Edge Th-Delay DSNs
 - EXSPI-8X /14X Edge Th-Failure DSNs Total

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X_Check_ADAMServiceStatus

The EXSPI-8X/14X_Check_ADAMServiceStatus policy monitors the various states of the ADAM_MSExchange service.

Interval: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_EdgeCredentialServiceStatus

The EXSPI-8X/14X_Check_EdgeCredentialServiceStatus policy monitors the various states of the EdgeCredentialSvc service.

Interval: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI- 8X/14X_Check_EDGEExchangeTransportServiceStatus

The EXSPI-8X/14X_Check_EdgeExchangeTransportServiceStatus policy monitors the various states of the MExchangeTransport service.

Interval: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X MExchange Messaging Policies

The EXSPI-8X/14X MExchange Messaging policy monitors the error and warning events logged by the source MExchange Messaging Policies in the application event log on the edge transport server. If a critical or warning event is logged from the MExchange Messaging Policies source, the EXSPI-8X/14X MExchange Messaging policy sends a notification to the HPOM message browser with the event ID and description.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Ed-MSEExchange Message Security

The EXSPI-8X/14X Ed-MSEExchange Message Security policy monitors the error and warning events logged by the source MSEExchange Message Security in the application event log on the edge transport server. If a critical or warning event is logged from the MSEExchange Message Security source, the EXSPI-8X/14X Ed-MSEExchange Message Security policy sends a notification to the HPOM message browser with the event ID and description.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Attachment Filtering

The EXSPI-8X/14X Edge DC-MSEExchange Attachment Filtering policy collects data from different counters of the MSEExchange Attachment Filtering performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Attachment Filtering policy collects the values of the following counters of the MSEExchange Attachment Filtering performance monitor object. This policy monitors these counters:

- Messages Attachment Filtered
- Messages Filtered/sec

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Protocol Analysis Agent

The EXSPI-8X/14X Edge DC-MSEExchange Protocol Analysis Agent policy collects data from several counters of the MSEExchange Protocol Analysis Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Protocol Analysis Agent policy collects the values of the following counters of the MSEExchange Protocol Analysis Agent performance monitor object. This policy monitors these counters:

- Senders Blocked Because of Remote Open Proxy
- Senders Blocked Because of Remote SRL
- Senders Processed
- Senders Blocked Because of Local Open Proxy
- Senders Bypass Local SRL calculation
- Senders Blocked Because of Local SRL

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Ed-MSEExchange EdgeSync-Errors and Warnings

The EXSPI-8X/14X Ed-MSEExchange EdgeSync-Errors and Warnings policy monitors the error and warning events logged by the source MSEExchange EdgeSync in the application event log on the edge transport server. If a critical or warning event is logged from the MSEExchange EdgeSync source, this policy sends a notification to the HPOM message browser with the event ID and description.

Policy type: Windows Event Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Sender ID Agent

The EXSPI-8X/14X Edge DC-MSEExchange Sender ID Agent policy collects data from several counters of the MSEExchange Sender ID Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Sender ID Agent policy collects the following counters of the MSEExchange Sender ID Agent performance monitor object. This policy monitors these counters:

- Messages Validated with a TempError Result
- Messages Validated
- Messages Validated with a Fail - Non-existent Domain Result
- Messages Validated with a Pass Result
- Messages Validated with a PermError Result
- Messages Validated with a Fail - Not Permitted Result
- Messages Validated with a Fail - Malformed Domain Result
- Messages Missing Originating IP
- Messages Validated with a Neutral Result
- Messages Validated with a SoftFail Result
- Messages With No PRA
- Messages That Bypassed Validation
- Messages Validated with a None Result

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability

- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Sender Filter Agent

The EXSPI-8X/14X Edge DC-MSEExchange Sender Filter Agent policy collects data from different counters of the MSEExchange Sender Filter Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Sender Filter Agent policy collects the following counters of the MSEExchange Sender Filter Agent performance monitor object. This policy monitors these counters:

- Messages Evaluated by Sender Filter
- Messages Filtered by Sender Filter

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Connection Filtering Agent

The EXSPI-8X/14X Edge DC-MSEExchange Connection Filtering Agent policy collects data from different counters of the MSEExchange Connection Filtering Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Connection Filtering Agent policy collects the following counters of the MSEExchange Connection Filtering Agent performance monitor object. This policy monitors these counters:

- Connections on IP Block List
- Connections on IP Allow List
- Connections on IP Block List Providers
- Connections on IP Allow List Providers

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Content Filter Agent

The EXSPI-8X/14X Edge DC-MSEExchange Content Filter Agent policy collects data from several counters of the MSEExchange Content Filter Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Content Filter Agent policy collects the following counters of the MSEExchange Content Filter Agent performance monitor object. This policy monitors these counters:

- Messages Scanned
- Messages with SCL 0
- Messages with SCL 9
- Messages with SCL 6
- Messages with SCL 3
- Messages Quarantined
- Messages with SCL
- Messages Deleted
- Messages that Bypassed Scanning
- Messages with SCL 1
- Messages with SCL 5
- Messages with SCL 7
- Messages with SCL 4
- Messages Rejected
- Messages with SCL 8

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery

- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge DC-MSEExchange Recipient Filter Agent

The EXSPI-8X/14X Edge DC-MSEExchange Recipient Filter Agent policy collects data from different counters of the MSEExchange Recipient Filter Agent performance monitor object.

Collection Details

The EXSPI-8X/14X Edge DC-MSEExchange Recipient Filter Agent policy collects the following counters of the MSEExchange Recipient Filter Agent performance monitor object. This policy monitors these counters:

- Recipients Rejected by Block List
- Recipients Rejected by Recipient Validation

Schedule: This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Edge Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Dc-SMTP Perf Outbound Cnn

The EXSPI-8X/14X Edge Dc-SMTP Perf Outbound Cnn policy collects data from different counters of the MExchangeTransport SmtPsend performance monitor object.

Data Logging

See Data Store Details for data logging details of this policy.

Collection Details

This policy collects the following counters of the MExchangeTransport SmtPsend performance monitor object. This policy monitors these counters:

- Counter Name
- Messages Sent Total
- Message Bytes Sent Total
- Connections Current
- Connections Total
- Bytes Sent Total

Schedule: This policy runs every hour.

Policy type: Measurement Threshold policy

Policy group: SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Dc-SMTP Perf Inbound Cnn

The EXSPI-8X/14X Edge Dc-SMTP Perf Inbound Cnn policy collects data from different counters of the MSExchangeTransport Smtperceive performance monitor object.

Data Logging

See Data Store Details for data logging details of this policy.

Collection Details

This policy collects the following counters of the MSExchangeTransport Smtperceive performance monitor object. This policy monitors these counters:

- Messages Sent Total
- Message Bytes Sent Total
- Connections Current
- Connections Total
- Bytes Sent Total

Schedule: This policy runs every hour,

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Tracking Log Settings

The EXSPI-8X/14X Check Tracking Log Settings policy collects the details related to the names and states of Edge Transport servers on which message tracking logs and message subject tracking logs are enabled.

Schedule: Run this policy at 5 PM on Sundays.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Get Configuration of the Transport Agent

The EXSPI-8X/14X Edge Get Configuration of the Transport Agent policy collects and stores the details of the transport agent on the Edge Transport Server.

Collection Details

The EXSPI-8X/14X Edge Get Configuration of the Transport Agent policy collects the following metrics of the transport agent:

- Priority
- Enabled
- Identity

Schedule : Run this policy at 8 PM on Sundays.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Queue Data

The EXSPI-8X/14X Get Queue Data policy collects and stores the details of the queue on the Edge Transport Server.

Collection details

This policy collects the following metrics of the transport agent. This policy monitors these counters:

- DeliveryType
- NextHopConnector
- NextHopDomain
- MessageCount
- LastError
- Identity

Schedule: This policy runs 1st, 16th, 31st, 46th Minutes of every hour.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc Transport Queues

The EXSPI-8X/14X Dc Transport Queues policy collects and stores the values of different counters of all instances of the MExchangeTransport Queues performance monitor object.

Collection Details

This policy collects the following counters of the MExchangeTransport Queues performance monitor object (for all the instances). This policy monitors these counters:

- Active Non-SMTP Delivery Queue Length
- Retry Non-SMTP Delivery Queue Length
- Active Mailbox Delivery Queue Length
- Submission Queue Length
- Aggregate Delivery Queue Length (All Queues)
- Unreachable Queue Length
- Retry Remote Delivery Queue Length
- Poison Queue Length
- Largest Delivery Queue Length
- Retry Mailbox Delivery Queue Length
- Active Remote Delivery Queue Length

Schedule: This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers

- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Active Mailbox Delivery Queue Length

The EXSPI-8X/14X Edge Th-Active Mailbox Delivery Queue Length policy monitors the Active Mailbox Delivery Queue Length counter of the total instances of the MExchangeTransport Queues performance monitor object. If the Active Mailbox Delivery Queue Length exceeds the threshold, this policy sends alerts to the message browser.

Default threshold: This policy has the following thresholds:

- Critical: 250
- Warning : 200

Schedule: This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Active Remote Delivery Queue Length

The EXSPI-8X/14X Edge Th-Active Remote Delivery Queue Length policy monitors the Active Remote Delivery Queue Length counter of the _Total instance of the MExchangeTransport Queues performance monitor object. If the Active Remote Delivery Queue Length exceeds the threshold, this policy sends an alert to the message browser.

Default threshold: This policy has the following thresholds:

- Critical : 250
- Warning: 200

Schedule: This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-AggDelivery QLength-All_Queues

The EXSPI-8X/14X Edge Th-AggDelivery QLength-All_Queues policy monitors the Aggregate Delivery Queue Length (All Queues) counter of the total instances of the MExchangeTransport Queues performance monitor object. When the count of Aggregate Delivery Queue Length (All Queues) exceeds the threshold, this policy sends an alert to the message browser.

Default threshold: This policy has the following thresholds:

- Critical: 5000
- Warning: 3000

Schedule: This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Delay DSNs

The EXSPI-8X/14X Edge Th-Delay DSNs policy monitors the value of the Delay DSNs counter of the Internal instance of the MExchangeTransport DSN performance monitor object .

Default threshold: This policy has the following thresholds:

- Critical: 20
- Warning: 10

Schedule: This policy runs every 5 minutes

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Failure DSNs Total

The EXSPI-8X/14X Edge Th-Failure DSNs Total policy monitors the Failure DSNs Total counter of the Internal instance of the MExchangeTransport DSN performance monitor object.

Default threshold: This policy has the following thresholds:

- Critical: 40
- Warning: 30

Schedule: This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Largest Delivery Queue Length

The EXSPI-8X/14X Edge Th-Largest Delivery Queue Length policy monitors the Largest Delivery Queue Length counter of the Total_ instance of the MExchangeTransport DSN performance monitor object.

Schedule : This policy runs every 5 minutes.

Threshold : This policy has the following thresholds:

- **250**: Critical
- **200**: Warning

Policy type : Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Poison Queue Length

The EXSPI-8X/14X Edge Th-Poison Queue Length policy monitors the Poison Queue Length counter of the total instance of the MExchangeTransport Queues performance monitor object. When the Poison Message queue-length count exceeds the threshold, this policy sends an alert to the message browser.

Default threshold : This policy has the following thresholds:

- Critical: 5
- Warning: 1

Schedule : This policy runs every 5 minutes.

Policy type: Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Retry Non-SMTP Delivery Queue Length

The EXSPI-8X/14X Edge Th-Retry Non-SMTP Delivery Queue Length policy monitors the Retry Non-SMTP Delivery Queue Length counter of the total instances of the MExchangeTransport Queues performance monitor object. When the Retry Non-SMTP Delivery-Queue length exceeds the threshold, this policy sends an alert to the message browser.

Default threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Submission Queue Length

The EXSPI-8X/14X Edge Th-Submission Queue Length policy monitors the Submission Queue Length counter of the total instances of the MExchangeTransport Queues performance monitor object. When the submission queue-length count exceeds the threshold, this policy sends an alert to the message browser.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Edge Th-Unreachable Queue Length

The EXSPI-8X/14X Edge Th-Unreachable Queue Length policy monitors the Unreachable Queue Length counter of the _Total instance of the MExchangeTransport Queues performance monitor object. It monitors the count of the available messages in the unreachable queue.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 75

Schedule : This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Queues**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData

The EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData policy stores the details about the mails that are blocked.

Data Logging

See Data Store Details for data logging details of this policy.

Schedule: Run this policy at 5 AM every day. Do *not* change the schedule of this policy as the collection of data takes a longer time.

You can schedule this policy at that time of the day when the load on the Microsoft Exchange server is low.

Policy type: Scheduled Task

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpts

The EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpts policy logs the recipient details for the mails that are blocked.

Data Logging

See Data Store Details for data logging details of this policy.

Schedule: Run this policy at 6 AM every day. Do *not* change the schedule of the policy as the collection of data takes a longer time.

You can schedule this policy at that time of the day when the load on the Microsoft Exchange server is low.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics

The EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics policy logs the number of spam mails rejected, quarantined, and deleted within two sampling intervals. It monitors and alerts when the total number of spam messages encountered between the intervals crosses the threshold.

Data Logging

See Data Store Details for data logging details of this policy.

Monitoring Details

This policy monitors the following performance counters:

- Messages Deleted
- Messages Quarantined
- Messages Rejected

Performance Object

The performance object of this policy is MExchange Content Filter Agent.

Default Threshold: This policy has the following default threshold:

- Critical: 200
- Warning: 100

Schedule: This policy runs every 15 minutes.

Collecting data at frequent intervals causes high disk space. This policy performs two tasks of logging as well as monitoring which also affects its performance. Hence follow the default schedule or run it less frequently than specified in the default schedule to avoid the slow performance.

Policy type : Measurement Threshold policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → Transport Agent

Related Topics

- Discovery
- Collection Definition
- Availability

- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-EdgeMonitorBlockedMails

The EXSPI-8X/14X-EdgeMonitorBlockedMails policy monitors and alerts when the number of mails blocked within a certain time period crosses the threshold.

This policy has its source type as external. Hence this policy checks for the threshold when it receives the data from a collection that is invoked by the EXSPI-8X/14X-EdgeGetBlockedMailsCount policy.

Data Logging

See Data Store Details for data logging details of this policy.

Default Threshold: This policy has the following default threshold:

- Critical: 200
- Warning: 100

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Edge Server** → **Transport Agent**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-EdgeGetBlockedMailsCount

The EXSPI-8X/14X-EdgeGetBlockedMailsCount policy obtains the total number of mails that are blocked.

Data Logging

See Data Store Details for data logging details of this policy.

Schedule: This policy runs 4th, 19th, 34th, 49th Minutes of every hour.

Collecting data at frequent intervals causes high disk space. The cmdlet also takes some time to execute. Hence follow the default schedule or run it less frequently than specified in the default schedule to avoid the slow performance.

If the schedule of the policy is changed, then the command schedule needs to be mentioned in the collection also. For this,

- Open the Powershell Collection Configuration utility tool.
- Select the "GetAgentLogCount" metric set. The default command used is Get-AgentLogCount -NumOfMins 15. Other parameters that passed are -NumOfDays and -NumofHours
- Change to the required schedule. Save it and redeploy the policy "EXSPI-8X/14X Spimetadata Versioning"

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Edge Server → SPAM and Blocked Mails**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

Mailbox Servers

The MailboxServer group includes the policies that monitor and manage the Exchange 2007/2010 nodes with the mailbox server role. The policies in this group monitor the details related to the mailbox performance, replication activity, MAPI connectivity, and Information Store and Outlook client latency.

This group contains the policies in the following subgroups:

- *Availability* - This group includes the following policies:
 - EXSPI-8X/14X_Check_InformationStoreServiceStatus
 - EXSPI-8X /14X _Check_MailboxAssistantServiceStatus
 - EXSPI-8X /14X _Check_MailSubmissionServiceStatus
 - EXSPI-8X /14X _Check_MBExchangeServiceHostStatus
 - EXSPI-8X /14X _Check_ReplicationServiceStatus
 - EXSPI-8X /14X _Check_SystemAttendantStatus
 - EXSPI-8X /14X Forward MExchangeSA Errors
 - EXSPI-8X /14X Forward MExchangeAL Errors
 - EXSPI-8X /14X MExchange MailSubmission Events
- *High Availability* - The High Availability group monitors the state of high availability of mailbox servers. The policies included in the High Availability group monitor the performance of the following high availability features of Microsoft Exchange 2007/2010 Server:
 - Local Continuous Replication (LCR)
 - Cluster Continuous Replication (CCR)
 - Standby Continuous Replication (SCR)

 **Note:**

You must deploy all the policies that belong to the High Availability group on the nodes that host the Storage Groups for the replication activity.

Policies that are included in this group are:

- EXSPI-8X/14X Dc Replication Summary
- EXSPI-8X /14X _ReplicationReplayQueueLength
- EXSPI-8X /14X _ReplicationCopyQueueLength
- EXSPI-8X /14X Replication Warnings in Application Event Log

- EXSPI-8X /14X Replication Errors in Application Event Log
- EXSPI-8X /14X Check Replication Service
- *Assistants* - This group includes the EXSPI-8X /14X -MailboxServer-Assistants policy.
- *Mail Submission* - This group includes the EXSPI-8X /14X -Mailbox-MailSubmission policy.
- *Mailbox* - This group contains the policies that monitor performance related to message delivery and special settings of the Mailbox servers. This group includes:
 - EXSPI-8X /14X Get Mailbox Details
 - EXSPI-8X /14X Get Mailbox IS Sum Data
 - EXSPI-8X /14X Dc-IS Mailbox Performance
 - EXSPI-8X /14X IS Mailbox Receive Queue Length
 - EXSPI-8X /14X Check Circular Logging Enabled
 - EXSPI-8X /14X Check If Circular Logging Disabled
 - EXSPI-8X /14X IS Mailbox Average Delivery Time
- *Mail Flow*: This group includes the following policies:
 - EXSPI-8X /14X Dc-GetMailFlowLatency
 - EXSPI-8X/14X-MailFlowStatus_Latency
 - EXSPI-8X/14X-MailFlowStatus_Result
- *MAPI* - This group contains policies that monitor the performance of MAPI-based communications on a Mailbox server. This group includes:
 - EXSPI-8X /14X Test Mapi Connectivity
 - EXSPI-8X /14X Information Store RPC Requests
 - EXSPI-8X /14X Information Store RPC Operations
 - EXSPI-8X /14X Information Store RPC Average Latency
 - EXSPI-8X/14X-MapiConnectivity_Latency
 - EXSPI-8X/14X-MapiConnectivity_Result
 - EXSPI-8X/14X Get Mapi Connectivity
- *Outlook Performance* - This group contains policies to monitor Outlook performance on a Mailbox server. This group includes:
 - EXSPI-8X /14X Outlook Client RPC Failure Rate
 - EXSPI-8X /14X Outlook Client Latency
 - EXSPI-8X /14X Dc-Outlook Client
- *Performance* - This group contains policies that monitor the health and performance of the Information Store. This

group includes:

- EXSPI-8X /14X Dc-Information Store Performance
- EXSPI-8X /14X Information Store Db Cache Size
- EXSPI-8X /14X Information Store Db Cache Size in MB
- EXSPI-8X Information Store Db Log Record Stall per sec
- EXSPI-8X /14X Information Store VM 16MB Blocks
- EXSPI-8X /14X Information Store VM Largest Block
- EXSPI-8X /14X Information Store VM Large Block Bytes
- EXSPI-8X /14X Information Store Additional Heaps
- EXSPI-8X /14X Information Store Heap Memory Errors
- EXSPI-8X /14X Information Store Db Log Threads Waiting
- EXSPI-8X /14X Information Store Memory Errors
- EXSPI-8X /14X Information Store Db Log Writes per sec
- EXSPI-8X /14X Information Store User Count
- *Public Folder* - This group contains policies that monitor the performance of public folders. This group includes:
 - EXSPI-8X /14X Get Public Folder Details
 - EXSPI-8X /14X Get Public IS Sum Data
 - EXSPI-8X /14X Dc-IS Public Folder Performance
 - EXSPI-8X /14X IS Public Average Delivery Time
 - EXSPI-8X /14X IS Public Receive Queue Length
 - EXSPI-8X /14X IS Public Replication Queue Length

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Servers
- Unified Messaging Server

EXSPI-8X/14X-MailboxServer-Assistants

The EXSPI-8X/14X-MailboxServer-Assistants policy monitors the MExchangeMailboxAssistants event source on the mailbox server. This policy sends a notification to the HPOM message browser if an event with the ID 10008, 10009, 9015, 9023, or 9035 is logged from the MExchangeMailboxAssistants event source. The following table lists the event IDs.

Event ID	Event Description
10009	The managed folder mailbox assistant has processed all the mailboxes on the server.
10008	The retention policy folder in the mailbox will be applied.
9015	The database, which is specified in the event description, does not contain a system mailbox.
9023	The time-based Microsoft Exchange Assistants did not start to process the mailboxes during a specified time span.
9035	All the mailboxes for a given database were not processed by the time-based Exchange Assistants within a specified time span.

Policy type : Windows Event Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Assistants**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_InformationStoreServiceStatus

The EXSPI-8X/14X_Check_InformationStoreServiceStatus policy monitors the status of the MExchangeIS service.

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI- 8X/14X_Check_MailboxAssistantServiceStatus

The EXSPI-8X/14X_Check_MailboxAssistantServiceStatus policy monitors the status of the MExchangeMailboxAssistants service.

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X_Check_MailSubmissionServiceStatus

The EXSPI-8X/14X_Check_MailSubmissionServiceStatus policy monitors the status of Microsoft Exchange Mail Submission Service.

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_MBExchangeServiceHostStatus

The EXSPI-8X/14X_Check_MBExchangeServiceHostStatus policy monitors the status of the MExchangeServiceHost.

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_ReplicationServiceStatus

The EXSPI-8X/14X_Check_ReplicationServiceStatus policy monitors the status of MExchangeRepl service.

Schedule: This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_SystemAttendantStatus

The EXSPI-8X/14X_Check_SystemAttendantStatus policy monitors the status of MExchangeSA service.

Schedule: This policy runs every 5 minutes

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Forward MExchangeSA Errors

The EXSPI-8X/14X Forward MExchangeSA Errors policy monitors the event source MExchangeSA on the mailbox server. If an error is logged into the MExchangeSA source, this policy sends a notification to the HPOM message browser.

Policy type: Windows Events Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Forward MExchangeAL Errors

The EXSPI-8X/14X Forward MExchangeAL Errors policy monitors the event source MExchangeAL on the mailbox server. If an event is logged from the MExchangeAL source, this policy sends a notification to the HPOM message browser.

Policy type: Windows Events Log policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X MExchange MailSubmission Events

The EXSPI-8X/14X MExchange MailSubmission Events policy monitors the source MExchangeMailSubmission on the mailbox server. If an event is logged from the MExchangeMailSubmission source, this policy sends a notification to the HPOM message browser with the event ID.

Policy type : Windows Events Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Availability**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc Replication Summary

The EXSPI-8X/14X Dc Replication Summary policy collects the status of replication in the monitored Microsoft Exchange 2007/2010 Server environment and stores the collected data into the data store.

Collection Details

This policy monitors the values of the following metrics (metrics collected from the `Get-Replicationage` cmdlet) from the Mailbox servers that participate in Microsoft Exchange data replication:

Metric Name	Description
SummaryCopyStatus	<ul style="list-style-type: none"> The Microsoft Exchange SPI sends an alert of the severity Major when this metric value is Disabled. The Microsoft Exchange SPI sends an alert of the severity Critical when this metric value is Failed or stopped.
Failed	The Microsoft Exchange SPI sends an alert of the severity Critical when this metric value is True.
Suspend	The Microsoft Exchange SPI sends an alert of the severity Critical when this metric value is True.
Seeding	The Microsoft Exchange SPI sends an alert of the severity Normal when this metric value is True.
ReplicatedInspectedAge	The Microsoft Exchange SPI sends an alert of the severity Normal when this metric value is greater than one.
ReplicatedAvailableAge	The Microsoft Exchange SPI sends an alert of the severity Normal when this metric value is greater than one.

Schedule: This policy runs 7th Minute of every hour.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers

- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X ReplicationReplayQueueLength

The EXSPI-8X/14X ReplicationReplayQueueLength policy checks the queue length of replication replay. If the length exceeds 20KB, this policy sends a message alert to the message browser.

Default Threshold: The default threshold of this policy is 20.

Policy Type : Measurement Threshold policy

Policy group : **SPI for Exchange → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Mailbox Server → High Availability → Replication Monitoring**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X ReplicationCopyQueueLength

The EXSPI-8X/14X ReplicationCopyQueueLength policy checks the queue length of replication copy. If the length exceeds 5KB, this policy sends a message alert to the message browser.

Default Threshold: The default threshold of this policy is 5.

Policy Type : Measurement Threshold policy

Policy group : **SPI for Exchange → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Mailbox Server → High Availability → Replication Monitoring**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Replication Warnings in Application Event Log

The EXSPI-8X/14X Replication Warnings in Application Event Log policy collects replication errors from the event log.

Policy Type : Windows Event Log policy

Policy group : **SPI for Exchange** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Mailbox Server** → **High Availability** → **Replication Monitoring**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Replication Errors in Application Event Log

The EXSPI-8X/14X Replication Errors in Application Event Log policy collects replication errors from the event log.

Policy type : Windows Event Log policy

Policy group : **SPI for Exchange** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Mailbox Server** → **High Availability** → **Replication Monitoring**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Replication Service

The EXSPI-8X/14X Check Replication Service policy checks the availability of replication service on cluster nodes. If the service is stopped, this policy sends a critical message alert to the message browser.

Schedule: This policy runs every minute.

Policy type : Windows Management Interface policy

Policy group : **SPI for Exchange → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Mailbox Server → High Availability → Replication Monitoring**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-Mailbox-MailSubmission

The EXSPI-8X/14X-Mailbox-MailSubmission policy monitors the MExchangeMailSubmission event source on the mailbox server. This policy sends a notification to the HPOM message browser if an event with the ID 1002, 1003, 1004, 1005, 1007, 1008, 1009, or 1010 is logged into the MExchangeMailSubmission event source.

Policy type : Windows Events Log policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mail Submission**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Test Mapi Connectivity

The EXSPI-8X/14X Test Mapi Connectivity policy collects metrics with the help of the Test-MAPICConnectivity cmdlet. You can test the MAPI connectivity latency and error by deploying this policy. The default MAPI connectivity latency is set to 10. If the MAPI connectivity latency exceeds this threshold or if an error occurs during this test, this policy sends an alert message to the HPOM message browser. You can change this MAPI connectivity latency threshold with the PowerShell collection configuration utility.

Threshold value: To set a new threshold for MAPI connectivity latency, perform the following tasks:

1. Change the threshold value

1. Click the EXSPI Configuration Utility.
2. In the left pane, expand **Collection Components** → **OpCMsg Calls** .
3. In the left pane, click **TestMapiLatency** .
4. In the right pane, click **Delete** to delete the existing rule to compare the actual latency with the threshold 10.
5. Select **TestMapiConnectivity** from the MetricSetRef drop-down box.
6. Select **Latency** from the MetricRef drop-down box.
7. Select **GreaterThanOrEqualTo** from the Select Arithmetic Operator drop-down box.
8. Set the threshold value in the Value to compare box.
9. Click **Add** .
10. Click **Apply Changes** .
11. Click **File** → **Save** .

2. Identify nodes

1. Identify the nodes on which you want to run the test.
2. Deploy the EXSPI-8X/14X SPIMetaDataVersioning Policy on the selected nodes.

3. Deploy the policy

Deploy the EXSPI-8X/14X Test Mapi Connectivity policy on the identified nodes and check if the latency is within the set threshold.

Schedule: This policy runs 57th minute of every hour.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Mapi Connectivity

The EXSPI-8X/14X Get Mapi Connectivity policy collects the MAPI connectivity details for the Mailbox Server.

Policy type : Scheduled Task policy

Schedule: This policy runs every hour.

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X MapiConnectivity_Latency

The EXSPI-8X/14X MapiConnectivity_Latency policy monitors the MAPI latency on the server.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X MapiConnectivity_Result

The EXSPI-8X/14X MapiConnectivity_Result policy monitors the status of MAPI connectivity.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Information Store RPC Requests

The EXSPI-8X/14X Information Store RPC Requests policy monitors the RPC Requests counter of the MExchangeIS performance object. If the number of Information Store RPC requests exceeds the threshold value, this policy sends alert messages to the HPOM message browser.

Default Threshold : This policy has the following thresholds:

- Critical: 70
- Warning: 50

Schedule : This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store RPC Operations

The EXSPI-8X/14X Information Store RPC Operations policy monitors the RPC Operations/sec counter of the MExchangeIS performance object. If the number of Information Store RPC operations per second exceeds the threshold value, this policy sends alert messages to the HPOM message browser.

Default Threshold : This policy has the following thresholds:

- Critical: 3
- Warning: 1

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store RPC Average Latency

The EXSPI-8X/14X Information Store RPC Average Latency policy monitors the RPC Average Latency counter of the MExchangeIS performance object. If the number of Information Store RPC average latency exceeds the threshold value, this policy sends alert messages to the HPOM message browser.

Threshold : This policy has the following thresholds:

- Critical: 25
- Warning: 18

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **MAPI**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Mailbox Details

The EXSPI-8X/14X Get Mailbox Details policy monitors the total item size of the mailbox and sends appropriate alert messages in the event of threshold violation. Besides monitoring the total item size of the mailbox, this policy also collects the values of several metrics returned by the GetMailboxStatistics cmdlet and store the values into the data store.

Schedule: This policy runs at 1.00 AM on Saturdays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mailbox**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Get Mailbox IS Sum Data

The EXSPI-8X/14X Get Mailbox IS Sum Data policy collects the values of several metrics returned by the GetMailboxStoreSummary cmdlet and stores the values into the data store.

Collection Details

The Microsoft Exchange SPI stores the metric values collected by the EXSPI-8X Get Mailbox IS Sum Data policy in the **EX2007_MBSUMMARY / EXSPI_MBSUMMARY** table into the data store. This policy logs the metric values into the following columns in the **EX2007_MBSUMMARY / EXSPI_MBSUMMARY** table:

- EDBFileSize
- Identity
- MessageCount
- ServerName
- EDBDriveFree
- UserCount
- EDBDriveTotal
- DatabaseName
- EDBPath
- StorageGroupName

Schedule: This policy runs at 7.00 AM every day.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers

- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check Circular Logging Enabled

The EXSPI-8X/14X Check Circular Logging Enabled policy monitors if the circular logging is enabled on the Mailbox servers. When the circular logging is enabled, this policy sends an alert message to the message browser.

Schedule: Run this policy at 1 PM on Sundays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Check If Circular Logging Disabled

The EXSPI-8X/14X Check If Circular Logging Disabled policy monitors if the circular logging is not enabled on the Mailbox servers. When the circular logging is disabled, this policy sends an alert message to the message browser.

Schedule: Run this policy at 2 PM on Sundays.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-IS Mailbox Performance

The EXSPI-8X/14X Dc-IS Mailbox Performance policy monitors the counters of the MExchangeIS Mailbox performance monitor object.

Collection Details

This policy collects the following counters of the MExchangeIS Mailbox performance monitor object. This policy monitors these counters:

- Receive Queue Size
- Average Delivery Time
- Local deliveries
- Messages Delivered
- Messages Sent
- Messages Submitted
- Message Recipients Delivered
- Active Client Logons
- Client Logons
- Peak Client Logons
- Single Instance Ratio
- Total Count of Recoverable Items
- Total Size of Recoverable Items

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mailbox**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers

- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X IS Mailbox Receive Queue Length

The EXSPI-8X IS Mailbox Receive Queue Length policy monitors the value of the Receive Queue Size counter of the MExchangeIS Mailbox performance monitor object.

If the receive queue length exceeds the threshold, this policy sends alert messages to the message browser.

Default Threshold : This policy has the following thresholds:

- Critical: 200
- Warning: 100

Schedule : This policy runs every 2 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en (ja)** → **Exchange 2007** → **Manual Deploy Groups** → **Mailbox Server** → **Mailbox**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X IS Mailbox Average Delivery Time

The EXSPI-8X/14X IS Mailbox Average Delivery Time policy collects information from the Average Delivery Time performance counter of the MExchangeIS Mailbox performance object. If the average delivery time exceeds 5000 milliseconds, it sends a *warning* to the message browser. If the average delivery time exceeds 10000 milliseconds, it sends a *critical* alert message to the message browser.

Default Threshold : This policy has 10000 as its threshold value.

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mailbox**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Outlook Client RPC Failure Rate

The EXSPI-8X/14X Outlook Client RPC Failure Rate policy sends alert messages to the message browser if the percentage rate of RPC failure exceeds the threshold. It monitors the following performance counters of the MExchangeIS performance monitor object:

- Client: RPCs attempted
- Client: RPCs Failed

Default Threshold: This policy has the following thresholds:

- Critical: 10
- Warning: 5

Schedule : This policy runs every 10 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Outlook Client Latency

The EXSPI-8X/14X Outlook Client Latency policy monitors the number of successful RPCs with the latency value greater than 10, 5, or 2 seconds.

It monitors the following performance counters of the MExchangeIS performance monitor object:

- Client: Latency > 10 sec RPCs
- Client: Latency > 5 sec RPCs
- Client: Latency > 2 sec RPCs

Default Threshold: This policy has the following thresholds:

- For Client: Latency > 10 sec RPCs-10 (Major)
- For Client: Latency > 5 sec RPCs-100 (Minor)
- For Client: Latency > 2 sec RPCs-250 (Warning)

Schedule: This policy runs every 10 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-Outlook Client

The EXSPI-8X/14X Dc-Outlook Client policy collects different counters of the MExchangeIS Mailbox performance monitor object.

Collection Details

This policy collects the following counters of the MExchangeIS performance monitor object. This policy monitors these counters:

- Client: Latency > 10 sec RPCs
- Client: Latency > 5 sec RPCs
- Client: Latency > 2 sec RPCs
- Client: RPCs attempted
- Client: RPCs succeeded
- Client: RPCs Failed
- Client: RPCs Failed: Server Unavailable
- Client: RPCs Failed: Server Too Busy
- Client: RPCs Failed: Call Cancelled
- Client: RPCs Failed: Call Failed
- Client: RPCs Failed: Access Denied
- Client: RPCs Failed: All other errors

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration

- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-Information Store Performance

The EXSPI-8X/14X Dc-Information Store Performance policy collects the values of the counters of the MExchangeIS performance monitor object.

Collection Details

The policy collects the following counters of the MExchangeIS performance monitor object. This policy monitors these counters:

- User Count
- Active User Count
- Anonymous User Count
- Active Anonymous User Count
- Connection Count
- Active Connection Count
- VM Total Large Free Block Bytes
- VM Largest Block Size
- VM Total 16MB Free Blocks
- RPC Requests
- RPC Operations/sec

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers

- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store Db Cache Size

The EXSPI-8X/14X Information Store Db Cache Size policy generates an alarm when the database cache size exceeds the threshold value. They monitor the Database Cache Size counter of the Database performance monitor object.

Default Threshold : This policy has 1.2e+009 as its threshold value.

Schedule : This policy runs every 15 minutes.

Policy type: Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store Db Cache Size in MB

The EXSPI-8X Information Store Db Cache Size in MB policy generates alarm when the database cache size (in MB) exceeds the threshold value. It monitors the `Database Cache Size (MB)` counter of the Database performance monitor object.

Default Threshold : 1200.

Polling interval: Every 5 minutes

Policy type : Measurement Threshold

Policy group: **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Information Store Db Log Record Stall per sec

The EXSPI-8X/14X Information Store Db Log Record Stall per sec policy generates an alarm when the database log record stalls per second exceeds the threshold value. It monitors the Log Record Stalls/sec counter of the MExchange Database ==> Instances performance monitor object.

Default Threshold: These policies have the following thresholds:

- Critical: 10
- Warning: 7

Schedule : This policy runs every 2 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store VM 16MB Blocks

The EXSPI-8X/14X Information Store VM 16MB Blocks policy generates alert messages when the number of available 16 MB or larger VM blocks in the Information Store process falls below the threshold value. It monitors the VM Total 16MB Free Blocks counter of the MExchangeIS performance monitor object.

Default Threshold : This policy has the following thresholds:

- Critical: 1
- Warning: 3

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store VM Largest Block

The EXSPI-8X/14X Information Store VM Largest Block policy generates alarm when the size of the largest VM block falls below the threshold. It monitors the VM Largest Block Size counter of the MExchangeIS performance monitor object.

Default Threshold : This policy has the following thresholds:

- Critical: 1.6e+007
- Major: 3.2e+007
- Warning: 6.4e+007

Schedule : This policy runs every 10 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store VM Large Block Bytes

The EXSPI-8X/14X Information Store VM Large Block Bytes policy generates alarm when the total size of free large VM blocks falls below the threshold. It monitors the VM Total Large Free Block Bytes counter of the MExchangeIS performance monitor object.

Default Threshold: This policy has the following thresholds:

- Critical: 5.2e+007
- Warning: 6.2e+007

Schedule: This policy runs every 10 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store Additional Heaps

The EXSPI-8X/14X Information Store Additional Heaps policies generate alarm when the number of additional heaps of Microsoft Exchange memory exceeds the threshold value. They monitor the *Exchmem* : Number of Additional Heaps counter of the MExchangeIS performance monitor object.

Default Threshold : This policy has 3 as its threshold value for which it sends a critical message.

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store Heap Memory Errors

The EXSPI-8X/14X Information Store Heap Memory Errors policy generates alarm when the number of Information Store heap memory errors exceeds the threshold. It monitors the *Exchmem*: Number of heaps with memory errors performance of the MExchangeIS performance monitor object.

Default Threshold: This policy has 3 as its threshold for which it sends a critical message.

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store Db Log Threads Waiting

The EXSPI-8X/14X Information Store Db Log Threads Waiting policy generates alarm when the Information Store threads waiting to write to log exceeds the threshold value. It monitors the Log Threads Waiting counter of the MExchange Database ==> Instances performance monitor object.

Threshold : This policy has 10 as its threshold for which it sends critical message.

Schedule : This policy runs every 2 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Information Store Memory Errors

The EXSPI-8X/14X Information Store Memory Errors policy generates alarm when the number of memory errors exceeds the threshold value. It monitors the *Exchmem*: Number of Memory errors counter of the MExchangeIS performance monitor object.

Default Threshold: This policy has 3 as its threshold for which it send critical message.

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X Information Store Db Log Writes per sec

The EXSPI-8X/14X Information Store Db Log Writes per sec policy generates alarm when the number of times the transaction log buffers are written exceeds the threshold. It monitors the Log Writes/sec counter of the MExchange Database ==> Instances performance monitor object.

Default Threshold: This policy has 500 as its threshold for which it sends a warning message.

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Information Store User Count

The EXSPI-8X/14X Information Store User Count policy generates alarm when the Information Store user count exceeds the threshold value. It monitors the User Count counter of the MExchangeIS performance monitor object.

Default Threshold: This policy has 3500 as its threshold value where it sends an alert message of Warning.

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Public Folder Details

The EXSPI-8X/14X Get Public Folder Details policy obtains the details of the Public Folder through the Get-PublicFolderStatistics cmdlet. This policy sends an alert message to the message browser when the total item size of the Public Folder exceeds the threshold of 50 bytes.

Schedule: This policy runs at 9 AM every day.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-14X Check If Public Folder Circular Logging Disabled

The EXSPI-14X Check If Public Folder Circular Logging Disabled policy checks if the Public Folder Circular Logging is disabled.

Schedule: This policy runs weekly.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Public Folder**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-14X Check If Public Folder Circular Logging Enabled

The EXSPI-14X Check If Public Folder Circular Logging Enabled policy checks if the Public Folder Circular Logging is enabled.

Schedule: This policy runs weekly.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Public IS Sum Data

The Microsoft Exchange SPI stores the metric values collected by the EXSPI-8X/14X Get Public IS Sum Data policy in the EX2007_PFSUMMARY/EXSPI_PFSUMMARY table into the data store.

Schedule: This policy runs at 8.00 AM every day.

Policy type: Scheduled Task policy

Policy group: **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-IS Public Folder Performance

The EXSPI-8X/14X Dc-IS Public Folder Performance policy monitors the counters of the MExchangeIS Public performance monitor object.

Collection Details

The EXSPI-8X/14X Dc-IS Public Folder Performance policy collects the following counters of the MExchangeIS Public performance monitor object. This policy monitors these counters:

- Receive Queue Size
- Average Delivery Time
- Messages Delivered
- Messages Sent
- Messages Submitted
- Message Recipients Delivered
- Active Client Logons
- Client Logons
- Peak Client Logons
- Single Instance Ratio
- Total Count of Recoverable Items
- Total Size of Recoverable Items
- Replication Messages Received
- Replication Messages Sent
- Replication Receive Queue Size

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Public Folder**

Related Topics

- Discovery
- Collection Definition

- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X IS Public Average Delivery Time

The EXSPI-8X/14X IS Public Average Delivery Time policy monitors the average delivery time for Public Folder Information Store instances. If the average delivery time exceeds the threshold, this policy sends alert messages to the message browser. It monitors the Average Delivery Time counter of the MExchangeIS Public performance monitor object.

Threshold : This policy has the following threshold:

- Critical: 10000
- Warning: 5000

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X IS Public Receive Queue Length

The EXSPI-8X IS Public Receive Queue Length policy monitors the Receive Queue Size counter from the MExchangeIS Public performance object.

Default Threshold: This policy has the following thresholds:

- Critical: 200
- Warning: 100

Schedule : This policy runs every 2 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X IS Public Replication Queue Length

The EXSPI-8X/14X IS Public Replication Queue Length policy monitors the Replication Receive Queue Size counter of the MExchangeIS Public performance monitor object. If the replication receive queue length of a Public Folder store instance exceeds the threshold, this policy sends an alert message to the message browser.

Default Threshold: This policy has the following thresholds:

- Critical: 200
- Warning: 100

Schedule : This policy runs every 2 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Public Folder**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Dc-GetMailFlowLatency

The EXSPI-8X/14X Dc-GetMailFlowLatency policy logs the mail flow latency from different servers. This policy collects data only from mailbox servers that are within the same organization. The mail flow test can be performed only on mailbox servers within the same organization.

Schedule: This policy runs 57th Minute of every hour.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mail Flow**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X-MailFlowStatus_Latency

The EXSPI-8X/14X-MailFlowStatus_Latency policy monitors the mailflow latency on the server.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mail Flow**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X-MailFlowStatus_Result

The EXSPI-8X/14X-MailFlowStatus_Result policy monitors the status of mailflow.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mail Flow**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

Monitoring Unified Messaging Servers

The Unified Messaging Server group includes the policies that help you monitor and manage the Exchange 2007/2010 nodes with the unified messaging role. The policies in this group help you monitor the details related to the Unified Messaging PIN, Unified Messaging IP gateways, and Unified Messaging hunt groups.

This group contains the policies in the following subgroups:

- *Availability* - This group contains policies which monitor the status of the various services on the Unified Messaging server. This group includes the following policies:
 - EXSPI-8X/14X_Check_SpeechEngineStatus
 - EXSPI-8X/14X_Check_UnifiedMessagingStatus
- *File Distribution Service* - This group includes the following policies that monitor the MExchangeFDS:UM performance monitor object from the Unified Messaging Servers:
 - EXSPI-8X/14X-DownloadTaskCompleted-UM-All
 - EXSPI-8X/14X DownloadTaskQueued-UM-All
 - EXSPI-8X /14X UM Collect FDS Metrics
 - EXSPI-8X /14X DownloadTasksQueued-UM-Total
- *Other Policies* - Other policies are:
 - EXSPI-8X /14X GetUM IPGatewayDetails
 - EXSPI-8X /14X Get UMServer Details
 - EXSPI-8X /14X Get UMMailbox Pin Details
 - EXSPI-8X /14X Get Unified Messaging Mailbox Details
 - EXSPI-8X /14X Get UMHuntGroup Details
 - EXSPI-8X /14X UM DC-MExchangeUMFax
 - EXSPI-8X /14X UM DC-MExchangeUMSubscriberAccess
 - EXSPI-8X /14X UM DC-MExchangeUMAvailability
 - EXSPI-8X /14X UM DC-MExchangeUMGeneral
 - EXSPI-8X /14X UM DC-MExchangeUMAAutoAttendant
 - EXSPI-8X /14X UM DC-MExchangeUMCallAnswer
 - EXSPI-8X /14X UM Th-MExchangeUMAvailability

Related Topics

- [Discovery](#)

- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_SpeechEngineStatus

The EXSPI-8X/14X_Check_SpeechEngineStatus policy monitors the status of the MSSpeechService service.

Schedule: This policy runs every 5 minutes

Policy Type : Measurement Threshold policy

Policy group : **SPI for Exchange → Exchange 2007 / Exchange 2010 → Manual Deploy Group → Unified Messaging Server → Availability**

Related Topics:

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X_Check_UnifiedMessagingStatus

The EXSPI-8X/14X_Check_UnifiedMessagingStatus policy monitors the status of the MExchangeUM service

Interval: This policy runs every 5 minutes

Policy Type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Unified Messaging Server** → **Availability**

Related Topics:

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI- 8X/14X_Check_UMFileDistributionServiceStatus

The EXSPI-8X/14X_Check_UMFileDistributionServiceStatus policy checks the status of the Microsoft Exchange File Distribution service.

Policy Type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Group** → **Unified Messaging Server** → **Availability**

Related Topics:

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X DownloadTaskQueued-UM-All

The EXSPI-8X DownloadTaskQueued-UM-All policy monitors all instances of the Download Tasks Queued counter of the MExchangeFDS:UM performance monitor object. This counter indicates the number of queued download tasks.

Monitoring Details

When the value of the Download Tasks Queued counter of the MExchangeFDS:UM performance monitor object exceeds 1, the policy sends an alert message of the severity Critical to the message browser.

Schedule: This policy runs every hour.

Policy type : Measurement Threshold policy

Policy group : SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X UM Collect FDS Metrics

The EXSPI-8X UM Collect FDS Metrics policy collects the values of the values of different counters of the Download Tasks Completed performance monitor object.

Collection Details

The policy collects the following counters of the MExchangeFDS:UM performance monitor object from the Unified Messaging Server node. This policy monitors these counters:

- Download Tasks Completed
- Download Tasks Queued

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007** → **Manual Deploy Groups** → **Unified Messaging Server** → **File Distribution Service**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X DownloadTasksQueued-UM-Total

The EXSPI-8X DownloadTasksQueued-UM-Total policy monitors the Download Task Queued counter of the MExchangeFDS:UM performance monitor object. This counter indicates the number of queued download tasks.

Default threshold: This policy has the following thresholds:

- Critical: 10
- Warning: 5

Schedule: This policy runs every hour.

Policy type : Measurement Threshold policy

Policy group : SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get UMServer Details

The EXSPI-8X/14X Get UMServer Details policy collects details related to the unified messaging server and logs the collected data into the data store.

Collection Details

The EXSPI-8X Get UMServer Details policy collects the following metrics from the Unified Messaging Server node:

- Name
- MaxCallAllowed
- MaxFaxCallAllowed
- MaxTTSSessionsAllowed
- MaxASRSessionsAllowed
- Status

Schedule: This policy runs at 1.00 PM on Saturdays.

Policy type : Scheduled Task policy

Policy group : SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get UMMailbox Pin Details

The EXSPI-8X/14X Get UMMailbox Pin Details policy collects details related to the unified messaging mailbox PIN and logs the collected data into the data store.

Collection Details

This policy collects the following metrics from the Unified Messaging Server node:

- UserID
- PinExpired
- FirstTimeUser
- LockedOut

Schedule: This policy runs at 12.00 PM on Saturdays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X GetUM IPGatewayDetails

The EXSPI-8X/14X GetUM IPGatewayDetails policy collects details related to the IP gateway of the unified messaging server and logs the collected data into the data store.

Collection Details

This policy collects the following counters from the Unified Messaging Server node. This policy monitors these counters:

- Name
- Address
- OutcallsAllowed
- Enabled
- Port
- Simulator

Schedule: This policy runs at 3.00 PM on Saturdays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get UMHuntGroup Details

The EXSPI-8X/14X Get UMHuntGroup Details policy collects details related to the hunt group of the unified messaging server and logs the collected data into the data store.

Collection Details

This policy collects the following metrics from the Unified Messaging Server node:

- Name
- PilotIdentifier
- UMDialPlan

Schedule: This policy runs at 11.00 AM on Saturdays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X Get Unified Messaging Mailbox Details

The EXSPI-8X/14X Get Unified Messaging Mailbox Details policy collects details related to the mailbox of the unified messaging server and logs the collected data into the data store.

Collection Details

This policy collects the following metrics from the Unified Messaging Server node:

- AllowUMCallsFromNonUsers
- AnonymousCallerCanLeaveMessages
- ASREnabled
- AutomaticSpeechRecognitionEnabled
- DialPlan
- DisplayName
- FaxEnabled
- MissedCallNotificationEnable
- Name
- PrimarySmtpAddress
- ServerName
- SubscriberAccessEnable
- TUIAccessToAddressBookEnabled
- TUIAccessToCalendarEnabled
- TUIAccessToEmailEnabled
- UMEEnabled
- UMFaxId
- UMMailboxPolicy
- UMMaxGreetingDuration
- UMOperatorNumber

Schedule: This policy runs at 2.00 PM on Saturdays.

Policy type : Scheduled Task policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- [Discovery](#)
- [Collection Definition](#)
- [Availability](#)
- [Client Access Servers](#)
- [ExBPA Integration](#)
- [Hub Transport Servers](#)
- [Edge Transport Servers](#)
- [Mailbox Servers](#)
- [Unified Messaging Server](#)

EXSPI-8X/14X UM DC-MSExchangeUMAutoAttendant

The EXSPI-8X/14X UM DC-MSExchangeUMAutoAttendant policy collects data from different counters of the MSExchangeUMAutoAttendant performance monitor object and stores the value of several counters into the data store.

Collection Details

This policy collects the following counters from the Unified Messaging Server node. This policy monitors these counters:

- Out of Hours Calls
- Business Hours Calls
- Average Call Time
- Operator Transfers

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group: **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM DC-MSEExchangeUMAvailability

The EXSPI-8X/14X UM DC-MSEExchangeUMAvailability policy collects data from different counters of the MSEExchangeUMAvailability performance object.

Collection Details

This policy collects the following counters of the MSEExchangeUMAvailability performance object from the Unified Messaging Server node. This policy monitors these counters:

- Hub Transport Access Failures
- Directory Access Failures
- Calls Disconnected by UM on Irrecoverable External Error
- Calls Disconnected on Irrecoverable Internal Error
- Mailbox Server Access Failures

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM DC-MSExchangeUMGeneral

The EXSPI-8X/14X UM DC-MSExchangeUMGeneral policy collects data from different counters of the MSExchangeUMGeneral performance monitor object and stores the data into the data store.

Collection Details

This policy collects the following counters of the MSExchangeUMGeneral performance object from the Unified Messaging Server node. This policy monitors these counters:

- Delayed Calls
- Total Calls

Schedule: This policy runs every 5 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM DC-MSEExchangeUMSubscriberAccess

The EXSPI-8X/14X UM DC-MSEExchangeUMSubscriberAccess policy collects data from different counters of the MSEExchangeUMSubscriberAccess performance monitor object and stores the data into the data store.

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 / Exchange 2010 → Manual Deploy Groups → Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM DC-MSEExchangeUMCallAnswer

The EXSPI-8X/14X UM DC-MSEExchangeUMCallAnswer policy collects data from different counters of the MSEExchangeUMCallAnswer performance monitor object and stores the data into the data store.

Collection Details

This policy collects the following counters of the MSEExchangeUMCallAnswer performance object from the Unified Messaging Server node. This policy monitors these counters:

- Call Answering Missed Calls
- Average Voice Message Size

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM DC-MSEExchangeUMFax

The EXSPI-8X/14X UM DC-MSEExchangeUMFax policy collects data from different counters of the MSEExchangeUMFax performance monitor object and stores the data into the data store.

Collection Details

This policy collects the following counters of the MSEExchangeUMFax performance object from the Unified Messaging Server node:

- Fax Messages
- Fax Incomplete

Schedule: This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → en → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X/14X UM Th-MSExchangeUMAvailability

The EXSPI-8X/14X UM Th-MSExchangeUMAvailability policy monitors the Call Answer Queued Messages counter of the MSExchangeUMAvailability performance object counter.

Default Threshold : This policy has the following thresholds:

- Critical: 100
- Warning: 50

Schedule : This policy runs every 15 minutes.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Unified Messaging Server**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

EXSPI-8X-DownloadTaskCompleted-UM-All

The EXSPI-8X-DownloadTaskCompleted-UM-All policy monitors the Download Tasks Completed counter of the MExchangeFDS:UM performance monitor object. This counter indicates the number of completed download tasks.

When the value of the Download Tasks Completed counter of the MExchangeFDS:UM performance monitor object reaches the threshold, the policy sends an alert message to the message browser.

Schedule: This policy runs every hour.

Policy type : Measurement Threshold policy

Policy group : **SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service**

Related Topics

- Discovery
- Collection Definition
- Availability
- Client Access Servers
- ExBPA Integration
- Hub Transport Servers
- Edge Transport Servers
- Mailbox Servers
- Unified Messaging Server

Data Store Table for Microsoft Exchange 2007 Server

The Microsoft Exchange SPI creates the following data tables for Microsoft Exchange Server 2007 metrics in the data store on the node to facilitate the data-collection procedure.

Data Store Details

Table and Policy Details	Metrics/Performance Counter	Data Store Column and Description	Metric Data Type CODA / PA
<p>EX2007_ATTACHFILTER - This table has data on the performance object "MSExchange Attachment Filtering". In Microsoft Exchange Server 2007, attachment filtering lets you apply filters at the server level to control the attachments that users receive.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSExchange Attachment Filtering</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchange Attachment Filtering</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages Filtered/Sec	MSGFILTERPERSEC: Number of messages being filtered per second by the attachment filtering agent	U64 / Precision 0
	Messages Attachment Filtered	MSGATT_FILTERED: Number of messages that were either blocked, attachment-stripped or silent-deleted (as per configuration) by the attachment filtering agent.	U64 / Precision 0
<p>EX2007_CONNFILTER - This table has data for the performance object "MSExchangeConnection</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>Filtering Agent"; The Connection Filter agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2007 Edge Transport server role installed.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSEExchange Connection Filtering Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Connection Filtering Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Connections on IP Allow List	CONNIPALLOWLIST: Number of connections on the IP Allow list.	U64 / Precision 0
	Connections on IP Block List Providers	CONNIPBCKLISTPVD: Number of connections on the IP Block List providers.	U64 / Precision 0
	Connections on IP Block List	CONNIPBCKLIST: Number of connections on the IP Block list.	U64 / Precision 0
	Connections on IP Allow List Providers	CONNIPALLOWLISTPVD: Number of connections on the IP Allow List providers.	U64 / Precision 0
<p>EX2007_CONTFILTER - This table has data for the performance object "MSEExchangeContent Filtering Agent"; The Content Filter agent is one of several anti-spam agents. The Content Filter agent assigns a spam confidence level (SCL) rating to each message. The SCL rating is a number between 0 and 9. A higher SCL rating indicates that a message is more likely to be spam.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSEExchange Content Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeContent Filtering</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages with SCL 1	MSGWITHSCL1: Number of messages assigned an SCL rating of 1.	U64 / Precision 0
	Messages with SCL 0	MSGWITHSCL0: Number of messages assigned an SCL rating of 0.	U64 / Precision 0
	Messages with SCL 2	MSGWITHSCL2: Number of messages assigned an SCL rating of 2.	U64 / Precision 0
Messages with SCL 3	MSGWITHSCL3: Number of messages assigned an SCL rating of 3.	U64 / Precision 0	

Agent <i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent	Messages with SCL 4	MSGWITHSCL4: Number of messages assigned an SCL rating of 4.	U64 / Precision 0
	Messages with SCL 5	MSGWITHSCL5: Number of messages assigned an SCL rating of 5.	U64 / Precision 0
	Messages with SCL 6	MSGWITHSCL6: Number of messages assigned an SCL rating of 6.	U64 / Precision 0
	Messages with SCL 7	MSGWITHSCL7: Number of messages assigned an SCL rating of 7.	U64 / Precision 0
	Messages with SCL 8	MSGWITHSCL8: Number of messages assigned an SCL rating of 8.	U64 / Precision 0
	Messages with SCL 9	MSGWITHSCL9: Number of messages assigned an SCL rating of 9.	U64 / Precision 0
	Messages Quarantined	MSGQUARANTINED: Number of messages that were quarantined by Content Filter Agent.	U64 / Precision 0
	Messages Deleted	MSGDELETED: Number of messages that were deleted by Content Filter Agent.	U64 / Precision 0
	Messages that Bypassed Scanning	MSGBYPASSSCAN: Number of messages that bypass scanning	U64 / Precision 0
	Messages Scanned	MSGSCANNED: Number of messages scanned by Content Filter Agent.	U64 / Precision 0
Messages Rejected	MSGREJECTED: Number of messages that were rejected by Content Filter Agent.	U64 / Precision 0	
EX2007_FDSOAB - This table contains data on the performance object "MSExchangeFDS:OAB"; Microsoft Exchange File	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>Distribution Service is responsible for downloading Offline Address Book (OAB) content from the Exchange server that is configured to be the OAB generation server. Each attempt to download an OAB by a Client Access server is considered a download task.</p> <p><i>Policy Name:</i> EXSPI-8X CAS Collect FDS Metrics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeFDS:OAB</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Client Access Server → File Distribution Service</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Download Task Queued	TASK_QUEUED: Download Task Queued is '1' if task is queued for execution, otherwise '0.'	U64 / Precision 0
	Download Tasks Completed	TASKS_COMPLETED: Number of OAB download tasks completed.	U64 / Precision 0
<p>EX2007_FDSUM - This table contains data on the performance object "MExchangeFDS:UM"</p> <p><i>Policy Name:</i> EXSPI-8X UM Collect FDS Metrics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeFDS:UM</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Download Task Queued	TASK_QUEUED: Has a value of 1 if a download task is waiting to start running. Otherwise, the value is 0.	U64 / Precision 0
	Download Tasks Completed	TASKS_COMPLETED: Count of the number of UM dial plan downloads that have been completed since the service started.	U64 / Precision 0
<p>EX2007_HUBTRANSDSN - This table contains data on the performance object</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>"MSExchangeTransport DSN"; Delivery status notifications (DSNs) notify the Microsoft Exchange Server 2007 administrator or e-mail sender of the status of a particular message. This performance object monitors the number of different DSNs generated</p> <p><i>Policy Name:</i> EXSPI-8X HUB Transport DSN</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeTransport DSN</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Failure DSNs Total	FAIL_DSNS_TOTAL: Number of failure delivery status notifications (DSNs) that have been generated.	R64 / Precision 2
	Delay DSNs	DELAY_DSNS: Number of delivery status notifications (DSNs) that have been generated.	R64 / Precision 2
<p>EX2007_IMAP4PERF - This table has data on the performance object "MSExchangeIMAP4"</p> <p><i>Policy Name:</i> EXSPI-8X Dc-IMAP4 Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i></p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Client Access Server → IMAP4</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 /Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Total Connections	IMAP4CON: Number of connections that have been opened since the IMAP service was started.	U64 / Precision 0
	Connections Failed	IMAP4FAILEDCON: Number of connections that have failed since the IMAP service was started.	U64 / Precision 0
	Connections Rejected	IMAP4REJECTEDCON: Number of connections that have been rejected since the IMAP service was started.	U64 / Precision 0
EX2007_ISCLIEN - This table	Client: Latency > 10 sec RPCs	ISCLATENCY10: Number of	U64 /

<p>has data on the performance object "MSEExchangeIS"</p> <p><i>Policy Name:</i> EXSPI-8X Dc-Outlook Client</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeIS</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Outlook Performance</p>		successful RPCs with latencies > 10 seconds.	Precision 0
	Client: Latency > 5 sec RPCs	ISCLATENCY5: Number of successful RPCs with latencies > 5 seconds.	U64 / Precision 0
	Client: Latency > 2 sec RPCs	ISCLATENCY2: Number of successful RPCs with latencies > 2 seconds.	U64 / Precision 0
	Client: RPCs attempted	ISRPCATTEMPT: Number of RPCs attempted by the users (since the store was started).	U64 / Precision 0
	Client: RPCs succeeded	ISRPCSUCCEED: Number of successful RPCs (since the store was started).	U64 / Precision 0
	Client: RPCs Failed	ISRPCFAIL: Number of failed RPCs (since the store was started).	U64 / Precision 0
	Client: RPCs Failed: Server Unavailable	ISRPCFUNAV: Number of failed RPCs (since the store was started) due to the Server Unavailable RPC error.	U64 / Precision 0
	Client: RPCs Failed: Server Too Busy	ISRPCFBUSY: Number of failed RPCs (since the store was started) due to the Server Too Busy RPC error.	U64 / Precision 0
	Client: RPCs Failed: Call Cancelled	ISRPCFCANCEL: Number of failed RPCs (since the store was started) due to the Call Cancelled RPC error.	U64 / Precision 0
	Client: RPCs Failed: Call Failed	ISRPCFCALLFAIL: Number of failed RPCs (since the store was started) due to the Call Failed RPC error.	U64 / Precision 0
Client: RPCs Failed: Access Denied	ISRPCFACCESSDENY: Number of failed RPCs (since the store was started) due to the Access Denied RPC error.	U64 / Precision 0	

	Client: RPCs Failed: All other errors	ISCRPCFOTHER: Number of failed RPCs (since the store was started) due to all other RPC errors.	U64 / Precision 0
EX2007_ISPERF - This table has data on the performance object "MSExchangeIS" <i>Policy Name:</i> EXSPI-8X Dc-Information Store Performance <i>Policy Type:</i> Measurement Threshold <i>Performance Object:</i> MSExchangeIS <i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Performance	RPC Requests	RPCREQUESTS: Number of client requests that are currently being processed by the information store.	U64 / Precision 0
	RPC Operations/sec	RPCOPERATIONSPERSEC: Rate that RPC operations occur.	R64 / Precision 2
	VM Largest Block Size	ISVMLARGESTBLOCK: Size of the largest free virtual memory block.	U64 / Precision 0
	VM Total Large Free Block Bytes	ISVMLARGEFREEBB: Number of bytes in free Virtual Memory blocks larger than or equal to 16MB.	U64 / Precision 0
	VM Total 16MB Free Blocks	ISVM16MBFREE: Number of free Virtual Memory blocks larger than or equal to 16MB.	U64 / Precision 0
	User Count	ISUSERCNT: Number of users connected to the information store.	U64 / Precision 0
	Connection Count	ISCONNECTCNT: Number of client processes connected to the information store.	U64 / Precision 0
	Anonymous User Count	ISANONUSERCNT: Number of anonymous users connected to the information store.	U64 / Precision 0
	Active User Count	ISACTIVEUSERCNT: Number of user connections that have shown some activity in the last 10 minutes.	U64 / Precision 0
	Active Connection Count	ISACTIVECONNECTCNT: Number of connections that have shown some activity in the last 10 minutes.	U64 / Precision 0

	Active Anonymous User Count	ISACTIVEANONUSERCNT: Number of active users.	U64 / Precision 0
<p>EX2007_MBPERF - This table has data on the performance object "MSEExchangeIS Mailbox"</p> <p><i>Policy Name:</i> EXSPI-8X Dc-IS Mailbox Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeIS Mailbox</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Receive Queue Size	MBRECEIVEQ: Number of messages in the mailbox store's receive queue.	U64 / Precision 0
	Average delivery Time	MBDELIVERYTIME: Average time in miliseconds between the submission of a message to the mailbox store and the delivery to all local recipients (recipients on the same server) for the last 10 messages.	U64 / Precision 0
	Local Deliveries	MBLOCALDELIVER: Number of messages delivered locally	U64 / Precision 0
	Messages Delivered	MBDELIVER: Number of messages delivered to all recipients since startup.	U64 / Precision 0
	Messages Sent	MBSSENT: Number of messages sent to the transport since startup.	U64 / Precision 0
	Messages Submitted	MBSUBMITTED: Number of messages submitted by clients since service startup.	U64 / Precision 0
	Messages Recipients Delivered	MBRECIPIENT: Number of recipients that have received a message since startup.	U64 / Precision 0
	Active Client Logons	MBACTIVELOGON: Number of clients that performed any action within the last ten minute time interval.	U64 / Precision 0

	Client Logons	MBLOGON: Number of clients (including system processes) currently logged on.	U64 / Precision 0
	Peak Client Logons	MBLOGONPEAK: Maximum number of concurrent client logons since the service started.	U64 / Precision 0
	Single Instance Ratio	MBSIRATIO: Number of references to each message in the mailbox store.	R64 / Precision 2
	Total Count of Recoverable Items	MBRECOVERITEMS: Number of items retained for Item Recovery	U64 / Precision 0
	Total Size of Recoverable Items	MBRECOVERSIZE: Total size in kilobytes of items retained for Item Recovery	U64 / Precision 0
<p>EX2007_PFPERF - This table has data on the performance object "MSExchangeIS Public".</p> <p><i>Policy Name:</i> EXSPI-8X Dc-IS Public Folder Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeIS Public</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Public Folder</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Receive Queue Size	PFRECEIVEQ: Number of messages in the public store's receive queue.	U64 / Precision 0
	Average Delivery Time	PFDELIVERYTIME: Average time in milliseconds between the submission of a message to the public store and the delivery to all local recipients (recipients on the same server) for the last 10 messages.	U64 / Precision 0
	Messages Delivered	PFDELIVER: Number of messages delivered to all recipients since startup.	U64 / Precision 0
	Messages Sent	PFSENT: Number of messages sent to the transport since startup.	U64 / Precision 0

	Messages Submitted	PFSUBMITTED: Number of messages submitted by clients since service startup.	U64 / Precision 0
	Message Recipients Delivered	PFRECIPIENT: Number of recipients that have received a message since startup.	U64 / Precision 0
	Active Client Logons	PFACTIVELOGON: Number of clients that performed any action within the last ten minute time interval.	U64 / Precision 0
	Client Logons	PFLOGON: Number of clients (including system processes) currently logged on.	U64 / Precision 0
	Peak Client Logons	PFLOGONPEAK: Number of concurrent client logons since the service started.	U64 / Precision 0
	Single Instance Ratio	PFSIRATIO: Number of references to each message in the public store.	R64 / Precision 2
	Total Count of Recoverable Items	PFRECOVERITEMS: Number of items retained for Item Recovery	U64 / Precision 0
	Total Size of Recoverable Items	PFRECOVERSIZE: Size in kilobytes of items retained for Item Recovery	U64 / Precision 0
	Replication Messages Received	PFREPRCVD: Number of replication messages received from other servers since service startup.	U64 / Precision 0
	Replication Messages Sent	PFREPRESENT: Number of replication messages that have been sent to other servers since service startup.	U64 / Precision 0
	Replication Receive Queue Size	PFREPOQ: Number of replication messages waiting to be processed.	U64 / Precision 0
EX2007_POP3PERF - This table has data on the performance object	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>"MSEExchangePOP3".</p> <p><i>Policy Name:</i> EXSPI-8X Dc-POP3 Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangePOP3</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Client Access Server → POP3</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Connections Total	POP3CON: Number of connections that have been opened since the POP service was started.	U64 / Precision 0
	Connections Failed	POP3FAILEDCON: Number of connections that have failed since the POP service was started.	U64 / Precision 0
	Connections Rejected	POP3REJECTEDCON: Number of connections that have been rejected since the POP service was started.	U64 / Precision 0
	DELE Total	POP3DELE: Number of DELE commands that have been received since the POP service was started.	U64 / Precision 0
	RETR Total	POP3RETR: Number of RETR commands that have been received since the POP service was started	U64 / Precision 0
	<p>EX2007_PRTAGT - This table has data on the performance object "MSEExchange Protocol Analysis Agent".</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSEExchange Protocol</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Protocol Analysis Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en →</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter
Server Name		SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
Senders Blocked Because of Local Open Proxy		SENDBCK_LOPNPXY: Number of senders blocked because of a local open proxy.	U64 / Precision 0
Senders Blocked Because of Local SRL		SENDBCK_LCKEDLSRL: Number of senders blocked because of local sender reputation level (SRL).	U64 / Precision 0

Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent	Senders Blocked Because of Remote SRL	SENDBCK_LCKEDRSRL: Number of senders blocked because of remote sender reputation level (SRL).	U64 / Precision 0
	Senders Blocked Because of Remote Open Proxy	SENDBCK_ROPENPXY: Number of senders blocked because of a remote open proxy.	U64 / Precision 0
	Senders Bypass Local SRL calculation	SENDBYPASS_LSRLCALC: Number of senders that bypass local Sender Reputation Level (SRL) calculation.	U64 / Precision 0
	Senders Processed	SENDPROCESSED: Number of senders processed.	U64 / Precision 0
<p>EX2007_RECPFILTER - This table has data for the performance object "MSEExchange Recipient Filtering Agent"; The Recipient Filter agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2007 Edge Transport server role installed. The Recipient Filter agent blocks messages according to the characteristics of the intended recipient in the organization.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSEExchange Recipient Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Recipient Filtering Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Recipients Rejected by Recipient Validation	RECPREJ_RECPVLDTION: Number of recipients rejected by recipient validation.	U64 / Precision 0
	Recipients Rejected by Block List	RECPREJ_BCKLIST: Number of recipients rejected by block list.	U64 / Precision 0

<p>EX2007_SENDERID - This table has data for the performance object "MSExchange Sender Id Agent"; The Sender ID agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2007 Edge Transport server role installed. When you enable Sender ID, each message contains a Sender ID status in the metadata of the message. When an e-mail message is received, the Edge Transport server queries the sender's DNS server to verify that the IP address from which the message was received is authorized to send messages for the domain that is specified in the message headers. The Sender ID evaluation process generates a Sender ID status for the message. The Sender ID status is used to evaluate the SCL rating for the message.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSExchange Sender ID Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchange Sender Id Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Exchange Server on which the data is being collected	UTF8 / Text
	Messages That Bypassed Validation	MSGBYPASSED: Number of messages that bypassed validation by the Sender Id agent.	U64 / Precision 0
	Messages Validated with a SoftFail Result	MSGSOFTFAILED: Number of messages validated with a result of SoftFail.	U64 / Precision 0
	Messages Validated with a Neutral Result	MSGNEUTRALRESULT: Number of messages validated with a result of Neutral.	U64 / Precision 0
	Messages Validated with a Fail - Malformed Domain Result	MSGFAILMALDOMAIN: Number of messages validated with a result of Fail - Malformed Domain.	U64 / Precision 0
	Messages Validated	MSGVALIDATED: Number of messages validated by the Sender Id agent.	U64 / Precision 0
	Messages Validated with a Pass Result	MSGPASSRESULT: Number of messages validated with a result of Pass.	U64 / Precision 0
	Messages Validated with a TempError Result	MSGTEMPERROR: Number of messages validated with a result of TempError.	U64 / Precision 0
	Messages Validated with a None Result	MSGNONERESULT: Number of messages validated with a result of None.	U64 / Precision 0
Messages Validated with a Fail - Non-existent Domain Result	MSGFAIL_NONEXISTDMN: Number of messages validated with a result of Fail - Non-existent Domain.	U64 / Precision 0	
Messages Validated with a PermError Result	MSGPERMERROR: Number of messages validated with a result of PermError.	U64 / Precision 0	

	Messages Missing Originating IP	MSGMISSORGIP: Number of messages for which the originating IP could not be determined.	U64 / Precision 0
	Messages With No PRA	MSGWITHNOPRA: Number of messages that do not have a valid PRA.	U64 / Precision 0
	Messages Validated with a Fail - Not Permitted Result	MSGFAIL_NOTPERMIT: Number of messages validated per second with a result of Fail - Not Permitted.	U64 / Precision 0
<p>EX2007_SENDFILTER - This table has data for the performance object "MSEExchange Sender Filter Agent"; The Sender Filter agent is an anti-spam filter that is enabled on computers that have the Microsoft Exchange Server 2007 Edge Transport server role installed. The Sender Filter agent acts on messages from specific senders outside the organization.</p> <p><i>Policy Name:</i> EXSPI-8X Edge DC-MSEExchange Sender Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Sender Filter Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages Evaluated by Sender Filter	MSG EVALUATED: Number of messages evaluated by the Sender Filter agent.	U64 / Precision 0
	Messages Filtered by Sender Filter	MSGFILTERED: Number of messages filtered by the Sender Filter agent.	U64 / Precision 0
<p>EX2007_SMTPREC - This table has data on the performance object "MSEExchangeTransport Smtprcv".</p> <p><i>Policy Name:</i> EXSPI-8X Edge</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text

<p>Dc-SMTP Perf Inbound Cnn</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeTransport SmtptReceive</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → SMTP</p>	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Bytes Received Total	SMTPBYTERECV: Number of bytes received.	U64 / Precision 0
	Message Bytes Received Total	SMTPMSGRECV: Number of bytes in messages received and committed to database. This includes the headers that are inserted by the SMTP server and is the actual number of bytes that are written to database	U64 / Precision 0
	Messages Received Total	SMTPMSGBYTERECV: Number of messages received by the SMTP server.	U64 / Precision 0
	Connections Current	SMTPCONNCURR: Number of inbound connections to the SMTP server.	U64 / Precision 0
	Connections Total	SMTPCONNTOT: Number of connections ever made to the SMTP server.	U64 / Precision 0
<p>EX2007_SMTPSEND - This table has data on the performance object "MExchangeTransport SmtptSend".</p> <p><i>Policy Name:</i> EXSPI-8X Edge Dc-SMTP Perf Outbound Cnn</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeTransport SmtptSend</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server → SMTP</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	BytesSentTotal	SMTPBYTESEND: Number of bytes sent.	U64 / Precision 0
	MessagesSentTotal	SMTPMSGSEND: Number of messages sent by the SMTP Send connector.	U64 / Precision 0
	MessageBytesSentTotal	SMTPMSGBYTESEND: Number of bytes sent. This number includes only those	U64 / Precision 0

		messages that were successfully sent.	
	ConnectionsCurrent	SMTPCONNCURR: Number of outbound connections from the SMTP Send connector.	U64 / Precision 0
	ConnectionsTotal	SMTPCONNTOT: Number of connections ever made from the SMTP Send connector.	U64 / Precision 0
<p>EX2007_TRANSQ - This table has data on the performance object "MSExchangeIMAP4".</p> <p><i>Policy Name:</i> EXSPI-8X Dc Transport Queues</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeIMAP4</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Poison Queue Length	POISON_Q_LENGTH: Number of messages in the poison message queue.	U64 / Precision 0
	Submission Queue Length	SUB_Q_LENGTH: Number of messages in the Submission queue.	U64 / Precision 0
	Retry Non-Smtp Delivery Queue Length	RETRY_NONSMTP_QLEN: Number of messages in retry in the non-SMTP gateway delivery queues.	U64 / Precision 0
	Aggregate Delivery Queue Length (All Queues)	AGGDEL_ALLQ_LEN: Number of messages queued for delivery in all queues.	U64 / Precision 0
	Unreachable Queue Length	UNREACH_Q_LENGTH: Number of messages in the Unreachable queue.	U64 / Precision 0
	Retry Mailbox Delivery Queue Length	RET_MD_Q_LEN: Number of messages in retry.	U64 / Precision 0
	Active Remote Delivery Queue Length	ACT_REM_DQLENGTH: Number of messages in the active remote delivery queues.	U64 / Precision 0

	Active Non-Smtp Delivery Queue Length	ACT_NONSMTP_DQLENG: Number of messages in the Drop directory that is used by a Foreign connector.	U64 / Precision 0
	Retry Remote Delivery Queue Length	RET_REM_DQLENGTH: Number of messages in retry in the remote delivery queues.	U64 / Precision 0
	Largest Delivery Queue Length	LARG_DQ_LENGTH: Number of messages in the largest delivery queue.	U64 / Precision 0
	Active Mailbox Delivery Queue Length	ACT_MDQ_LENGTH: Number of messages in the active mailbox queues.	U64 / Precision 0
<p>EX2007_UMAUTO_ATTEN - This table contains data on the performance object "MSEExchangeUMAutoAttendant"; UM auto attendants can be used to create a voice menu system for an organization that lets external and internal callers move through the UM auto attendant menu system to locate and place or transfer calls to company users or departments in an organization.</p> <p><i>Policy Name:</i> EXSPI-8X UM DC-SExchangeUMAutoAttendant</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeUMAutoAttendant</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 Manual Deploy Groups → Unifi→ed Messaging Server</p>	Business Hours Calls	BUSS_HR_CALLS: Number of calls processed by this auto attendant during business hours.	U64 / Precision 0
	Operator Transfers	OPER_TRANSFERS: Number of calls that have been transferred to the operator.	U64 / Precision 0
	Out of Hours Calls	OUT_OF_HR_CALLS: Number of calls that have been processed by this auto attendant outside of business hours.	U64 / Precision 0
	Average Call Time	AVERAGE_CALL_TIME: Average length of time that callers interacted with the auto attendant.	UTF8 / Text
<p>EX2007_UMAVAIL - This table contains data on the performance object "MSExchangeUMAvailability";</p>	Calls Disconnected by UM on Irrecoverable External Error	CALLS_DISCN_EXT_ERR: Number of calls disconnected after an irrecoverable external error occurred.	U64 / Precision 0

<p><i>Policy Name:</i> EXSPI-8X UM DC-MSEExchangeUMAvailability</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeUMAvailability</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Calls Disconnected on Irrecoverable Internal Error	CALLS_DISCN_INT_ERR: Number of calls disconnected after an internal system error occurred.	U64 / Precision 0
	Hub Transport Access Failures	HUB_ACCESS_FAIL: Number of times that attempts to access a Hub Transport server failed. This number is only incremented if all Hub Transport servers were unavailable	U64 / Precision 0
	Mailbox Server Access Failures	MSERV_ACCESS_FAIL: Number of times the system did not access a Mailbox server.	U64 / Precision 0
	Directory Access Failure	DIR_ACCESS_FAIL: Number of times that attempts to access Active Directory failed.	U64 / Precision 0
<p>EX2007_UMCALLANS - This table contains data on the performance object "MSEExchangeUMCallAnswer";</p> <p><i>Policy Name:</i> EXSPI-8X UM DC-MSEExchangeUMCallAnswer</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeUMCallAnswer</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Average Voice Message Size	AV_VMSG_SIZE: Average size, in seconds, of voice messages left for subscribers.	U64 / Precision 0
	Call Answering Missed Calls	CALL_ANSMISSED_CALLS: Number of times a diverted call was dropped without a message being left	U64 / Precision 0
<p>EX2007_UMFAX - This table contains data on the performance object "MSEExchangeUMFax";</p> <p><i>Policy Name:</i> EXSPI-8X UM DC-MSEExchangeUMFax</p> <p><i>Policy Type:</i> Measurement Threshold</p>	Fax Messages	FAX_MSG: Number of fax messages received.	U64 / Precision 0

<p><i>Performance Object:</i> MSEExchangeUMFax</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Fax Incomplete	FAX_INCOMPLETE: Number of fax calls that were dropped before completion.	U64 / Precision 0
<p>EX2007_UMGENERAL - This table has data on the performance counter "MSEExchange General";</p> <p><i>Policy Name:</i> EXSPI-8X UM DC-MSEExchangeUMGeneral</p> <p><i>Policy Type:</i> Measurement Threshold</p>	Delayed Calls	DELAYED_CALLS: Number of calls that experienced one or more delays longer than 2 seconds.	U64 / Precision 0
<p><i>Performance Object:</i> MSEExchange General</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Total Calls	TOTAL_CALLS: Number of calls since the service was started.	U64 / Precision 0
<p>EX2007_UMSUBACCESS - This table has data on the performance counter "MSEExchange UMSubscriberAccess"; A subscriber is an internal business user or network user who is enabled for Exchange 2007 Unified Messaging. Subscriber access is used by users to access their individual mailboxes to retrieve e-mail, voice messages, contacts, and calendaring information.</p> <p><i>Policy Name:</i> EXSPI-8X UM DC-MSEExchangeUMSubscriberAccess</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange</p>	Voice Messages Sent	VOICE_MSG_SENT: Number of voice messages that have been sent by authenticated UM subscribers.	U64 / Precision 0
	Email Message Queue Accessed	EMAIL_MSGQ_ACCESSED: Number of times subscribers accessed their e-mail message queue by using the telephone user interface.	U64 / Precision 0
	Average Subscriber Call Duration	AVER_SUB_CALL_DURA: Average duration, in seconds, that subscribers spent logged on to the system. This timer starts when logon completes.	U64 / Precision 0

<p>UMSubscriberAccess</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Email Messages Heard	<p>EMAIL_MSG_HEARD: Number of e-mail messages that have been heard by authenticated subscribers.</p>	U64 / Precision 0
<p>EX2007_AGCFG - This table has data on the configuration of a transport agent on a computer that has the Edge Transport server role or the Hub Transport server role installed in a Microsoft Exchange Server 2007 organization.</p> <p><i>Policy Name:</i> EXSPI-8X Edge Get Configuration of the Transport Agent</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server</p>	Identity	AGCFG_ID: Specifies the display name of the transport agent to be displayed	UTF8 / Text
	Enabled	AGCFG_EN: Specifies if the transport agent mentioned is enabled or disabled	UTF8 / Text
	Priority	AGCFG_PRI: Specifies the priority of the transport agent. The priority of the transport agent controls the order in which the transport agents process e-mail messages. The priority must be a value between 0 and the maximum number of transport agents. The default behavior is to append a new transport agent to the end of the priority list. Transport agents with a priority closest to 0 process e-mail messages first	U64 / Precision 0
<p>EX2007_AVAILABILITY - This table has data on availability of the Exchange Server where it resides.</p> <p><i>Policy Name:</i> EXSPI-8X Get Exchange Availability</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Availability</p>	Server	SERVER_NAME: Name of the Exchange Server where the data is being collected	UTF8 / Text
	ADSite	ADSITE_NAME: Name of the Active Directory Site where the Exchange Server (where the data is being collected) resides	UTF8 / Text
	Role	SERVER_ROLE: Server role (Mailbox Server role or Cklient Access Server role or Unified Messaging Server Role or Hub Transport server Role or Edge Transport server Role) for the exchange server where the data is being collected	UTF8 / Text

	Availability	AVAILABILITY: Availability of the services (if the services are up, the availability is 1) required to run Exchange server for that particular role	U64 / Precision 0
<p>EX2007_DEST - This table has data specific to each Mailbox in a specific ADSite listing all the destinations to which mails have been sent, the domain names of the destination addresses, the total number of bytes of messages and the total number of messages sent to each destination. It classifies the destination servers into 3 categories: Exchange 2007, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-8X Dc-Get Top Destination Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	DestinationAddr	DEST_ADDR: Actual destination address to which mails have been sent from each Mailbox in a specific ADSite	UTF8 / Text
	DestinationDomainName	DOMAIN_NAME: Domain name of the destination servers to which mails have been sent from each Mailbox in a specific ADSite	UTF8 / Text
	DestinationKey	DEST_KEY: Unique key to identify a particular destination	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server from which mails have been sent to the specific destinations	UTF8 / Text
	AdSiteName	ADSITE_NAME: Active Directory Site name in which the server from which mails have been sent to the specific destinations is present	UTF8 / Text
	isInternal	IS_INTERNAL: Size in bytes of the messages sent to each destination	UTF8 / Text
	TotalBytes	NUM_BYTES_DR: Number of messages sent to each destination	U64 / Precision 0
	nMsgCount	NUM_MSGS_DR: Actual destination address to which mails have been sent from each Mailbox in a specific ADSite	U64 / Precision 0
EX2007_MBDETAIL - This table has data about a mailbox, such as the size of the mailbox, the	Identity	MB_IDENTITY: Unique identity of the mailbox present on the Mailbox server	UTF8 / Text

<p>number of messages it contains, and the last time it was accessed. This data is present for all the mailboxes present on a particular Mailbox Server where the data is being collected.</p> <p><i>Policy Name:</i> EXSPI-8X Get Mailbox Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	DisplayName	MB_NAME: Name of the mailbox which is used for display purposes.	UTF8 / Text
	ServerName	MB_SVRNAME: Name of the Mailbox server name where the mailbox is present	UTF8 / Text
	StorageGroupName	MB_SGNAME: Name of the Storage Group where the Mailbox is present on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DatabaseName	MB_DBNAME: Name of the Database where the Mailbox is present on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	TotalItemSize	MB_SIZE: Total size of the items in Bytes present in the Mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	ItemCount	MB_MSGCOUNT: Total number of items present in the Mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	LastLogonTime	MB_LASTACCESS: Last time the mailbox was logged on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DisconnectedDate	MB_DISCONNECT: Last time the mailbox was disconnected on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DeletedItemCount	MB_DELCOUNT: Number of deleted items present in the mailbox on the specified Mailbox Server on which the	U64 / Precision 0

		data is being collected	
	TotalDeletedItemSize	MB_DELSIZE: Total size of the deleted items in Bytes present in the mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	StorageLimitStatus	MB_STGLIMIT: Indicates the storage limit of the limit.	UTF8 / Text
<p>EX2007_MBSUMMARY - This table has data on all the mailboxes on all databases on the local Exchange Mailbox Server where it is created.</p> <p><i>Policy Name:</i> EXSPI-8X Get Mailbox IS Sum Data</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	Identity	INSTANCE_KEY: Unique identity of the mailbox present on the Mailbox Server	UTF8 / Text
	StorageGroupName	STORAGEGROUP_NAME: Name of the storage group where the mailbox specified is present on the Mailbox Server	UTF8 / Text
	DatabaseName	DATABASE_NAME: Name of the database where the mailbox specified is present on the Mailbox Server	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server	UTF8 / Text
	EDBPath	EDBPATH: EDB file path of the database where the mailbox specified is present on the Mailbox server	UTF8 / Text
	EDBFileSize	EDBSIZE: Size of the EDB File of the database where the mailbox specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveFree	EDBFREE: Free space available on the drive where the EDB file of the database is present where the mailbox specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveTotal	EDBTOTAL: Total space on the drive where the EDB file of the database is present where the mailbox specified is present	U64 / Precision 0

		on the Mailbox server	
	UserCount	MAILBOX_USRCNT: Number of users having mailboxes on the specified database present on the Mailbox Server	U64 / Precision 0
	MessageCount	MAILBOX_MSGCNT: Number of messages present in the specified database present on the Mailbox server	U64 / Precision 0
<p>EX2007_PFDETAIL -This table has data on the statistical information about public folders, such as folder size and last logon time. This data is present for all the public folders present on a particular Mailbox Server where the data is being collected.</p> <p><i>Policy Name:</i> EXSPI-8X Get Public Folder Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Public Folder</p>	Name	PF_NAME: Name of the public folder on the Mailbox Server	UTF8 / Text
	ServerName	PF_SVRNAME: Name of the Mailbox server where the data is being collected	UTF8 / Text
	StorageGroupName	PF_SGNAME: Name of the Storage Group where the public folder is present on the specific Mailbox Server	UTF8 / Text
	DatabaseName	PF_DBNAME: Name of the Database where the public folder is present on the specific Mailbox Server	UTF8 / Text
	TotalItemSize	PF_SIZE: Size of the items in Bytes in the public folder on the specific Mailbox server	U64 / Precision 0
	ItemCount	PF_POSTCOUNT: Number of items present in the public folder on the specific Mailbox server	U64 / Precision 0
	LastAccessTime	PF_LASTACCESS: Last time the public folder was accessed	UTF8 / Text
<p>EX2007_PFSUMMARY - This table has data on all the public folders on all databases on the local Exchange Mailbox Server where it is created.</p> <p><i>Policy Name:</i> EXSPI-8X Get Public IS Sum Data</p>	Identity	INSTANCE_KEY: Unique identity of the public folder present on the Mailbox Server	UTF8 / Text
	StorageGroupName	STORAGEGROUP_NAME: Name of the storage group where the public folder specified is present on the	UTF8 / Text

<i>Policy Type:</i> Scheduled Task <i>Performance Object:</i> Not applicable <i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Public Folder		Mailbox Server	
	DatabaseName	DATABASE_NAME: Name of the database where the public folder specified is present on the Mailbox Server	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server	UTF8 / Text
	EDBPath	EDBPATH: EDB file path of the database where the public folder specified is present on the Mailbox server	UTF8 / Text
	EDBFileSize	EDBSIZE: Size of the EDB File of the database where the public folder specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveFree	EDBFREE: Free space available on the drive where the EDB file of the database is present where the public folder specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveTotal	EDBTOTAL: Space on the drive where the EDB file of the database is present where the public folder specified is present on the Mailbox server	U64 / Precision 0
	PublicFolderCount	FOLDER_COUNT: Number of public folders specified database present on the Mailbox Server	U64 / Precision 0
	MessageCount	FOLDER_MSGCNT: Number of messages present in the specified database present on the Mailbox server	U64 / Precision 0
EX2007_QINFO - This table has data on the configuration information for queues on a computer that has the Hub Transport server role or the Edge	Identity	QINFO_ID: Queue identity in the form of Server\destination, where destination is a remote domain, mailbox server, or persistent queue name.	UTF8 / Text

<p>Transport server role installed.</p> <p><i>Policy Name:</i> EXSPI-8X Get Queue Data</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server</p>	DeliveryType	QINFO_DLVTTYPE: Delivery type for this queue as defined by transport	UTF8 / Text
	NextHopDomain	QINFO_NHDOMAIN: Next hop domain of the queue, specified as a remote Simple Mail Transfer Protocol (SMTP) domain, a server name, the name of an Active Directory site, or a message database (MDB) identifier.	UTF8 / Text
	NextHopConnector	QINFO_NHCNNT: GUID of the connector that was used to create the queue.	UTF8 / Text
	MessageCount	QINFO_MSGCNT: Number of items in the queue.	U64 / Precision 0
	LastError	QINFO_LSTERR: Text string of the last error recorded for a queue.	UTF8 / Text
<p>EX2007_RECP - This table has data specific to each Mailbox in a specific AD Site listing all the recipients to which mails have been sent, the storage groups, store names, Mailbox names, Email Addresses of each recipient, the total number of bytes of messages and the total number of messages sent to each recipient. It classifies the recipient servers into 3 categories: Exchange 2007, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-8X Dc-Get Top Recipient Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Edge Server</p>	RecipientServerName	SERVER_NAME: Name of the server to which mails have been received from the specific Mailbox servers	UTF8 / Text
	RecipientAdSite	ADSITE_NAME: Active Directory Site name in which the recipient servers from which mails have been received to the specific Mailbox server is present	UTF8 / Text
	RecipientStorageGroup	SG_NAME: Name of the storage group of the specific recipients	UTF8 / Text
	RecipientStoreName	STORE_NAME: Name of the recipient server store for the specific recipients	UTF8 / Text
	RecipientMbox	MBOX_NAME: Name of the recipient mailbox for the specific recipients	UTF8 / Text

<p>SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	RecipientEmailAddr	EMAIL_ADDR: Email address of the specific recipients to which mails have been received from the specific mailbox server	UTF8 / Text
<p>EX2007_REPLSUMM - The data logged in this table is used to view the status information about the storage groups in a cluster continuous replication(CCR), local continuous replication(LCR) or standby continuous replication(SCR) environment. It uses the Get-StorageGroupCopyStatus cmdlet to get this information. From the output of this cmdlet, the Log times and Backup times are converted to dateTime formats.</p> <p><i>Policy Name:</i> EXSPI-8X Dc Replication Summary</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring</p>	TotalBytes	NUM_BYTES_RR: Size in bytes of the messages received at each recipient	U64 / Precision 0
	nMsgCount	NUM_MSGS_RR: Number of messages received at each recipient	U64 / Precision 0
	Identity	REPL_IDENTITY: Identity of the storage group	UTF8 / Text
	StorageGroupName	REPL_SGNAME: Name of the storage group	UTF8 / Text
	SummaryCopyStatus	REPL_STATUS: Summary representation of the general status of the copy.	UTF8 / Text
	LastCopiedLogTime	REPL_LSTCPLLOGTIME: Modification time of the last log that was successfully copied.	UTF8 / Text
	LastInspectedLogTime	REPL_LSTINSLOGTIME: Modification time of the last log that was successfully validated by the node hosting the copy.	UTF8 / Text
	LastReplayedLogTime	REPL_LSTRPLLOGTIME: Modification time of the last log that was successfully replayed by the node hosting the copy.	UTF8 / Text
LastLogGenerated	REPL_LSTLOGGEN: Log generation number of the last log known to be generated on the active node.	U64 / Precision 0	
LastLogCopied	REPL_LSTLOGCP: Log generation number of the last log copied to the copy.	U64 / Precision 0	
LastLogInspected	REPL_LSTLOGINS: Log generation number of the last log inspected by the copy.	U64 / Precision 0	

	LastLogReplayed	REPL_LSTLOGRPL: Log generation number of the last log replayed by the copy.	U64 / Precision 0
	LatestFullBackupTime	REPL_LSTBCKPTIME: Time of last full backup.	UTF8 / Text
	LatestIncrementalBackupTime	REPL_LSTIBCKPTIME: Time of the last incremental backup.	UTF8 / Text
	CopyQueueLength	REPL_CPQLEN: Number of logs known by the copy that need to be replicated to the copy.	U64 / Precision 0
	ReplayQueueLength	REPL_RPLQLEN: Number of logs available to be replayed into the copy's database.	U64 / Precision 0
	CCRTargetNode	REPL_TARGET: CCRTargetNode	U64 / Precision 0
<p>EX2007_SENDER - This table has data specific to each Mailbox in an specific ADSite listing all the senders from which mails have been received, the storage groups, store names , Mailbox names, Email Addresses of each Sender, the total number of bytes of messages and the total number of messages sent from each sender. It classifies the sender servers into 3 categories: Exchange 2007, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-8X Dc-Get Top Sender Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i></p>	Server Name	SERVER_NAME: Name of the server from which mails have been sent to the specific Mailbox servers	UTF8 / Text
	ServerAdSite	ADSITE_NAME: Active Directory Site name in which the server to which mails have been received from the specific senders is present	UTF8 / Text
	SenderStorageGroup	SG_NAME: Name of the storage group of the specific senders	UTF8 / Text
	SenderStoreName	STORE_NAME: Name of the sender server store for the specific senders	UTF8 / Text
	SenderMbox	MBOX_NAME: Name of the sender mailbox for the specific senders	UTF8 / Text

<p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	SenderEmailAddr	EMAIL_ADDR: Email address of the specific senders from which mails have been sent to the specific mailbox server	UTF8 / Text
	TotalBytes	NUM_BYTES_SR: Size in bytes of the messages received from each sender	U64 / Precision 0
	nMsgCount	NUM_MSGS_SR: Number of messages received from each source	U64 / Precision 0
<p>EX2007_SOURCE - This table has data specific to each Mailbox in a specific ADSite listing all the sources from which mails have been received, the domain names of the source addresses, the total number of bytes of messages and the total number of messages sent from each source. It classifies the source servers into 3 categories: Exchange 2007, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-8X Dc-Get Top Source Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Hub Transport Server</p>	SourceAddr	SOURCE_ADDR: Actual source address from which mails have been sent to each Mailbox in a specific ADSite	UTF8 / Text
	SourceDomainName	DOMAIN_NAME: Domain name of the source servers from which mails have been sent to each Mailbox in a specific ADSite	UTF8 / Text
	SourceKey	SOURCE_KEY: Unique key to identify a particular source	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server to which mails have been received from the specific sources	UTF8 / Text
	AdSiteName	ADSITE_NAME: Active Directory Site name in which the server to which mails have been received from the specific sources is present	UTF8 / Text
	isInternal	IS_INTERNAL: Indicates if the source server is internal to your organization.	UTF8 / Text
	TotalBytes	NUM_BYTES_SRC: Size in bytes of the messages received from each source	U64 / Precision 0
	nMsgCount	NUM_MSGS_SRC: Number of messages received from each source	U64 / Precision 0

<p>EX2007_UMHUNT - This table has data on the the properties and values for an existing Unified Messaging (UM) hunt group</p> <p><i>Policy Name:</i> EXSPI-8X GetUMHuntGroup Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	PilotIdentifier	UMHUNT_PILOT: Number string that is used to uniquely identify the pilot access number for the specified IP gateway. It matches the subscriber access number that is configured in the UM dial plan.	UTF8 / Text
	UMDialPlan	UMHUNT_DIAL: Specifies the UM dial plan that is used with the UM hunt group	UTF8 / Text
	Name	UMHUNT_NAME: Specifies the UM hunt group name that is used for display purposes	UTF8 / Text
<p>EX2007_UMIPGWAY - This table has data on the list of properties and values for the list of UM IP gateways.</p> <p><i>Policy Name:</i> EXSPI-8X GetUMIPGatewayDetails</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	Address	UMIPGWAY_ADD: IP address that is configured on the IP gateway or SIP-enabled IP PBX.	UTF8 / Text
	OutcallsAllowed	UMIPGWAY_OUT: Specifies if Outgoing calls are allowed or not from the IP gateway	UTF8 / Text
	Status	UMIPGWAY_EN: Enable or disable calls that are destined for the IP gateway	UTF8 / Text
	Port	UMIPGWAY_PORT: Port at which the IP gateway is configured	U64 / Precision 0
	Simulator	UMIPGWAY_SIM: Allows a client to connect to the Unified Messaging server	UTF8 / Text
	Name	UMIPGWAY_NAME: Specifies the display name for the UM IP gateway	UTF8 / Text
<p>EX2007_UMMBOX - This table has data on the the Unified Messaging (UM) properties for a recipient who is UM-enabled. It</p>	AllowUMCallsFromNonUsers	UMMBOX_NONUSR: Specifies whether to exclude the mailbox from directory searches.	UTF8 / Text

<p>contains data on the UM properties for a single UM mailbox. It can also contain a list of UM-enabled mailboxes.</p> <p><i>Policy Name:</i> EXSPI-8X Get Unified Messaging Mailbox Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	AnonymousCallerCanLeaveMessages	UMMBOX_ANONYCALL: Specifies whether diverted calls without a caller ID will be allowed to leave a message.	UTF8 / Text
	AutomaticSpeechRecognitionEnabled	UMMBOX_SPCH: Specifies whether the user can use Automatic Speech Recognition when they log on to their mailbox This parameter can only be set to \$true if there is ASR support for the language selected by the user in Outlook Web Access Options.	UTF8 / Text
	DialPlan	UMMBOX_DIAL: Specifies the UM dial plan that is used with the UM Mailbox	UTF8 / Text
	DisplayName	UMMBOX_DNAME: Specifies the user to enable for Unified Messaging. The variables for this parameter include the following: ADOBJECTID, GUID, DN, Domain\Account, UPN, LegacyExchangeDN, SMTPAddress, Alias	UTF8 / Text
	FaxEnabled	UMMBOX_FAX: Specifies whether a user is allowed to receive incoming faxes.	UTF8 / Text
	MissedCallNotificationEnable	UMMBOX_MISSCALL: Specifies whether to send missed call notifications.	UTF8 / Text
	Name	UMMBOX_NAME: Specifies the display name for the user.	UTF8 / Text
	PrimarySmtpAddress	UMMBOX_PRISMTP: Specifies the primary SMTP address, which is the e-mail address that external users will see when they receive a message from this recipient.	UTF8 / Text
	ServerName	UMMBOX_SNAME: Name of the server	UTF8 / Text

	SubscriberAccessEnable	UMMBOX_SUBACC: Specifies whether the user is allowed subscriber access to their individual mailbox. If it is set to \$true, users, after they are authenticated, can retrieve voice mail over the telephone.	UTF8 / Text
	TUIAccessToAddressBookEnabled	UMMBOX_TUIBOOK: Specifies whether a user can access the directory and contact information over the telephone.	UTF8 / Text
	TUIAccessToCalendarEnabled	UMMBOX_TUICALL: Specifies whether users can access their individual calendaring over the telephone.	UTF8 / Text
	TUIAccessToEmailEnabled	UMMBOX_TUIMAIL: Specifies whether users can access their individual e-mail over the telephone.	UTF8 / Text
	UMEnabled	UMMBOX_EN: Specifies whether UM is enabled for this mailbox.	UTF8 / Text
	UMMailboxPolicy	UMMBOX_MPOL: Specifies the UM mailbox policy that is associated with the UM-enabled user's mailbox.	UTF8 / Text
	UMOperatorNumber	UMMBOX_OPER: Contains the string of digits for the personal operator.	UTF8 / Text
<p>EX2007_UMPIN - This table has information from a UM-enabled user's mailbox. This information is calculated from the PIN data that is stored in encrypted form in the user's mailbox.</p> <p><i>Policy Name:</i> EXSPI-8X Get UMMailbox Pin Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not</p>	UserID	<p>UMPIN_USER: Specifies the identifier that can be used to retrieve information about the mailbox. The variables for this parameter include the following:</p> <ul style="list-style-type: none"> • ADOBJECTID • GUID • DN • Domain\Account 	UTF8 / Text

<p>applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>		<ul style="list-style-type: none"> • UPN • LegacyExchangeDN • SmtAddress • Alias • PinExpired 	
	PinExpired	<p>UMPIN_EXP: Specifies whether the PIN will be treated as expired. If this parameter is supplied and is set to \$false, the user will not be required to reset their PIN the next time that they log on. If the PIN is not supplied, the PIN will be treated as expired and the user will be prompted to reset their PIN the next time that they log on.</p>	UTF8 / Text
	FirstTimeUser	<p>UMPIN_FRST: First time user</p>	UTF8 / Text
	LockedOut	<p>UMPIN_LOCK: Specifies whether the mailbox will continue to be locked. If set to \$true, the mailbox will be marked as locked out. By default, if this parameter is omitted or set to \$false, the task will clear the locked out status on a mailbox.</p>	UTF8 / Text
<p>EX2007_UMSRV - This table has data on the the properties for a single computer that is running Microsoft Exchange Server 2007 that has the Unified Messaging server role installed or displays a list of servers that are enabled for Unified Messaging (UM).</p> <p><i>Policy Name:</i> EXSPI-8X Get UMServer Details</p>	Name	<p>UMSRV_NAME: Specifies the ID for the Unified Messaging server object that is to be configured. This parameter specifies the directory object ID for the UM server.</p>	UTF8 / Text
	MaxCallsAllowed	<p>UMSRV_CALLS: Specifies the maximum number of concurrent calls that the Unified Messaging server will allow.</p>	U64 / Precision 0

<p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Unified Messaging Server</p>	MaxFaxCallsAllowed	UMSRV_FAX: Specifies the maximum number of concurrent fax calls that the Unified Messaging server will allow.	U64 / Precision 0
	MaxTTSSessionsAllowed	UMSRV_TTS: Specifies the maximum number of concurrent Text-to-Speech (TTS) sessions that the Unified Messaging server will allow.	U64 / Precision 0
	MaxASRSessionsAllowed	UMSRV_ASR: Specifies the maximum number of concurrent Automatic Speech Recognition (ASR) sessions.	U64 / Precision 0
	Status	UMSRV_STATUS: Status lets the administrator manipulate the Unified Messaging server status. Enabled, Disabled, and NoNewCalls are the available options.	UTF8 / Text
<p>EX2007_SPAMSTATS - This table contains details about spam mails. It stores details about the number of spam mails corresponding to each action type that was taken depending on the configuration. The data is collected from the performance object MExchange Content Filter Agent.</p> <p><i>Policy Name:</i> EXSPI-8X-Dc-HubMonitor SPAMStatistics EXSPI-8X-Dc-EdgeMonitorSPAMStatistics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchange Content Filter Agent (For Messages Deleted metrics, Messages Quarantined metrics, and Messages Rejected metrics)</p>	Not applicable	TIMESTAMP: The date and time at which the event occurred	UTF8 / Text
	Not applicable	SERVER_NAME: The Exchange server name for which the data is collected.	UTF8 / Text
	Not applicable	INSTANCE: The instance for which the data is collected. For spam statistics the _total instance is used.	UTF8 / Text
	Messages Deleted (Performance object is MExchange Content Filter Agent)	DELETED: Messages Deleted is the total number of messages that were deleted by Content Filter Agent.	U64 / Precision 0

<p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-8X-Dc-Hub MonitorSPAM Statistics</p>	<p>Messages Quarantined (Performance object is MExchange Content Filter Agent)</p>	<p>QUARANTINED: Messages Quarantined is the total number of messages that were quarantined by Content Filter Agent.</p>	<p>U64 / Precision 0</p>
<p>SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-8X-Dc- EdgeMonitor SPAMStatistics</p>	<p>Messages Rejected (Performance object is MExchange Content Filter Agent)</p>	<p>REJECTED: Messages Rejected is the total number of messages that were rejected by Content Filter Agent.</p>	<p>U64 / Precision 0</p>
<p>EX2007_BLOCKEDMAILS - This table stores information about the mails that were blocked by various transport agents. The information is collected by running the cmd-let get-AgentLogData once per day.</p> <p><i>Policy Name:</i> EXSPI-8X-Dc-HubAgentLog BlockedData</p> <p>EXSPI-8X-Dc- EdgeAgentLog BlockedData</p> <p><i>Policy Type:</i> Schedule Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-8X-Dc- HubAgentLog BlockedData</p> <p>SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-8X-Dc- EdgeAgentLog BlockedData</p>	<p>Not applicable</p>	<p>TIMESTAMP: The date and time at which the event occurred.</p>	<p>UTF8 / Text</p>
		<p>SERVER_NAME: The Exchange server name for which the data is collected.</p>	<p>UTF8 / Text</p>
		<p>IPADDRESS: The ip address from which the mail was sent.</p>	<p>UTF8 / Text</p>
		<p>SENDERADDRESS: The sender e-mail address specified in MAIL FROM: in the message envelope.</p>	<p>UTF8 / Text</p>
		<p>ACTION_TAKEN: The action that is performed on the message by the agent.</p>	<p>UTF8 / Text</p>
		<p>REASON: The reason for the action that is supplied by the agent.</p>	<p>UTF8 / Text</p>
		<p>REASONDATA: The descriptive details for the action that is supplied by the agent.</p>	<p>UTF8 / Text</p>
		<p>DOMAIN: The domain from which the mail was sent.</p>	<p>UTF8 / Text</p>
<p>AGENT: The name of the agent that took the action.</p>	<p>UTF8 / Text</p>		

		ISHUBTRANSPORTSERVER: Specifies if the Exchange server is a hub transport or an edge server.	UTF8 / Text
		REMOTEENDPOINT: The IP address and port number of the previous SMTP server that connected to this server to deliver the message.	UTF8 / Text
<p>EX2007_BLOCKEDRCPTS - This table stores information about users who were the intended recipients of the mails that were blocked. It also stores other information about the blocked mails.</p> <p>The information is collected by running the cmd-let get-BlockedRecipient once per day.</p> <p><i>Policy Name:</i> SPI-8X-Dc-HubAgentLog BlockedRcpts</p> <p>EXSPI-8X-Dc- EdgeAgentLog BlockedRcpts</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-8X-Dc-HubAgentLog BlockedRcpts</p> <p>SPI for Exchange → en → Exchange 2007 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-8X-Dc-EdgeAgentLogBlockedRcpts</p>	Not applicable	TIMESTAMP: The date and time at which the event occurred.	UTF8 / Text
		SERVER_NAME: The Exchange server name for which the data is collected.	UTF8 / Text
		RECIPIENTADDRESS: The recipient address to which the mail was destined.	UTF8 / Text
		AGENT: The name of the agent that took the action.	UTF8 / Text
		REASON: The reason for the action that is supplied by the agent.	UTF8 / Text
		REASONDATA: The descriptive details for the action that is supplied by the agent.	UTF8 / Text
		ISHUBTRANSPORTSERVER: Specifies if the Exchange server is a hub transport or an edge server.	UTF8 / Text
EX2007_MFLAT - This table contains mail flow latency, the	Originating Server	ORIGIN_SERVER: The server from which the mail flow test is	UTF8 / Text

<p>originating server, and the destination server between which the test was performed. It also contains the status of the test and other relevant information. The data is collected from the cmdlet Get-MailFlowLatency (a customized cmdlet available in the PowerShell Snap-in GetExspiPS SnapIn) at every 30 minutes and logged into the table without further processing.</p> <p><i>Policy Name:</i> EXSPI-8X Dc-GetMailFlow Latency</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2007 → Manual Deploy Groups → Mailbox Server → Mail Flow → EXSPI-8X Dc-GetMailFlowLatency</p>		initiated.	
	Originating Site	ORIGIN_SITE: The site to which the originating server belongs to.	UTF8 / Text
	Destination Server	DESTIN_SERVER: The server to which the mail flow test was performed.	UTF8 / Text
	Destination Site	DESTIN_SITE: The site to which the destination server belongs to.	UTF8 / Text
	Latency	LATENCY_SECONDS: The time taken (in seconds) for the test mail to be delivered to the destination server.	R64 / Precision 2
	Status	STATUS: Indicates if the mail flow test was a success or a failure.	UTF8 / Text
IsRemoteTest	ISREMOTETEST: Indicates if the mail flow test that was performed was a local test or a remote test.	UTF8 / Text	

Data Store Table for Microsoft Exchange 2010 Server

The Microsoft Exchange SPI creates the following data tables for Microsoft Exchange Server 2010 metrics in the data store on the node to facilitate the data-collection procedure.

Data Store Details

Table and Policy Details	Metrics/Performance Counter	Data Store Column and Description	Metric Data Type CODA / PA
<p>EXSPI_ATTACHFILTER - This table has data on the performance object "MSEExchange Attachment Filtering". In Microsoft Exchange Server 2010, attachment filtering lets you apply filters at the server level to control the attachments that users receive.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Attachment Filtering</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Attachment Filtering</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages Filtered/Sec	MSGFILTERPERSEC: Number of messages being filtered per second by the attachment filtering agent	U64 / Precision 0
	Messages Attachment Filtered	MSGATT_FILTERED: Number of messages that were either blocked, attachment-stripped or silent-deleted (as per configuration) by the attachment filtering agent.	U64 / Precision 0
<p>EXSPI_CONNFILTER - This table has data for the performance object "MSEExchangeConnection</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>Filtering Agent"; The Connection Filter agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2010 Edge Transport server role installed.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Connection Filtering Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Connection Filtering Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Connections on IP Allow List	CONNIPALLOWLIST: Number of connections on the IP Allow list.	U64 / Precision 0
	Connections on IP Block List Providers	CONNIPBCKLISTPVD: Number of connections on the IP Block List providers.	U64 / Precision 0
	Connections on IP Block List	CONNIPBCKLIST: Number of connections on the IP Block list.	U64 / Precision 0
	Connections on IP Allow List Providers	CONNIPALLOWLISTPVD: Number of connections on the IP Allow List providers.	U64 / Precision 0
<p>EXSPI_CONTENTFILTER - This table has data for the performance object "MSEExchangeContent Filtering Agent"; The Content Filter agent is one of several anti-spam agents. The Content Filter agent assigns a spam confidence level (SCL) rating to each message. The SCL rating is a number between 0 and 9. A higher SCL rating indicates that a message is more likely to be spam.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Content Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeContent Filtering</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages with SCL 1	MSGWITHSCL1: Number of messages assigned an SCL rating of 1.	U64 / Precision 0
	Messages with SCL 0	MSGWITHSCL0: Number of messages assigned an SCL rating of 0.	U64 / Precision 0
	Messages with SCL 2	MSGWITHSCL2: Number of messages assigned an SCL rating of 2.	U64 / Precision 0
Messages with SCL 3	MSGWITHSCL3: Number of messages assigned an SCL rating of 3.	U64 / Precision 0	

Agent <i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent	Messages with SCL 4	MSGWITHSCL4: Number of messages assigned an SCL rating of 4.	U64 / Precision 0
	Messages with SCL 5	MSGWITHSCL5: Number of messages assigned an SCL rating of 5.	U64 / Precision 0
	Messages with SCL 6	MSGWITHSCL6: Number of messages assigned an SCL rating of 6.	U64 / Precision 0
	Messages with SCL 7	MSGWITHSCL7: Number of messages assigned an SCL rating of 7.	U64 / Precision 0
	Messages with SCL 8	MSGWITHSCL8: Number of messages assigned an SCL rating of 8.	U64 / Precision 0
	Messages with SCL 9	MSGWITHSCL9: Number of messages assigned an SCL rating of 9.	U64 / Precision 0
	Messages Quarantined	MSGQUARANTINED: Number of messages that were quarantined by Content Filter Agent.	U64 / Precision 0
	Messages Deleted	MSGDELETED: Number of messages that were deleted by Content Filter Agent.	U64 / Precision 0
	Messages that Bypassed Scanning	MSGBYPASSSCAN: Number of messages that bypass scanning	U64 / Precision 0
	Messages Scanned	MSGSCANNED: Number of messages scanned by Content Filter Agent.	U64 / Precision 0
Messages Rejected	MSGREJECTED: Number of messages that were rejected by Content Filter Agent.	U64 / Precision 0	
EXSPI_FDSOAB - This table contains data on the performance object "MSExchangeFDS:OAB"; Microsoft Exchange File	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>Distribution Service is responsible for downloading Offline Address Book (OAB) content from the Exchange server that is configured to be the OAB generation server. Each attempt to download an OAB by a Client Access server is considered a download task.</p> <p><i>Policy Name:</i> EXSPI-14X CAS Collect FDS Metrics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeFDS:OAB</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Client Access Server → File Distribution Service</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Download Task Queued	TASK_QUEUED: Download Task Queued is '1' if task is queued for execution, otherwise '0.'	U64 / Precision 0
	Download Tasks Completed	TASKS_COMPLETED: Number of OAB download tasks completed.	U64 / Precision 0
<p>EXSPI_FDSUM - This table contains data on the performance object "MExchangeFDS:UM"</p> <p><i>Policy Name:</i> EXSPI-14X UM Collect FDS Metrics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeFDS:UM</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server → File Distribution Service</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Download Task Queued	TASK_QUEUED: Has a value of 1 if a download task is waiting to start running. Otherwise, the value is 0.	U64 / Precision 0
	Download Tasks Completed	TASKS_COMPLETED: Count of the number of UM dial plan downloads that have been completed since the service started.	U64 / Precision 0
<p>EXSPI_HUBTRANSDSN - This table contains data on the performance object</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>"MSExchangeTransport DSN"; Delivery status notifications (DSNs) notify the Microsoft Exchange Server 2010 administrator or e-mail sender of the status of a particular message. This performance object monitors the number of different DSNs generated</p> <p><i>Policy Name:</i> EXSPI-14X HUB Transport DSN</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeTransport DSN</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Failure DSNs Total	FAIL_DSNS_TOTAL: Number of failure delivery status notifications (DSNs) that have been generated.	R64 / Precision 2
	Delay DSNs	DELAY_DSNS: Number of delivery status notifications (DSNs) that have been generated.	R64 / Precision 2
<p>EXSPI_IMAP4PERF - This table has data on the performance object "MSExchangeIMAP4"</p> <p><i>Policy Name:</i> EXSPI-14X Dc-IMAP4 Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i></p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Client Access Server → IMAP4</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 /Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Total Connections	IMAP4CON: Number of connections that have been opened since the IMAP service was started.	U64 / Precision 0
	Connections Failed	IMAP4FAILEDCON: Number of connections that have failed since the IMAP service was started.	U64 / Precision 0
Connections Rejected	IMAP4REJECTEDCON: Number of connections that have been rejected since the IMAP service was started.	U64 / Precision 0	
EXSPI_ISCLIENT - This table	Client: Latency > 10 sec RPCs	ISCLATENCY10: Number of	U64 /

<p>has data on the performance object "MSEExchangeIS"</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Outlook Client</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeIS</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Outlook Performance</p>		successful RPCs with latencies > 10 seconds.	Precision 0
	Client: Latency > 5 sec RPCs	ISCLATENCY5: Number of successful RPCs with latencies > 5 seconds.	U64 / Precision 0
	Client: Latency > 2 sec RPCs	ISCLATENCY2: Number of successful RPCs with latencies > 2 seconds.	U64 / Precision 0
	Client: RPCs attempted	ISRPCATTEMPT: Number of RPCs attempted by the users (since the store was started).	U64 / Precision 0
	Client: RPCs succeeded	ISRPCSUCCEED: Number of successful RPCs (since the store was started).	U64 / Precision 0
	Client: RPCs Failed	ISRPCFAIL: Number of failed RPCs (since the store was started).	U64 / Precision 0
	Client: RPCs Failed: Server Unavailable	ISRPCFUNAV: Number of failed RPCs (since the store was started) due to the Server Unavailable RPC error.	U64 / Precision 0
	Client: RPCs Failed: Server Too Busy	ISRPCFBUSY: Number of failed RPCs (since the store was started) due to the Server Too Busy RPC error.	U64 / Precision 0
	Client: RPCs Failed: Call Cancelled	ISRPCFCANCEL: Number of failed RPCs (since the store was started) due to the Call Cancelled RPC error.	U64 / Precision 0
	Client: RPCs Failed: Call Failed	ISRPCFCALLFAIL: Number of failed RPCs (since the store was started) due to the Call Failed RPC error.	U64 / Precision 0
Client: RPCs Failed: Access Denied	ISRPCFACCESSDENY: Number of failed RPCs (since the store was started) due to the Access Denied RPC error.	U64 / Precision 0	

	Client: RPCs Failed: All other errors	ISCRPCFOTHER: Number of failed RPCs (since the store was started) due to all other RPC errors.	U64 / Precision 0
<p>EXSPI_ISPERF - This table has data on the performance object "MSEExchangeIS"</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Information Store Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeIS</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Performance</p>	RPC Requests	RPCREQUESTS: Number of client requests that are currently being processed by the information store.	U64 / Precision 0
	RPC Operations/sec	RPCOPERATIONSPERSEC: Rate that RPC operations occur.	R64 / Precision 2
	VM Largest Block Size	ISVMLARGESTBLOCK: Size of the largest free virtual memory block.	U64 / Precision 0
	VM Total Large Free Block Bytes	ISVMLARGEFREEBB: Number of bytes in free Virtual Memory blocks larger than or equal to 16MB.	U64 / Precision 0
	VM Total 16MB Free Blocks	ISVM16MBFREE: Number of free Virtual Memory blocks larger than or equal to 16MB.	U64 / Precision 0
	User Count	ISUSERCNT: Number of users connected to the information store.	U64 / Precision 0
	Connection Count	ISCONNECTCNT: Number of client processes connected to the information store.	U64 / Precision 0
	Anonymous User Count	ISANONUSERCNT: Number of anonymous users connected to the information store.	U64 / Precision 0
	Active User Count	ISACTIVEUSERCNT: Number of user connections that have shown some activity in the last 10 minutes.	U64 / Precision 0
	Active Connection Count	ISACTIVECONNECTCNT: Number of connections that have shown some activity in the last 10 minutes.	U64 / Precision 0

	Active Anonymous User Count	ISACTIVEANONUSERCNT: Number of active users.	U64 / Precision 0
<p>EXSPI_MBPERF - This table has data on the performance object "MSEExchangeIS Mailbox"</p> <p><i>Policy Name:</i> EXSPI-14X Dc-IS Mailbox Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeIS Mailbox</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Receive Queue Size	MBRECEIVEQ: Number of messages in the mailbox store's receive queue.	U64 / Precision 0
	Average delivery Time	MBDELIVERYTIME: Average time in miliseconds between the submission of a message to the mailbox store and the delivery to all local recipients (recipients on the same server) for the last 10 messages.	U64 / Precision 0
	Local Deliveries	MBLOCALDELIVER: Number of messages delivered locally	U64 / Precision 0
	Messages Delivered	MBDELIVER: Number of messages delivered to all recipients since startup.	U64 / Precision 0
	Messages Sent	MBSSENT: Number of messages sent to the transport since startup.	U64 / Precision 0
	Messages Submitted	MBSUBMITTED: Number of messages submitted by clients since service startup.	U64 / Precision 0
	Messages Recipients Delivered	MBRECIPIENT: Number of recipients that have received a message since startup.	U64 / Precision 0
	Active Client Logons	MBACTIVELOGON: Number of clients that performed any action within the last ten minute time interval.	U64 / Precision 0

	Client Logons	MBLOGON: Number of clients (including system processes) currently logged on.	U64 / Precision 0
	Peak Client Logons	MBLOGONPEAK: Maximum number of concurrent client logons since the service started.	U64 / Precision 0
	Single Instance Ratio	MBSIRATIO: Number of references to each message in the mailbox store.	R64 / Precision 2
	Total Count of Recoverable Items	MBRECOVERITEMS: Number of items retained for Item Recovery	U64 / Precision 0
	Total Size of Recoverable Items	MBRECOVERSIZE: Total size in kilobytes of items retained for Item Recovery	U64 / Precision 0
<p>EXSPI_PFPERF - This table has data on the performance object "MSExchangeIS Public".</p> <p><i>Policy Name:</i> EXSPI-14X Dc-IS Public Folder Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeIS Public</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Receive Queue Size	PFRECEIVEQ: Number of messages in the public store's receive queue.	U64 / Precision 0
	Average Delivery Time	PFDELIVERYTIME: Average time in miliseconds between the submission of a message to the public store and the delivery to all local recipients (recipients on the same server) for the last 10 messages.	U64 / Precision 0
	Messages Delivered	PFDELIVER: Number of messages delivered to all recipients since startup.	U64 / Precision 0
	Messages Sent	PFSENT: Number of messages sent to the transport since startup.	U64 / Precision 0

	Messages Submitted	PFSUBMITTED: Number of messages submitted by clients since service startup.	U64 / Precision 0
	Message Recipients Delivered	PFRECIPIENT: Number of recipients that have received a message since startup.	U64 / Precision 0
	Active Client Logons	PFACTIVELOGON: Number of clients that performed any action within the last ten minute time interval.	U64 / Precision 0
	Client Logons	PFLOGON: Number of clients (including system processes) currently logged on.	U64 / Precision 0
	Peak Client Logons	PFLOGONPEAK: Number of concurrent client logons since the service started.	U64 / Precision 0
	Single Instance Ratio	PFSIRATIO: Number of references to each message in the public store.	R64 / Precision 2
	Total Count of Recoverable Items	PFRECOVERITEMS: Number of items retained for Item Recovery	U64 / Precision 0
	Total Size of Recoverable Items	PFRECOVERSIZE: Size in kilobytes of items retained for Item Recovery	U64 / Precision 0
	Replication Messages Received	PFREPRCVD: Number of replication messages received from other servers since service startup.	U64 / Precision 0
	Replication Messages Sent	PFREPRESENT: Number of replication messages that have been sent to other servers since service startup.	U64 / Precision 0
	Replication Receive Queue Size	PFREPOQ: Number of replication messages waiting to be processed.	U64 / Precision 0
EXSPI_POP3PERF - This table has data on the performance object	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text

<p>"MSEExchangePOP3".</p> <p><i>Policy Name:</i> EXSPI-14X Dc-POP3 Performance</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangePOP3</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Client Access Server → POP3</p>	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Connections Total	POP3CON: Number of connections that have been opened since the POP service was started.	U64 / Precision 0
	Connections Failed	POP3FAILEDCON: Number of connections that have failed since the POP service was started.	U64 / Precision 0
	Connections Rejected	POP3REJECTEDCON: Number of connections that have been rejected since the POP service was started.	U64 / Precision 0
	DELE Total	POP3DELE: Number of DELE commands that have been received since the POP service was started.	U64 / Precision 0
	RETR Total	POP3RETR: Number of RETR commands that have been received since the POP service was started	U64 / Precision 0
	<p>EXSPI_PRTAGT - This table has data on the performance object "MSEExchange Protocol Analysis Agent".</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Protocol</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Protocol Analysis Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en →</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter
Server Name		SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
Senders Blocked Because of Local Open Proxy		SENBCK_LOPNPXY: Number of senders blocked because of a local open proxy.	U64 / Precision 0
Senders Blocked Because of Local SRL		SENBCK_LCKEDLSRL: Number of senders blocked because of local sender reputation level (SRL).	U64 / Precision 0

Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent	Senders Blocked Because of Remote SRL	SENDBCK_LCKEDRSRL: Number of senders blocked because of remote sender reputation level (SRL).	U64 / Precision 0
	Senders Blocked Because of Remote Open Proxy	SENDBCK_ROPENPXY: Number of senders blocked because of a remote open proxy.	U64 / Precision 0
	Senders Bypass Local SRL calculation	SENDBYPASS_LSRLCALC: Number of senders that bypass local Sender Reputation Level (SRL) calculation.	U64 / Precision 0
	Senders Processed	SENDPROCESSED: Number of senders processed.	U64 / Precision 0
<p>EXSPI_RECPFILTER - This table has data for the performance object "MSEExchange Recipient Filtering Agent"; The Recipient Filter agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2010 Edge Transport server role installed. The Recipient Filter agent blocks messages according to the characteristics of the intended recipient in the organization.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Recipient Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Recipient Filtering Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Recipients Rejected by Recipient Validation	RECPREJ_RECVALIDATION: Number of recipients rejected by recipient validation.	U64 / Precision 0
	Recipients Rejected by Block List	RECPREJ_BCKLIST: Number of recipients rejected by block list.	U64 / Precision 0

<p>EXSPI_SENDERID - This table has data for the performance object "MSEExchange Sender Id Agent"; The Sender ID agent is an anti-spam agent that is enabled on computers that have the Microsoft Exchange Server 2010 Edge Transport server role installed. When you enable Sender ID, each message contains a Sender ID status in the metadata of the message. When an e-mail message is received, the Edge Transport server queries the sender's DNS server to verify that the IP address from which the message was received is authorized to send messages for the domain that is specified in the message headers. The Sender ID evaluation process generates a Sender ID status for the message. The Sender ID status is used to evaluate the SCL rating for the message.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Sender ID Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Sender Id Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Exchange Server on which the data is being collected	UTF8 / Text
	Messages That Bypassed Validation	MSGBYPASSED: Number of messages that bypassed validation by the Sender Id agent.	U64 / Precision 0
	Messages Validated with a SoftFail Result	MSGSOFTFAILED: Number of messages validated with a result of SoftFail.	U64 / Precision 0
	Messages Validated with a Neutral Result	MSGNEUTRALRESULT: Number of messages validated with a result of Neutral.	U64 / Precision 0
	Messages Validated with a Fail - Malformed Domain Result	MSGFAILMALDOMAIN: Number of messages validated with a result of Fail - Malformed Domain.	U64 / Precision 0
	Messages Validated	MSGVALIDATED: Number of messages validated by the Sender Id agent.	U64 / Precision 0
	Messages Validated with a Pass Result	MSGPASSRESULT: Number of messages validated with a result of Pass.	U64 / Precision 0
	Messages Validated with a TempError Result	MSGTEMPERROR: Number of messages validated with a result of TempError.	U64 / Precision 0
	Messages Validated with a None Result	MSGNONERESULT: Number of messages validated with a result of None.	U64 / Precision 0
Messages Validated with a Fail - Non-existent Domain Result	MSGFAIL_NONEXISTDMN: Number of messages validated with a result of Fail - Non-existent Domain.	U64 / Precision 0	
Messages Validated with a PermError Result	MSGPERMERROR: Number of messages validated with a result of PermError.	U64 / Precision 0	

	Messages Missing Originating IP	MSGMISSORGIP: Number of messages for which the originating IP could not be determined.	U64 / Precision 0
	Messages With No PRA	MSGWITHNOPRA: Number of messages that do not have a valid PRA.	U64 / Precision 0
	Messages Validated with a Fail - Not Permitted Result	MSGFAIL_NOTPERMIT: Number of messages validated per second with a result of Fail - Not Permitted.	U64 / Precision 0
<p>EXSPI_SENDFILTER - This table has data for the performance object "MSEExchange Sender Filter Agent"; The Sender Filter agent is an anti-spam filter that is enabled on computers that have the Microsoft Exchange Server 2010 Edge Transport server role installed. The Sender Filter agent acts on messages from specific senders outside the organization.</p> <p><i>Policy Name:</i> EXSPI-14X Edge DC-MSEExchange Sender Filter Agent</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchange Sender Filter Agent</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → EXSPI Edge Transport Agent</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Messages Evaluated by Sender Filter	MSGEVALUATED: Number of messages evaluated by the Sender Filter agent.	U64 / Precision 0
	Messages Filtered by Sender Filter	MSGFILTERED: Number of messages filtered by the Sender Filter agent.	U64 / Precision 0
<p>EXSPI_SMTPRECV - This table has data on the performance object "MSEExchangeTransport SmtprReceive".</p> <p><i>Policy Name:</i> EXSPI-14X Edge</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text

<p>Dc-SMTP Perf Inbound Cnn</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeTransport SmtptReceive</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP</p>	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	Bytes Received Total	SMTPBYTERECV: Number of bytes received.	U64 / Precision 0
	Message Bytes Received Total	SMTPMSGRECV: Number of bytes in messages received and committed to database. This includes the headers that are inserted by the SMTP server and is the actual number of bytes that are written to database	U64 / Precision 0
	Messages Received Total	SMTPMSGBYTERECV: Number of messages received by the SMTP server.	U64 / Precision 0
	Connections Current	SMTPCONNCURR: Number of inbound connections to the SMTP server.	U64 / Precision 0
	Connections Total	SMTPCONNTOT: Number of connections ever made to the SMTP server.	U64 / Precision 0
<p>EXSPI_SMTPTSEND - This table has data on the performance object "MExchangeTransport SmtptSend".</p> <p><i>Policy Name:</i> EXSPI-14X Edge Dc-SMTP Perf Outbound Cnn</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchangeTransport SmtptSend</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server → SMTP</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Admin Display Name	ADMINDISPLAY_NAME: Displays name	UTF8 / Text
	BytesSentTotal	SMTPBYTESEND: Number of bytes sent.	U64 / Precision 0
	MessagesSentTotal	SMTPMSGSEND: Number of messages sent by the SMTP Send connector.	U64 / Precision 0
	MessageBytesSentTotal	SMTPMSGBYTESEND: Number of bytes sent. This number includes only those	U64 / Precision 0

		messages that were successfully sent.	
	ConnectionsCurrent	SMTPCONNCURR: Number of outbound connections from the SMTP Send connector.	U64 / Precision 0
	ConnectionsTotal	SMTPCONNTOT: Number of connections ever made from the SMTP Send connector.	U64 / Precision 0
<p>EXSPI_TRANSQ - This table has data on the performance object "MSExchangeIMAP4".</p> <p><i>Policy Name:</i> EXSPI-14X Dc Transport Queues</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchangeIMAP4</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	Instance Name	INSTANCE_NAME: Perfmon instance name of the counter	UTF8 / Text
	Server Name	SERVER_NAME: Name of the Exchange Server on which the data is being collected	UTF8 / Text
	Poison Queue Length	POISON_Q_LENGTH: Number of messages in the poison message queue.	U64 / Precision 0
	Submission Queue Length	SUB_Q_LENGTH: Number of messages in the Submission queue.	U64 / Precision 0
	Retry Non-Smtp Delivery Queue Length	RETRY_NONSMTP_QLEN: Number of messages in retry in the non-SMTP gateway delivery queues.	U64 / Precision 0
	Aggregate Delivery Queue Length (All Queues)	AGGDEL_ALLQ_LEN: Number of messages queued for delivery in all queues.	U64 / Precision 0
	Unreachable Queue Length	UNREACH_Q_LENGTH: Number of messages in the Unreachable queue.	U64 / Precision 0
	Retry Mailbox Delivery Queue Length	RET_MD_Q_LEN: Number of messages in retry.	U64 / Precision 0
	Active Remote Delivery Queue Length	ACT_REM_DQLENGTH: Number of messages in the active remote delivery queues.	U64 / Precision 0

	Active Non-Smtp Delivery Queue Length	ACT_NONSMTP_DQLENG: Number of messages in the Drop directory that is used by a Foreign connector.	U64 / Precision 0
	Retry Remote Delivery Queue Length	RET_REM_DQLENGTH: Number of messages in retry in the remote delivery queues.	U64 / Precision 0
	Largest Delivery Queue Length	LARG_DQ_LENGTH: Number of messages in the largest delivery queue.	U64 / Precision 0
	Active Mailbox Delivery Queue Length	ACT_MDQ_LENGTH: Number of messages in the active mailbox queues.	U64 / Precision 0
<p>EXSPI_UMAUTO_ATTEN - This table contains data on the performance object "MSEExchangeUMAAutoAttendant"; UM auto attendants can be used to create a voice menu system for an organization that lets external and internal callers move through the UM auto attendant menu system to locate and place or transfer calls to company users or departments in an organization.</p> <p><i>Policy Name:</i> EXSPI-14X UM DC-SEExchangeUMAAutoAttendant</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeUMAAutoAttendant</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 Manual Deploy Groups → Unified Messaging Server</p>	Business Hours Calls	BUSS_HR_CALLS: Number of calls processed by this auto attendant during business hours.	U64 / Precision 0
	Operator Transfers	OPER_TRANSFERS: Number of calls that have been transferred to the operator.	U64 / Precision 0
	Out of Hours Calls	OUT_OF_HR_CALLS: Number of calls that have been processed by this auto attendant outside of business hours.	U64 / Precision 0
	Average Call Time	AVERAGE_CALL_TIME: Average length of time that callers interacted with the auto attendant.	UTF8 / Text
<p>EXSPI_UMAVAIL - This table contains data on the performance object "MSEExchangeUMAvailability";</p>	Calls Disconnected by UM on Irrecoverable External Error	CALLS_DISCN_EXT_ERR: Number of calls disconnected after an irrecoverable external error occurred.	U64 / Precision 0

<p><i>Policy Name:</i> EXSPI-14X UM DC-MSEExchangeUMAvailability</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeUMAvailability</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Calls Disconnected on Irrecoverable Internal Error	CALLS_DISCN_INT_ERR: Number of calls disconnected after an internal system error occurred.	U64 / Precision 0
	Hub Transport Access Failures	HUB_ACCESS_FAIL: Number of times that attempts to access a Hub Transport server failed. This number is only incremented if all Hub Transport servers were unavailable	U64 / Precision 0
	Mailbox Server Access Failures	MSERV_ACCESS_FAIL: Number of times the system did not access a Mailbox server.	U64 / Precision 0
	Directory Access Failure	DIR_ACCESS_FAIL: Number of times that attempts to access Active Directory failed.	U64 / Precision 0
<p>EXSPI_UMCALLANS - This table contains data on the performance object "MSEExchangeUMCallAnswer";</p> <p><i>Policy Name:</i> EXSPI-14X UM DC-MSEExchangeUMCallAnswer</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSEExchangeUMCallAnswer</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Average Voice Message Size	AV_VMSG_SIZE: Average size, in seconds, of voice messages left for subscribers.	U64 / Precision 0
	Call Answering Missed Calls	CALL_ANSMISSED_CALLS: Number of times a diverted call was dropped without a message being left	U64 / Precision 0
<p>EXSPI_UMFAX - This table contains data on the performance object "MSEExchangeUMFax";</p> <p><i>Policy Name:</i> EXSPI-14X UM DC-MSEExchangeUMFax</p> <p><i>Policy Type:</i> Measurement Threshold</p>	Fax Messages	FAX_MSG: Number of fax messages received.	U64 / Precision 0

<p><i>Performance Object:</i> MSExchangeUMFax</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Fax Incomplete	FAX_INCOMPLETE: Number of fax calls that were dropped before completion.	U64 / Precision 0
<p>EXSPI_UMGENERAL - This table has data on the performance counter "MSExchange General";</p> <p><i>Policy Name:</i> EXSPI-14X UM DC-MSExchangeUMGeneral</p> <p><i>Policy Type:</i> Measurement Threshold</p>	Delayed Calls	DELAYED_CALLS: Number of calls that experienced one or more delays longer than 2 seconds.	U64 / Precision 0
<p><i>Performance Object:</i> MSExchange General</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Total Calls	TOTAL_CALLS: Number of calls since the service was started.	U64 / Precision 0
<p>EXSPI_UMSUBACCESS - This table has data on the performance counter "MSExchange UMSubscriberAccess"; A subscriber is an internal business user or network user who is enabled for Exchange 2010 Unified Messaging. Subscriber access is used by users to access their individual mailboxes to retrieve e-mail, voice messages, contacts, and calendaring information.</p> <p><i>Policy Name:</i> EXSPI-14X UM DC-MSExchangeUMSubscriberAccess</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MSExchange</p>	Voice Messages Sent	VOICE_MSG_SENT: Number of voice messages that have been sent by authenticated UM subscribers.	U64 / Precision 0
	Email Message Queue Accessed	EMAIL_MSGQ_ACCESSED: Number of times subscribers accessed their e-mail message queue by using the telephone user interface.	U64 / Precision 0
	Average Subscriber Call Duration	AVER_SUB_CALL_DURA: Average duration, in seconds, that subscribers spent logged on to the system. This timer starts when logon completes.	U64 / Precision 0

<p>UMSubscriberAccess</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Email Messages Heard	EMAIL_MSG_HEARD: Number of e-mail messages that have been heard by authenticated subscribers.	U64 / Precision 0
<p>EXSPI_AGCFG - This table has data on the configuration of a transport agent on a computer that has the Edge Transport server role or the Hub Transport server role installed in a Microsoft Exchange Server 2010 organization.</p> <p><i>Policy Name:</i> EXSPI-14X Edge Get Configuration of the Transport Agent</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server</p>	Identity	AGCFG_ID: Specifies the display name of the transport agent to be displayed	UTF8 / Text
	Enabled	AGCFG_EN: Specifies if the transport agent mentioned is enabled or disabled	UTF8 / Text
	Priority	AGCFG_PRI: Specifies the priority of the transport agent. The priority of the transport agent controls the order in which the transport agents process e-mail messages. The priority must be a value between 0 and the maximum number of transport agents. The default behavior is to append a new transport agent to the end of the priority list. Transport agents with a priority closest to 0 process e-mail messages first	U64 / Precision 0
<p>EXSPI_AVAILABILITY - This table has data on availability of the Exchange Server where it resides.</p> <p><i>Policy Name:</i> EXSPI-14X Get Exchange Availability</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Availability</p>	Server	SERVER_NAME: Name of the Exchange Server where the data is being collected	UTF8 / Text
	ADSite	ADSITE_NAME: Name of the Active Directory Site where the Exchange Server (where the data is being collected) resides	UTF8 / Text
	Role	SERVER_ROLE: Server role (Mailbox Server role or Cklient Access Server role or Unified Messaging Server Role or Hub Transport server Role or Edge Transport server Role) for the exchange server where the data is being collected	UTF8 / Text

	Availability	AVAILABILITY: Availability of the services (if the services are up, the availability is 1) required to run Exchange server for that particular role	U64 / Precision 0
<p>EXSPI_DEST - This table has data specific to each Mailbox in a specific ADSite listing all the destinations to which mails have been sent, the domain names of the destination addresses, the total number of bytes of messages and the total number of messages sent to each destination. It classifies the destination servers into 3 categories: Exchange 2010, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Get Top Destination Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	DestinationAddr	DEST_ADDR: Actual destination address to which mails have been sent from each Mailbox in a specific ADSite	UTF8 / Text
	DestinationDomainName	DOMAIN_NAME: Domain name of the destination servers to which mails have been sent from each Mailbox in a specific ADSite	UTF8 / Text
	DestinationKey	DEST_KEY: Unique key to identify a particular destination	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server from which mails have been sent to the specific destinations	UTF8 / Text
	AdSiteName	ADSITE_NAME: Active Directory Site name in which the server from which mails have been sent to the specific destinations is present	UTF8 / Text
	isInternal	IS_INTERNAL: Size in bytes of the messages sent to each destination	UTF8 / Text
	TotalBytes	NUM_BYTES_DR: Number of messages sent to each destination	U64 / Precision 0
	nMsgCount	NUM_MSGS_DR: Actual destination address to which mails have been sent from each Mailbox in a specific ADSite	U64 / Precision 0
EXSPI_MBDETAIL - This table has data about a mailbox, such as the size of the mailbox, the number	Identity	MB_IDENTITY: Unique identity of the mailbox present on the Mailbox server	UTF8 / Text

<p>of messages it contains, and the last time it was accessed. This data is present for all the mailboxes present on a particular Mailbox Server where the data is being collected.</p> <p><i>Policy Name:</i> EXSPI-14X Get Mailbox Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	DisplayName	MB_NAME: Name of the mailbox which is used for display purposes.	UTF8 / Text
	ServerName	MB_SVRNAME: Name of the Mailbox server name where the mailbox is present	UTF8 / Text
	StorageGroupName	MB_SGNAME: Name of the Storage Group where the Mailbox is present on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DatabaseName	MB_DBNAME: Name of the Database where the Mailbox is present on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	TotalItemSize	MB_SIZE: Total size of the items in Bytes present in the Mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	ItemCount	MB_MSGCOUNT: Total number of items present in the Mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	LastLogonTime	MB_LASTACCESS: Last time the mailbox was logged on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DisconnectedDate	MB_DISCONNECT: Last time the mailbox was disconnected on the specified Mailbox Server on which the data is being collected	UTF8 / Text
	DeletedItemCount	MB_DELCOUNT: Number of deleted items present in the mailbox on the specified Mailbox Server on which the	U64 / Precision 0

		data is being collected	
	TotalDeletedItemSize	MB_DELSIZE: Total size of the deleted items in Bytes present in the mailbox on the specified Mailbox Server on which the data is being collected	U64 / Precision 0
	StorageLimitStatus	MB_STGLIMIT: Indicates the storage limit of the limit.	UTF8 / Text
<p>EXSPI_MBSUMMARY - This table has data on all the mailboxes on all databases on the local Exchange Mailbox Server where it is created.</p> <p><i>Policy Name:</i> EXSPI-14X Get Mailbox IS Sum Data</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mailbox</p>	Identity	INSTANCE_KEY: Unique identity of the mailbox present on the Mailbox Server	UTF8 / Text
	StorageGroupName	STORAGEGROUP_NAME: Name of the storage group where the mailbox specified is present on the Mailbox Server	UTF8 / Text
	DatabaseName	DATABASE_NAME: Name of the database where the mailbox specified is present on the Mailbox Server	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server	UTF8 / Text
	EDBPath	EDBPATH: EDB file path of the database where the mailbox specified is present on the Mailbox server	UTF8 / Text
	EDBFileSize	EDBSIZE: Size of the EDB File of the database where the mailbox specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveFree	EDBFREE: Free space available on the drive where the EDB file of the database is present where the mailbox specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveTotal	EDBTOTAL: Total space on the drive where the EDB file of the database is present where the mailbox specified is present	U64 / Precision 0

		on the Mailbox server	
	UserCount	MAILBOX_USRCNT: Number of users having mailboxes on the specified database present on the Mailbox Server	U64 / Precision 0
	MessageCount	MAILBOX_MSGCNT: Number of messages present in the specified database present on the Mailbox server	U64 / Precision 0
<p>EXSPI_PFDETAIL -This table has data on the statistical information about public folders, such as folder size and last logon time. This data is present for all the public folders present on a particular Mailbox Server where the data is being collected.</p> <p><i>Policy Name:</i> EXSPI-14X Get Public Folder Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder</p>	Name	PF_NAME: Name of the public folder on the Mailbox Server	UTF8 / Text
	ServerName	PF_SVRNAME: Name of the Mailbox server where the data is being collected	UTF8 / Text
	StorageGroupName	PF_SGNAME: Name of the Storage Group where the public folder is present on the specific Mailbox Server	UTF8 / Text
	DatabaseName	PF_DBNAME: Name of the Database where the public folder is present on the specific Mailbox Server	UTF8 / Text
	TotalItemSize	PF_SIZE: Size of the items in Bytes in the public folder on the specific Mailbox server	U64 / Precision 0
	ItemCount	PF_POSTCOUNT: Number of items present in the public folder on the specific Mailbox server	U64 / Precision 0
	LastAccessTime	PF_LASTACCESS: Last time the public folder was accessed	UTF8 / Text
<p>EXSPI_PFSUMMARY - This table has data on all the public folders on all databases on the local Exchange Mailbox Server where it is created.</p> <p><i>Policy Name:</i> EXSPI-14X Get Public IS Sum Data</p>	Identity	INSTANCE_KEY: Unique identity of the public folder present on the Mailbox Server	UTF8 / Text
	StorageGroupName	STORAGEGROUP_NAME: Name of the storage group where the public folder specified is present on the	UTF8 / Text

<i>Policy Type:</i> Scheduled Task <i>Performance Object:</i> Not applicable <i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Public Folder		Mailbox Server	
	DatabaseName	DATABASE_NAME: Name of the database where the public folder specified is present on the Mailbox Server	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server	UTF8 / Text
	EDBPath	EDBPATH: EDB file path of the database where the public folder specified is present on the Mailbox server	UTF8 / Text
	EDBFileSize	EDBSIZE: Size of the EDB File of the database where the public folder specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveFree	EDBFREE: Free space available on the drive where the EDB file of the database is present where the public folder specified is present on the Mailbox server	U64 / Precision 0
	EDBDriveTotal	EDBTOTAL: Space on the drive where the EDB file of the database is present where the public folder specified is present on the Mailbox server	U64 / Precision 0
	PublicFolderCount	FOLDER_COUNT: Number of public folders specified database present on the Mailbox Server	U64 / Precision 0
	MessageCount	FOLDER_MSGCNT: Number of messages present in the specified database present on the Mailbox server	U64 / Precision 0
EXSPI_QINFO - This table has data on the configuration information for queues on a computer that has the Hub Transport server role or the Edge	Identity	QINFO_ID: Queue identity in the form of Server\destination, where destination is a remote domain, mailbox server, or persistent queue name.	UTF8 / Text

<p>Transport server role installed.</p> <p><i>Policy Name:</i> EXSPI-14X Get Queue Data</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server</p>	DeliveryType	QINFO_DLVTYPE: Delivery type for this queue as defined by transport	UTF8 / Text
	NextHopDomain	QINFO_NHDOMAIN: Next hop domain of the queue, specified as a remote Simple Mail Transfer Protocol (SMTP) domain, a server name, the name of an Active Directory site, or a message database (MDB) identifier.	UTF8 / Text
	NextHopConnector	QINFO_NHCNNT: GUID of the connector that was used to create the queue.	UTF8 / Text
	MessageCount	QINFO_MSGCNT: Number of items in the queue.	U64 / Precision 0
	LastError	QINFO_LSTERR: Text string of the last error recorded for a queue.	UTF8 / Text
<p>EXSPI_RECIP - This table has data specific to each Mailbox in a specific AD Site listing all the recipients to which mails have been sent, the storage groups, store names, Mailbox names, Email Addresses of each recipient, the total number of bytes of messages and the total number of messages sent to each recipient. It classifies the recipient servers into 3 categories: Exchange 2010, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Get Top Recipient Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Edge Server</p>	RecipientServerName	SERVER_NAME: Name of the server to which mails have been received from the specific Mailbox servers	UTF8 / Text
	RecipientAdSite	ADSITE_NAME: Active Directory Site name in which the recipient servers from which mails have been received to the specific Mailbox server is present	UTF8 / Text
	RecipientStorageGroup	SG_NAME: Name of the storage group of the specific recipients	UTF8 / Text
	RecipientStoreName	STORE_NAME: Name of the recipient server store for the specific recipients	UTF8 / Text
	RecipientMbox	MBOX_NAME: Name of the recipient mailbox for the specific recipients	UTF8 / Text

<p>SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	RecipientEmailAddr	EMAIL_ADDR: Email address of the specific recipients to which mails have been received from the specific mailbox server	UTF8 / Text
<p>EXSPI_REPLSUMM - The data logged in this table is used to view the status information about the storage groups in a cluster continuous replication(CCR), local continuous replication(LCR) or standby continuous replication(SCR) environment. It uses the Get-StorageGroupCopyStatus cmdlet to get this information. From the output of this cmdlet, the Log times and Backup times are converted to dateTime formats.</p> <p><i>Policy Name:</i> EXSPI-14X Dc Replication Summary</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → High Availability → Replication Monitoring</p>	TotalBytes	NUM_BYTES_RR: Size in bytes of the messages received at each recipient	U64 / Precision 0
	nMsgCount	NUM_MSGS_RR: Number of messages received at each recipient	U64 / Precision 0
	Identity	REPL_IDENTITY: Identity of the storage group	UTF8 / Text
	StorageGroupName	REPL_SGNAME: Name of the storage group	UTF8 / Text
	SummaryCopyStatus	REPL_STATUS: Summary representation of the general status of the copy.	UTF8 / Text
	LastCopiedLogTime	REPL_LSTCPLLOGTIME: Modification time of the last log that was successfully copied.	UTF8 / Text
	LastInspectedLogTime	REPL_LSTINSLOGTIME: Modification time of the last log that was successfully validated by the node hosting the copy.	UTF8 / Text
	LastReplayedLogTime	REPL_LSTRPLLOGTIME: Modification time of the last log that was successfully replayed by the node hosting the copy.	UTF8 / Text
LastLogGenerated	REPL_LSTLOGGEN: Log generation number of the last log known to be generated on the active node.	U64 / Precision 0	
LastLogCopied	REPL_LSTLOGCP: Log generation number of the last log copied to the copy.	U64 / Precision 0	
LastLogInspected	REPL_LSTLOGINS: Log generation number of the last log inspected by the copy.	U64 / Precision 0	

	LastLogReplayed	REPL_LSTLOGRPL: Log generation number of the last log replayed by the copy.	U64 / Precision 0
	LatestFullBackupTime	REPL_LSTBCKPTIME: Time of last full backup.	UTF8 / Text
	LatestIncrementalBackupTime	REPL_LSTIBCKPTIME: Time of the last incremental backup.	UTF8 / Text
	CopyQueueLength	REPL_CPQLEN: Number of logs known by the copy that need to be replicated to the copy.	U64 / Precision 0
	ReplayQueueLength	REPL_RPLQLEN: Number of logs available to be replayed into the copy's database.	U64 / Precision 0
	CCRTargetNode	REPL_TARGET: CCRTargetNode	U64 / Precision 0
<p>EXSPI_SENDER - This table has data specific to each Mailbox in an specific ADSite listing all the senders from which mails have been received, the storage groups, store names , Mailbox names, Email Addresses of each Sender, the total number of bytes of messages and the total number of messages sent from each sender. It classifies the sender servers into 3 categories: Exchange 2010, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Get Top Sender Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i></p>	Server Name	SERVER_NAME: Name of the server from which mails have been sent to the specific Mailbox servers	UTF8 / Text
	ServerAdSite	ADSITE_NAME: Active Directory Site name in which the server to which mails have been received from the specific senders is present	UTF8 / Text
	SenderStorageGroup	SG_NAME: Name of the storage group of the specific senders	UTF8 / Text
	SenderStoreName	STORE_NAME: Name of the sender server store for the specific senders	UTF8 / Text
	SenderMbox	MBOX_NAME: Name of the sender mailbox for the specific senders	UTF8 / Text

<p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	SenderEmailAddr	EMAIL_ADDR: Email address of the specific senders from which mails have been sent to the specific mailbox server	UTF8 / Text
	TotalBytes	NUM_BYTES_SR: Size in bytes of the messages received from each sender	U64 / Precision 0
	nMsgCount	NUM_MSGS_SR: Number of messages received from each source	U64 / Precision 0
<p>EXSPI_SOURCE - This table has data specific to each Mailbox in a specific ADSite listing all the sources from which mails have been received, the domain names of the source addresses, the total number of bytes of messages and the total number of messages sent from each source. It classifies the source servers into 3 categories: Exchange 2010, Exchange 2000/2003, SMTP.</p> <p><i>Policy Name:</i> EXSPI-14X Dc-Get Top Source Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Hub Transport Server</p>	SourceAddr	SOURCE_ADDR: Actual source address from which mails have been sent to each Mailbox in a specific ADSite	UTF8 / Text
	SourceDomainName	DOMAIN_NAME: Domain name of the source servers from which mails have been sent to each Mailbox in a specific ADSite	UTF8 / Text
	SourceKey	SOURCE_KEY: Unique key to identify a particular source	UTF8 / Text
	ServerName	SERVER_NAME: Name of the server to which mails have been received from the specific sources	UTF8 / Text
	AdSiteName	ADSITE_NAME: Active Directory Site name in which the server to which mails have been received from the specific sources is present	UTF8 / Text
	isInternal	IS_INTERNAL: Indicates if the source server is internal to your organization.	UTF8 / Text
	TotalBytes	NUM_BYTES_SRC: Size in bytes of the messages received from each source	U64 / Precision 0
	nMsgCount	NUM_MSGS_SRC: Number of messages received from each source	U64 / Precision 0

<p>EXSPI_UMHUNT - This table has data on the the properties and values for an existing Unified Messaging (UM) hunt group</p> <p><i>Policy Name:</i> EXSPI-14X GetUMHuntGroup Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	PilotIdentifier	UMHUNT_PILOT: Number string that is used to uniquely identify the pilot access number for the specified IP gateway. It matches the subscriber access number that is configured in the UM dial plan.	UTF8 / Text
	UMDialPlan	UMHUNT_DIAL: Specifies the UM dial plan that is used with the UM hunt group	UTF8 / Text
	Name	UMHUNT_NAME: Specifies the UM hunt group name that is used for display purposes	UTF8 / Text
<p>EXSPI_UMIPGWAY - This table has data on the list of properties and values for the list of UM IP gateways.</p> <p><i>Policy Name:</i> EXSPI-14X GetUMIPGatewayDetails</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	Address	UMIPGWAY_ADD: IP address that is configured on the IP gateway or SIP-enabled IP PBX.	UTF8 / Text
	OutcallsAllowed	UMIPGWAY_OUT: Specifies if Outgoing calls are allowed or not from the IP gateway	UTF8 / Text
	Status	UMIPGWAY_EN: Enable or disable calls that are destined for the IP gateway	UTF8 / Text
	Port	UMIPGWAY_PORT: Port at which the IP gateway is configured	U64 / Precision 0
	Simulator	UMIPGWAY_SIM: Allows a client to connect to the Unified Messaging server	UTF8 / Text
	Name	UMIPGWAY_NAME: Specifies the display name for the UM IP gateway	UTF8 / Text
<p>EXSPI_UMMBOX - This table has data on the the Unified Messaging (UM) properties for a recipient who is UM-enabled. It</p>	AllowUMCallsFromNonUsers	UMMBOX_NONUSR: Specifies whether to exclude the mailbox from directory searches.	UTF8 / Text

<p>contains data on the UM properties for a single UM mailbox. It can also contain a list of UM-enabled mailboxes.</p> <p><i>Policy Name:</i> EXSPI-14X Get Unified Messaging Mailbox Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	AnonymousCallerCanLeaveMessages	UMMBOX_ANONYCALL: Specifies whether diverted calls without a caller ID will be allowed to leave a message.	UTF8 / Text
	AutomaticSpeechRecognitionEnabled	UMMBOX_SPCH: Specifies whether the user can use Automatic Speech Recognition when they log on to their mailbox This parameter can only be set to \$true if there is ASR support for the language selected by the user in Outlook Web Access Options.	UTF8 / Text
	DialPlan	UMMBOX_DIAL: Specifies the UM dial plan that is used with the UM Mailbox	UTF8 / Text
	DisplayName	UMMBOX_DNAME: Specifies the user to enable for Unified Messaging. The variables for this parameter include the following: ADOBJECTID, GUID, DN, Domain\Account, UPN, LegacyExchangeDN, SMTPAddress, Alias	UTF8 / Text
	FaxEnabled	UMMBOX_FAX: Specifies whether a user is allowed to receive incoming faxes.	UTF8 / Text
	MissedCallNotificationEnable	UMMBOX_MISSCALL: Specifies whether to send missed call notifications.	UTF8 / Text
	Name	UMMBOX_NAME: Specifies the display name for the user.	UTF8 / Text
	PrimarySmtpAddress	UMMBOX_PRISMTP: Specifies the primary SMTP address, which is the e-mail address that external users will see when they receive a message from this recipient.	UTF8 / Text
	ServerName	UMMBOX_SNAME: Name of the server	UTF8 / Text

	SubscriberAccessEnable	UMMBOX_SUBACC: Specifies whether the user is allowed subscriber access to their individual mailbox. If it is set to \$true, users, after they are authenticated, can retrieve voice mail over the telephone.	UTF8 / Text
	TUIAccessToAddressBookEnabled	UMMBOX_TUIBOOK: Specifies whether a user can access the directory and contact information over the telephone.	UTF8 / Text
	TUIAccessToCalendarEnabled	UMMBOX_TUICALL: Specifies whether users can access their individual calendaring over the telephone.	UTF8 / Text
	TUIAccessToEmailEnabled	UMMBOX_TUIMAIL: Specifies whether users can access their individual e-mail over the telephone.	UTF8 / Text
	UMEnabled	UMMBOX_EN: Specifies whether UM is enabled for this mailbox.	UTF8 / Text
	UMMailboxPolicy	UMMBOX_MPOL: Specifies the UM mailbox policy that is associated with the UM-enabled user's mailbox.	UTF8 / Text
	UMOperatorNumber	UMMBOX_OPER: Contains the string of digits for the personal operator.	UTF8 / Text
<p>EXSPI_UMPIN - This table has information from a UM-enabled user's mailbox. This information is calculated from the PIN data that is stored in encrypted form in the user's mailbox.</p> <p><i>Policy Name:</i> EXSPI-14X Get UMMailbox Pin Details</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not</p>	UserID	<p>UMPIN_USER: Specifies the identifier that can be used to retrieve information about the mailbox. The variables for this parameter include the following:</p> <ul style="list-style-type: none"> • ADOBJECTID • GUID • DN • Domain\Account 	UTF8 / Text

<p>applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>		<ul style="list-style-type: none"> • UPN • LegacyExchangeDN • SmtAddress • Alias • PinExpired 	
	PinExpired	UMPIN_EXP: Specifies whether the PIN will be treated as expired. If this parameter is supplied and is set to \$false, the user will not be required to reset their PIN the next time that they log on. If the PIN is not supplied, the PIN will be treated as expired and the user will be prompted to reset their PIN the next time that they log on.	UTF8 / Text
	FirstTimeUser	UMPIN_FRST: First time user	UTF8 / Text
	LockedOut	UMPIN_LOCK: Specifies whether the mailbox will continue to be locked. If set to \$true, the mailbox will be marked as locked out. By default, if this parameter is omitted or set to \$false, the task will clear the locked out status on a mailbox.	UTF8 / Text
<p>EXSPI_UMSRV - This table has data on the the properties for a single computer that is running Microsoft Exchange Server 2010 that has the Unified Messaging server role installed or displays a list of servers that are enabled for Unified Messaging (UM).</p> <p><i>Policy Name:</i> EXSPI-14X Get UMServer Details</p>	Name	UMSRV_NAME: Specifies the ID for the Unified Messaging server object that is to be configured. This parameter specifies the directory object ID for the UM server.	UTF8 / Text
	MaxCallsAllowed	UMSRV_CALLS: Specifies the maximum number of concurrent calls that the Unified Messaging server will allow.	U64 / Precision 0

<p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Unified Messaging Server</p>	MaxFaxCallsAllowed	UMSRV_FAX: Specifies the maximum number of concurrent fax calls that the Unified Messaging server will allow.	U64 / Precision 0
	MaxTTSSessionsAllowed	UMSRV_TTS: Specifies the maximum number of concurrent Text-to-Speech (TTS) sessions that the Unified Messaging server will allow.	U64 / Precision 0
	MaxASRSessionsAllowed	UMSRV_ASR: Specifies the maximum number of concurrent Automatic Speech Recognition (ASR) sessions.	U64 / Precision 0
	Status	UMSRV_STATUS: Status lets the administrator manipulate the Unified Messaging server status. Enabled, Disabled, and NoNewCalls are the available options.	UTF8 / Text
<p>EXSPI_SPAMSTATS - This table contains details about spam mails. It stores details about the number of spam mails corresponding to each action type that was taken depending on the configuration. The data is collected from the performance object MExchange Content Filter Agent.</p> <p><i>Policy Name:</i> EXSPI-14X-Dc-HubMonitor SPAMStatistics EXSPI-14X-Dc-EdgeMonitorSPAMStatistics</p> <p><i>Policy Type:</i> Measurement Threshold</p> <p><i>Performance Object:</i> MExchange Content Filter Agent (For Messages Deleted metrics, Messages Quarantined metrics, and Messages Rejected metrics)</p>	Not applicable	TIMESTAMP: The date and time at which the event occurred	UTF8 / Text
	Not applicable	SERVER_NAME: The Exchange server name for which the data is collected.	UTF8 / Text
	Not applicable	INSTANCE: The instance for which the data is collected. For spam statistics the _total instance is used.	UTF8 / Text
	Messages Deleted (Performance object is MExchange Content Filter Agent)	DELETED: Messages Deleted is the total number of messages that were deleted by Content Filter Agent.	U64 / Precision 0

<p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-14X-Dc-Hub MonitorSPAM Statistics</p>	<p>Messages Quarantined (Performance object is MExchange Content Filter Agent)</p>	<p>QUARANTINED: Messages Quarantined is the total number of messages that were quarantined by Content Filter Agent.</p>	<p>U64 / Precision 0</p>
<p>SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-14X-Dc- EdgeMonitor SPAMStatistics</p>	<p>Messages Rejected (Performance object is MExchange Content Filter Agent)</p>	<p>REJECTED: Messages Rejected is the total number of messages that were rejected by Content Filter Agent.</p>	<p>U64 / Precision 0</p>
<p>EXSPI_BLOCKEDMAILS - This table stores information about the mails that were blocked by various transport agents. The information is collected by running the cmd-let get-AgentLogData once per day.</p> <p><i>Policy Name:</i> EXSPI-14X-Dc-HubAgentLog BlockedData</p> <p>EXSPI-14X-Dc- EdgeAgentLog BlockedData</p> <p><i>Policy Type:</i> Schedule Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-14X-Dc- HubAgentLog BlockedData</p> <p>SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-14X-Dc- EdgeAgentLog BlockedData</p>	<p>Not applicable</p>	<p>TIMESTAMP: The date and time at which the event occurred.</p>	<p>UTF8 / Text</p>
		<p>SERVER_NAME: The Exchange server name for which the data is collected.</p>	<p>UTF8 / Text</p>
		<p>IPADDRESS: The ip address from which the mail was sent.</p>	<p>UTF8 / Text</p>
		<p>SENDERADDRESS: The sender e-mail address specified in MAIL FROM: in the message envelope.</p>	<p>UTF8 / Text</p>
		<p>ACTION_TAKEN: The action that is performed on the message by the agent.</p>	<p>UTF8 / Text</p>
		<p>REASON: The reason for the action that is supplied by the agent.</p>	<p>UTF8 / Text</p>
		<p>REASONDATA: The descriptive details for the action that is supplied by the agent.</p>	<p>UTF8 / Text</p>
		<p>DOMAIN: The domain from which the mail was sent.</p>	<p>UTF8 / Text</p>
<p>AGENT: The name of the agent that took the action.</p>	<p>UTF8 / Text</p>		

		ISHUBTRANSPORTSERVER: Specifies if the Exchange server is a hub transport or an edge server.	UTF8 / Text
		REMOTEENDPOINT: The IP address and port number of the previous SMTP server that connected to this server to deliver the message.	UTF8 / Text
<p>EXSPI_BLOCKEDRCPTS - This table stores information about users who were the intended recipients of the mails that were blocked. It also stores other information about the blocked mails.</p> <p>The information is collected by running the cmd-let get-BlockedRecipient once per day.</p> <p><i>Policy Name:</i> SPI-14X-Dc-HubAgentLog BlockedRcpts</p> <p>EXSPI-14X-Dc- EdgeAgentLog BlockedRcpts</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Hub Transport Server → Transport Agent → EXSPI-14X-Dc-HubAgentLog BlockedRcpts</p> <p>SPI for Exchange → en → Exchange 2010 → Manual Deploy Group → Edge Server → Transport Agent → EXSPI-14X-Dc-EdgeAgentLogBlockedRcpts</p>	Not applicable	TIMESTAMP: The date and time at which the event occurred.	UTF8 / Text
		SERVER_NAME: The Exchange server name for which the data is collected.	UTF8 / Text
		RECIPIENTADDRESS: The recipient address to which the mail was destined.	UTF8 / Text
		AGENT: The name of the agent that took the action.	UTF8 / Text
		REASON: The reason for the action that is supplied by the agent.	UTF8 / Text
		REASONDATA: The descriptive details for the action that is supplied by the agent.	UTF8 / Text
		ISHUBTRANSPORTSERVER: Specifies if the Exchange server is a hub transport or an edge server.	UTF8 / Text
EXSPI_MFLAT - This table contains mail flow latency, the	Originating Server	ORIGIN_SERVER: The server from which the mail flow test is	UTF8 / Text

<p>originating server, and the destination server between which the test was performed. It also contains the status of the test and other relevant information. The data is collected from the cmdlet Get-MailFlowLatency (a customized cmdlet available in the PowerShell Snap-in GetExspiPS SnapIn) at every 30 minutes and logged into the table without further processing.</p> <p><i>Policy Name:</i> EXSPI-14X Dc-GetMailFlow Latency</p> <p><i>Policy Type:</i> Scheduled Task</p> <p><i>Performance Object:</i> Not applicable</p> <p><i>Policy Group:</i> SPI for Exchange → en → Exchange 2010 → Manual Deploy Groups → Mailbox Server → Mail Flow → EXSPI-14X Dc-GetMailFlowLatency</p>		initiated.	
	Originating Site	ORIGIN_SITE: The site to which the originating server belongs to.	UTF8 / Text
	Destination Server	DESTIN_SERVER: The server to which the mail flow test was performed.	UTF8 / Text
	Destination Site	DESTIN_SITE: The site to which the destination server belongs to.	UTF8 / Text
	Latency	LATENCY_SECONDS: The time taken (in seconds) for the test mail to be delivered to the destination server.	R64 / Precision 2
	Status	STATUS: Indicates if the mail flow test was a success or a failure.	UTF8 / Text
IsRemoteTest	ISREMOTETEST: Indicates if the mail flow test that was performed was a local test or a remote test.	UTF8 / Text	

Golden Metrics

Golden metrics are a set of metrics which are basic and fundamental for monitoring the Microsoft Exchange 2007/2010 Server environment. You can deploy the policies listed in the Table to monitor the golden metrics.

These golden metrics cover the critical areas for which you would like to receive messages as a critical or major event occurring on the Microsoft Exchange 2007/2010 Server. Monitoring golden metrics and taking action against the events generated by these metrics ensure the smooth functioning of the Microsoft Exchange 2007/2010 Server.

Prerequisites before Monitoring Golden Metrics

Ensure the following requirements before you monitor the golden metrics:

1. SPIDataCollector Instrumentation category is deployed.
2. Create Data Sources tool is running.
3. Exchange 2007/2010 Discovery policy is deployed.

Data Store Details

Metric	Policy
Exchange Availability	EXSPI-8X/14X Get Exchange 2007/2010 Availability
	EXSPI-8X/14X Exchange Application Errors
	EXSPI-8X /14X Exchange Application Warnings
Client Access Server Health	EXSPI-8X /14X _Check_CASFileDistributionServiceStatus
	EXSPI-8X /14X _Check_IMAP4ServiceStatus
	EXSPI-8X /14X _Check_POP3ServiceStatus
	EXSPI-8X /14X IMAP4 Failed Connection Rate
	EXSPI-8X /14X IMAP4 Rejected Connection Rate
	EXSPI-8X /14X -IMAP4
	EXSPI-8X /14X -POP3
	EXSPI-8X /14X POP3 Failed Connection Rate
	EXSPI-8X /14X POP3 Rejected Connection Rate
	EXSPI-8X /14X -InformationWorker

	EXSPI-8X /14X CAS-Evt-MSExchange OWA
Edge Servers Health	EXSPI-8X /14X Edge_Check_ADAMServiceStatus
	EXSPI-8X /14X _Check_EdgeCredentialServiceStatus
	EXSPI-8X /14X _Check_EDGEEExchangeTransportServiceStatus
	EXSPI-8X /14X Edge Th-Active Mailbox Delivery Queue Length
	EXSPI-8X /14X Edge Th-Active Remote Delivery Queue Length
	EXSPI-8X /14X Edge Th-AggDelivery QLength-All_Queues
	EXSPI-8X /14X Edge Th-Failure DSNs Total
	EXSPI-8X /14X Edge Th-Largest Delivery Queue Length
	EXSPI-8X /14X Edge Th-Poison Queue Length
	EXSPI-8X /14X Edge Th-Retry Non-SMTP Delivery Queue Length
	EXSPI-8X /14X Edge Th-Submission Queue Length
	EXSPI-8X Edge Th-Unreachable Queue Length
	EXSPI-8X /14X -Dc-EdgeMonitorSPAMStatistics
	EXSPI-8X /14X -EdgeMonitorBlockedMails
Hub Transport Server Health	EXSPI-8X /14X _Check_HUBExchangeEdgeSyncServiceStatus
	EXSPI-8X /14X Hub Th-ActiveMailboxDelivery_QLength
	EXSPI-8X /14X Hub Th-ActiveNon-SmtpDelivery_QLength
	EXSPI-8X /14X Hub Th-ActiveRemoteDelivery_QLength
	EXSPI-8X /14X Hub Th-AggDel_QLength-All_Queues
	EXSPI-8X /14X Hub Th-Delay DSNs
	EXSPI-8X /14X Hub Th-FailureDSNsTotal
	EXSPI-8X /14X Hub Th-Poison_QLength
	EXSPI-8X /14X Hub Th-LargestDelivery_QLength
	EXSPI-8X /14X Hub Th-RetryMailboxDelivery_QLength
	EXSPI-8X /14X Hub Th-RetryNon-SmtpDelivery_QLength
	EXSPI-8X /14X Hub Th-RetryRemoteDelivery_QLength

	EXSPI-8X /14X Hub Th-Submission_QLength
	EXSPI-8X /14X Hub Th-Unreachable_QLength
	EXSPI-8X /14X -Dc-HubMonitorSPAMStatistics
	EXSPI-8X /14X -HubMonitorBlockedMails
	EXSPI-8X /14X -HubGetBlockedMailsCount
Mailbox Server Health	EXSPI-8X /14X _Check_InformationStoreServiceStatus
	EXSPI-8X /14X _Check_MailboxAssistantServiceStatus
	EXSPI-8X /14X _Check_MailSubmissionServiceStatus
	EXSPI-8X /14X _Check_MBExchangeServiceHostStatus
	EXSPI-8X /14X _Check_ReplicationServiceStatus
	EXSPI-8X /14X _Check_SystemAttendantStatus
	EXSPI-8X /14X _ReplicationReplayQueueLength
	EXSPI-8X /14X _ReplicationCopyQueueLength
	EXSPI-8X /14X Check Replication Service
	EXSPI-8X /14X Test Mapi Connectivity
	EXSPI-8X /14X Information Store RPC Requests
	EXSPI-8X /14X Information Store RPC Operations
	EXSPI-8X /14X Information Store RPC Average Latency
	EXSPI-8X /14X Check Circular Logging Enabled
	EXSPI-8X /14X IS Mailbox Receive Queue Length
	EXSPI-8X /14X IS Mailbox Average Delivery Time
	EXSPI-8X /14X Outlook Client RPC Failure Rate
	EXSPI-8X /14X Outlook Client Latency
	EXSPI-8X /14X Information Store Db Cache Size
	EXSPI-8X /14X Information Store Db Log Record Stall per sec
	EXSPI-8X /14X Information Store VM Largest Block
	EXSPI-8X /14X Information Store Additional Heaps

	EXSPI-8X /14X Information Store Heap Memory Errors
	EXSPI-8X /14X Information Store Db Log Threads Waiting
	EXSPI-8X /14X Information Store Memory Errors
	EXSPI-8X /14X Information Store Db Log Writes per sec
	EXSPI-8X /14X Public Folder Average Delivery Time
	EXSPI-8X /14X IS Public Receive Queue Length
	EXSPI-8X /14X IS Public Replication Queue Length
Unified Messaging Server Health	EXSPI-8X /14X _Check_SpeechEngineStatus
	EXSPI-8X /14X _Check_UnifiedMessagingStatus
	EXSPI-8X /14X DownloadTaskQueued-UM-All
	EXSPI-8X /14X UM Th-MSExchangeUMAvailability

Related Topics

- [Report, Report Table, Data Store, and Policy Mapping Details \(for Microsoft Exchange 2007\)](#)
- [Report, Report Table, Data Store, and Policy Mapping Details \(for Microsoft Exchange 2010\)](#)

Using Tools

The Microsoft Exchange SPI uses different tools to monitor the Microsoft Exchange Server 2007/2010 environment. Tools are utilities to gather more Microsoft Exchange Server 2007/2010 related information. You can also use tools to configure the Microsoft Exchange SPI.

To run a tool of Microsoft Exchange SPI:

1. In the console tree, expand **Tools** → **SPI for Exchange** , and click **Exchange 2007** or **Exchange 2010** .
2. Right-click the tool that you want to run from the details pane, and click **All Tasks** → **Launch Tool** .
Alternatively, double-click the tool in the details pane.
The Select where to launch this tool dialog box opens.
3. Select one or more nodes on which you want to run this tool, and click **Launch** .

The Microsoft Exchange SPI provides the following tools for the Microsoft Exchange Server:

- **EXSPI Configuration Utility:** EXSPI Configuration Utility tool configures the data collection configuration of the Microsoft Exchange SPI for Microsoft Exchange Server 2007/2010 nodes. You can create new Collection Configurations, MetricSets, OpCMsgs Calls, and OpCMons Calls by using the graphical user interface launched by this tool. You can also modify these components.
- **Create Data Sources:** The Create Data Sources tool creates databases on the managed nodes. This tool creates databases into the configured data store for your HPOM environment. Without running this tool, you cannot log information on a managed node.
- **Start PowerShell Collector:** Use the Start PowerShell Collector tool to start the PowerShell Collector process on a managed node.
- **Stop PowerShell Collector:** Use the Stop PowerShell Collector tool to stop the PowerShell Collector process on a managed node.
- **Register DataCollector:** The Register DataCollector tool registers necessary COM components on the nodes.
- **Exchange Cluster Configuration :** The Exchange Cluster Configuration tool creates the `apminfo.xml` file to enable monitoring of the Microsoft Exchange Server 2007/2010 clustered nodes.
- **EXSPI Trace:** The EXSPI Trace tool sets the trace levels on the managed nodes. Launch this tool if you need to collect troubleshooting information from the nodes.
- **Delete Older EXSPI Classes**
- **Delete Older EXSPI Artifacts**
- **Self-Healing Info:** The Self-Healing Info tool gathers system information, configuration information, log files, and trace files.
- **Self-Healing Verification:** Launch the Self-Healing Verification tool to detect any version mismatch between the Microsoft Exchange SPI and the instrumentation files.
- **Edit XPL Configuration File :** The Edit Configuration File enables the PowerShell Collector tool to run as non-agent

user.

- **HP Operations Topology Viewer** : The HP Operations Topology Viewer tool presents a 3-dimensional view of the Microsoft Exchange Server environment. Using the Operations Topology Viewer, you can quickly see sites, routing groups, Exchange servers and their roles within your Exchange environment. The Operations Topology Viewer tool launches the Operations Topology Viewer window.

To open the HP Operations Topology Viewer window:

1. In the console tree, expand **Tools** → **SPI for Exchange** → **Exchange 2007/Exchange 2010** , and double-click **Exchange Topology** .
2. In the details pane, double-click **Operations Topology Viewer** . The Operations Topology Viewer window opens.

Related Topics:

- Adding or modifying a metric
- Adding or modifying a metric set
- Adding and modifying a DataStore

Create Data Sources

The Create Data Sources tool creates databases into the HP Operations agent's data store (embedded performance component—also known as CODA), or into the HP Performance Agent. If you do not have the HP Performance Agent installed in your environment, this tool creates databases into CODA. The data store stores the data collected by the individual collectors.

If the managed node has both HP PA and CODA installed, then to create the data source in CODA, create an empty **nocoda.opt** file, and then customize the Create DataSources tool cmdline by adding **-CODA** option before you start the tool.

This tool checks for any existing EXSPI datasource. If no datasource exists, it displays an error message. This error message, however, can be ignored as the Create Data Sources tool continues to create a new EXSPI datasource.

To start the Create Data Sources tool:

1. In the console tree expand **Tools** → **SPI for Exchange** → **Exchange 2007 / Exchange 2010**
2. Double-click the **Create Data Sources** tool in the details pane. The Create Data Sources window opens.
3. Select the nodes on which you want to run the tool, and click **Launch** . The Tool Status window opens and displays if the tool is successfully launched on selected nodes.

 **NOTE:**

If you do not run this tool, you cannot log information on a managed node.

Start PowerShell Collector

The Start PowerShell Collector tool starts the PowerShell Collector process on the nodes.

To run the Start PowerShell Collector tool on the managed nodes:

1. In the console tree, expand **Tools** → **SPI for Exchange** → **Exchange 2007/ Exchange 2010** .
2. In the details pane, double-click **Start PowerShell Collector** . The Select where to launch this tool dialog box opens.
3. Select the nodes on which you want to run the tool, and click **Launch** . The Tool Status window opens and displays if the tool is successfully launched on the selected nodes.

 **NOTE:**

When you run the Start PowerShell Collector tool for the first time, you must provide the tool with the access credentials of an Exchange user with Exchange View Only administrative privileges. You must enable the Allow Log on Locally security policy for the user.

Related Topics:

- Stop ExData Collection Manager
- Tools for Microsoft Exchange Server

Stop PowerShell Collector

The Stop PowerShell Collector tool stops the PowerShell Collector process on Microsoft Exchange Server nodes.

To run the Stop PowerShell Collector tool on the managed nodes:

1. In the console tree, expand **Tools** → **SPI for Exchange** → **Exchange 2007 / Exchange 2010** .
2. In the details pane, double-click **Stop PowerShell Collector** . The Select where to launch this tool dialog box opens.
3. Select the nodes on which you want to run the tool, and click **Launch** . The Tool Status window opens and displays if the tool is successfully launched on selected nodes.

Related Topics:

- Tools for Microsoft Exchange Server

EXSPI Configuration Utility

The PowerShell Collection Configuration Utility tool launches the graphical user interface of the PowerShell collection configuration utility. You can perform the following tasks with the PowerShell collection configuration utility:

- Add new MetricSets and metrics.
- Add new collections.
- Create a new OpCMsg Call or modify an existing OpCMsg Call.
- Create a new OpCMon Call or modify an existing OpCMon Call.

To launch the PowerShell collection configuration utility

1. In the console tree, expand **Tools** → **SPI for Exchange** , and then double-click **Exchange 2007/Exchange 2010** .
2. In the details pane, double-click **PowerShell Collection Configuration Utility** . The Select Server dialog box opens.
3. Select the OVO for Windows Server option, and then click **Load** .

If you are using a Japanese OVO for Windows 7.50 server, select the **Load from Local File** option, and then click **Load** . Select the local path as `%OvShareDir% \Instrumentation\Windows Server 2003\5.2\SPI for Exchange 2007\spimetadata.xml` . The PowerShell collection configuration utility window opens.

Overview of the PowerShell collection configuration utility

The PowerShell collection configuration utility enables you to create or modify collection configurations and components of collection configurations. The PowerShell collection configuration utility helps you create a modified collection configuration, which you can associate with an existing policy through the HPOM console. In addition, the utility helps you add or modify OpCMsg Calls and OpCMon Calls through its graphical user interface.

The Microsoft Exchange SPI saves every change made through the PowerShell collection configuration utility in the SPI metadata file (an XML file on the managed node).

About collection configuration

A collection describes the complete workflow of a collector. A collection configuration defines the mechanism to collect metric data. It also defines how to store the metric data. You must associate every collection configuration with a scheduled task policy. When you invoke the scheduled task policy on a managed node, the collector retrieves the following details from the collection configuration:

- The metric value to be collected
- The mechanism to send the collected data to the analyzer for data analysis
- The mechanism to receive the analyzed data
- The mechanism to send the analyzed data to a data store (if required)

A collection configuration consists of the following building blocks:

- MetricSets
- OpCMsg Calls
- OpCMon Calls
- Data Stores

About MetricSets

A metric is a measurement that defines a specific operational or performance characteristic of a system or an application. The Microsoft Exchange SPI monitors various metrics of Microsoft Exchange Server. Collectors collect metric data on managed Exchange nodes. Metric data indicates the health, availability, and performance of an Exchange Server node.

A MetricSet (a component of a collection configuration) is a group of related metrics. If you run a cmdlet (a command that works in the PowerShell environment) on an Exchange Server node, the Exchange Server returns a group of metrics with metric values. These metrics, returned by a particular cmdlet, form a MetricSet.

About OpCMsg Calls

An OpCMsg Call is an element of a collection configuration that generates an alert message when a metric value does not match a preset value or range of values. The OpCMsg Call enables the collection to compare the actual value with the preset value with the help of arithmetic comparators. You can set a severity level and associate a message text to an OpCMsg Call.

About OpCMon Calls

An OpCMon Call sets a limiting value for numeric metric data. You can associate an OpCMon Call to a measurement threshold policy and use it with a collection configuration.

About DataStores

A DataStore helps a collector store the collected data to a data store (for example, CODA). The DataStore defines the way in which the collected data can be stored into the data store. You must add a DataStore to a collection configuration if you want to log the data collected by the collection. A collector retrieves the data-formatting information from a DataStore before logging the data into a data store.

Related Topics:

- Working with the PowerShell collection configuration utility
- Adding or modifying a MetricSet

Working with the PowerShell collection configuration utility

The PowerShell collection configuration utility enables you to create a new collection configuration with new DataStores, OpCMsg Calls, or OpCMon Calls. You can also view the default settings of existing collection configurations, DataStores, OpCMsg Calls, OpCMon Calls, and MetricSets that are provided with the SPI for Microsoft Exchange Server 2007. The PowerShell collection configuration utility provides you with a graphical user interface to perform necessary tasks to create new definitions. The PowerShell collection configuration utility's graphical user interface consists of the following elements:

- **Menu bar**
- **Toolbar**
- **Left pane**
- **Right pane**






PowerShell collection configuration utility menu bar

You can use the menu options in the menu bar to perform tasks like adding and removing an element of collection definition. You can also view a preview of every element (in the form of XML markups) by using the **Preview** menu option.

Menu	Options	Description
File	Save	Saves any changes that you make.
	Save as	Enables you to save the updated <code>spimetadata.xml</code> file on a different location and with a different name.
	Reload/ Cancel All Changes	Reloads the utility, cancels all unsaved changes.
	Exit	Exits the PowerShell collection configuration utility.
Edit	Deletes the selected collection configuration or component from this menu.	
Insert	Add New MetricSet	Adds a new MetricSet to the list of available MetricSets.
	Add New Metric	Adds a new Metric to the list of available metrics in a particular MetricSet. This option is enabled only when you select a MetricSet.
	Add New Collection	Adds a new collection to the list of available collections.
	Add New DataStore	Adds a new DataStore to the list of available DataStores.
	Add New OpCMon Call	Adds a new OpCMon Call to the list of available OpCMon Calls.
	Add New OpCMsg Call	Adds a new OpCMsg Call to the list of available OpCMsg Calls.

PowerShell collection configuration utility toolbar

You can use the toolbar to add collection elements, such as MetricSets, DataStores, OpCMsg Calls, and OpCMon Calls.

Icon	Tool Name	Description
	Add MetricSet	Use this tool to add a new MetricSet.
	Add Collection	Use this tool to add a new collection.
	Add DataStore	Use this tool to add a new DataStore.
	Add OpCMsg Call	Use this tool to add a new OpCMsg Call.
	Add OpCMon Call	Use this tool to add a new OpCMon Call.

PowerShell collection configuration utility panes

The left pane lists all available metrics, MetricSets, collections, DataStores, OpCMsg Calls, and OpCMon Calls in a tree like structure. You can navigate to specific collection elements with the help of the left pane. The right pane provides you an interface to view and modify properties and settings for every collection element.

**NOTE:**

If you make changes with the PowerShell collection configuration utility, you must deploy the EXSPI-8X SPIMetaData Versioning policy on the nodes where you want the changed data collection mechanism to take effect.

Related Topics:

- Overview of the PowerShell collection configuration utility
- Adding or modifying a MetricSet

Adding or modifying a metric

The metric values of Microsoft Exchange Server indicate its health condition, availability, and performance ability. The SPI collects these metric values to project the status of Microsoft Exchange Server in the HPOM console. In the PowerShell collection configuration utility, you can find a list of related metrics under every MetricSet. The PowerShell collection configuration utility enables you to add a new metric under a MetricSet.

To add a new metric

1. In the left pane, expand **MetricSets** .
2. Right-click an available MetricSet, and then click **Add New Metric** .
Alternatively, select an available MetricSet, and then click **Insert** → **Add New Metric** from the menu bar.
A new metric (with the name **New Metric**) appears in the list of metrics under the selected MetricSet.
3. Click **New Metric** .
4. In the right pane, specify the following options:

Option	Description
Metric Name	Select a metric name from the list of available metrics.
Metric Description	Type a description of the metric.
Metric Data Type	After you choose the metric, suitable data type appears by default. Do not change the default setting.
Category	Select this option to specify the unit of measure of the metric.
Scale	To convert the metric value to a unit of your choice, specify the multiplying factor. For example, if the metric value is in the form of KB and you want to collect the metric in the form of bytes, specify 1024 in this field.
Suffix	Specify the element of the metric value that you want to eliminate. For example, if the metric value is appended with the unit B (as in 1200B), you can eliminate B by typing B in the Suffix text box.

5. Click **Apply Changes** .
6. Click **File** → **Save** .

To modify an existing metric

CAUTION:

Do not modify the metric organization in the existing default MetricSets. You can modify the organization of metrics only in the MetricSets that you have added to the PowerShell collection configuration utility.

1. In the left pane, click the metric that you want to modify.
2. In the right pane, specify the following options:

Option	Description
Metric Name	Select a metric name from the list of available metrics.
Metric Description	Type a description of the metric.
Metric Data Type	After you choose the metric, suitable data type appears by default. Do not change the default setting.
Category	Select this option to specify the unit of measure of the metric.
Scale	To convert the metric value to a unit of your choice, specify the multiplying factor. For example, if the metric value is in the form of KB and you want to collect the metric in the form of bytes, specify 1024 in this field.
Suffix	Specify the element of the metric value that you want to eliminate. For example, if the metric value is appended with the unit B (as in 1200B), you can eliminate B by typing B in the Suffix text box.

3. Click **Apply Changes** .
4. Click **File** → **Save** .

Do not delete a metric that is present in the PowerShell collection configuration utility by default. To delete a metric that you have added to the PowerShell collection configuration utility, right-click the metric in the left pane, and then click **Remove this** .


Related Topics:

- Adding or modifying a MetricSet
- Adding and modifying a DataStore

Adding or modifying a MetricSet

A MetricSet is a group of related metrics. Microsoft Exchange Server 2007 returns a MetricSet when you run an Exchange Management Shell command (cmdlet). The Microsoft Exchange SPI collects these metrics to monitor the health, availability, and performance of Microsoft Exchange Server 2007. The PowerShell collection configuration utility enables you to add a new MetricSet to the list of existing MetricSets and link the new MetricSet with a PowerShell command (cmdlet) to start metric data collection.

To add a new MetricSet

1. Click  from the toolbar or click **Insert** → **Add New MetricSet** from the menu bar. Alternatively, perform the following steps:

1. In the left pane, right-click **MetricSets** .
2. Click **Add New MetricSet** .

A new MetricSet (with the name **New MetricSet**) appears in the list of MetricSets.

2. In the right pane, specify the following options:

Option	Description
MetricSet Name	Type an appropriate name.
Command	Select a command from the list of available commands.

3. Click **Apply Changes** .
4. Click **File** → **Save** .

After you add a new MetricSet, the PowerShell collection configuration utility adds a new metric template to the MetricSet. You can create new metrics and add to the newly created MetricSet.

To modify an existing MetricSet

CAUTION:

Do not modify the existing default MetricSets. You can modify a MetricSet that you have added to the PowerShell collection configuration utility.

1. In the left pane, click the MetricSet that you want to modify.
2. In the right pane, specify the following options:

Option	Description
MetricSet Name	Type an appropriate name.
Command	Select a command from the list of available commands.


**NOTE:**

If you change the command, existing metrics associated with the MetricSet are deleted.

3. Click **Apply Changes** .

4. Click **File** → **Save** .

Do not delete a MetricSet that is present in the PowerShell collection configuration utility by default. To delete a MetricSet that you have added to the PowerShell collection configuration utility, right-click the MetricSet in the left pane, and then click **Delete this MetricSet** .

See Example 

Related Topics:

- Adding or modifying a metric
- Adding and modifying a DataStore

Adding or modifying an OpCMsg Call

If some metric values cross a certain limiting value, you can receive alert messages in the HPOM message browser. The SPI retrieves the alert-message information from an OpCMsg Call. An OpCMsg Call is an element of a collection definition, which holds the following information:

- Limiting value (or range of values) for a metric
- Alert message if the metric does not match the above value or crosses the range of values
- Severity level of the event when the metric does not match the limiting value

The PowerShell collection configuration utility enables you to add a new OpCMsg Call or modify an existing one.

To add a new OpCMsg Call

1. In the left pane, expand **Collection Components** , and then right-click **OpCMsg Calls** .
2. Click **Add New OpCMsg Call** .
3. In the right pane, specify the following options:

Option	Description
OpCMsg Call Set Name	Type an appropriate name.
Application	Type an appropriate name of the application that will be affected. You can view this text in the HPOM message browser when you open the Message Properties dialog box. You can leave this field blank.
Object	Type an appropriate name of the object of the application that will be affected. You can view this text in the HPOM message browser when you open the Message Properties dialog box. You can leave this field blank.
Severity	Select the severity level of the event.
Message Text	Type the message that you want to generate.
MetricSet Ref	Select an available MetricSet from the list.
Metric Ref	Select an available metric from the list.
Select Arithmetic Operator	Select an available arithmetic operation from the list.
	This field is enabled only when you choose more than one limiting value or condition for the chosen

Select Logical Operator to combine with Previous Rule	metrics. Select AND or OR to combine the rules that you create based on the available arithmetic operators.
Value to compare	Select the limiting (threshold) value of the selected metric.

4. Click **Apply Changes** .
5. Click **File** → **Save** .

To modify an existing OpCMsg Call

1. In the left pane, expand **Collection Components** , and then click the OpCMsg Call that you want to modify .
2. In the right pane, specify the following options:

Option	Description
OpCMsg Call Set Name	Type an appropriate name.
Application	If necessary, modify the name of the application that will be affected. You can view this text in the HPOM message browser when you open the Message Properties dialog box. You can leave this field blank.
Object	If necessary, modify the name of the object of the application that will be affected. You can view this text in the HPOM message browser when you open the Message Properties dialog box. You can leave this field blank.
Severity	Select the severity level of the event.
Message Text	Type the message that you want to generate.
MetricSet Ref	Select an available MetricSet from the list.
Metric Ref	Select an available metric from the list.
Select Arithmetic Operator	Select an available arithmetic operation from the list.
Select Logical Operator to combine with Previous Rule	This field is enabled only when you choose more than one limiting value or condition for the chosen metrics. Select AND or OR to combine the rules that you create based on the available arithmetic operators.
Value to compare	Select the limiting (threshold) value of the selected metric.

3. Click **Apply Changes** .
4. Click **File** → **Save** .

To delete an existing OpCMsg Call, right-click the OpCMsg Call in the left pane, and then click **Remove this** .

See Example 

Related Topics:

- Adding or modifying a metric
- Adding or modifying a MetricSet
- Adding and modifying a DataStore

Adding or modifying an OpCMon Call

The PowerShell collection configuration utility enables you to add a new OpCMon Call or modify an existing one. An OpCMon Call sets a limiting value for metric data through a measurement threshold policy. The SPI retrieves the details like message text and severity from the measurement threshold policy.

 **NOTE:**

You can use OpCMon Calls only for numeric metric values.

To add a new OpCMon Call

1. In the left pane, expand **Collection Components** , and then right-click **OpCMon Calls** .
2. Click **Add New OpCMon Call** .
3. In the right pane, specify the following options:

Option	Description
Name	Type an appropriate name for the OpCMon Call.
MetricSet Ref	Select an available MetricSet.
Metric Ref	Select the metric name for which you want to set the OpCMon Call.

4. In the Measurement Threshold Policy name text box, type the name of a measurement threshold policy to which you want to associate this OpCMon Call.
5. Click **Apply Changes** .
6. Click **File** → **Save** .

To modify an existing OpCMon Call

1. In the left pane, click the OpCMon Call that you want to modify .
2. In the right pane, modify the following options, if necessary:

Option	Description
Name	Type an appropriate name for the OpCMon Call.
MetricSet Ref	Select an available MetricSet.
Metric Ref	Select the metric name for which you want to set the OpCMon Call.

3. In the Measurement Threshold Policy name text box, type the name of a measurement threshold policy to which you want to associate this OpCMon Call.
4. Click **Apply Changes** .
5. Click **File** → **Save** .

To delete an existing OpCMon Call, right-click the OpCMon Call in the left pane, and then click **Remove this** .

Related Topics:

- Adding and modifying a DataStore
- Adding and modifying an OpCMsg Call
- Adding and modifying a collection configuration

Adding or modifying a DataStore

DataStores define the way in which you can store metric data. After the SPI collects metric data by using collectors, you can store the collected data either in the HP Operations agent's data store (CODA) or in the HP Performance Agent (if you have it installed in your HPOM environment). The PowerShell collection configuration utility enables you to add a new DataStore.

To add a new DataStore:

1. In the left pane, right-click **DataStores** .
2. Click **Add New DataStore** .
3. In the right pane, specify the following options:

Option	Description
Name	Type an appropriate name for the DataStore.
Capacity	Type the number of rows for the DataStore.
Data Source	Type EX2007_DATA.
Data Table	Type EX2007_<table name >, where <table name > is an appropriate name for the table.
Index By	Type DAY.
Roll By	Type the interval at which the data should be flushed out of the data store. You can specify DAY, WEEK, or MONTH. You cannot store data for more than a month.

4. From the Select MetricSet reference drop-down list, select a MetricSet.
5. From the Select Metric reference drop-down list, select a metric.
6. In the Select Data column reference box, type a name for the data column in which the DataStore will store the metric selected above. Do not leave this field blank if you want to add more than one metric.
7. Click **Add** . You can add more than one MetricSet and metric.
8. Click **Apply Changes** .
9. Click **File** → **Save** .

After you create a new DataStore, you must add it to an existing collection configuration. After adding the newly created DataStore to an existing collection configuration, follow these steps:

1. Go to the newly created DataStore.
2. In the right pane, click **Generate SPEC** . The Spec File Generator dialog box opens.
3. In the Spec File Generator dialog box, type an appropriate label name in the Table Label text box, and then click **Create** . The details of the SPEC file appear in the Preview of the SPEC File section.
4. Click **Save** . A pop-up box opens to confirm the successful creation of the spec file.
5. Close the Spec File Generator dialog box.

 **NOTE:**

If you create a new DataStore and generate a spec file by using the PowerShell collection configuration utility, you must launch the Create Data Source tool on the nodes on which you want the new collection mechanism to take effect. Launch the Create Data Source tool on the nodes before you deploy the EXSPI-8X SPIMetaData Versioning policy.

To modify an existing DataStore:

 **CAUTION:**

Do not modify the existing default DataStores. You can modify a DataStore that you have added to the PowerShell collection configuration utility.

1. In the left pane, click the DataStore that you want to modify .
2. In the right pane, specify the following options:

Option	Description
Name	Type an appropriate name for the DataStore.
Capacity	Type the number of rows for the DataStore.
Data Source	Type EX2007_DATA.
Data Table	Do not change the data table name.
Index By	Type DAY.
Roll By	Type the interval by which the data should be flushed out of the data store. You can specify DAY, WEEK, or MONTH. You cannot store data for more than a month.

3. From the Select MetricSet reference drop-down list, select a MetricSet.
4. From the Select Metric reference drop-down list, select a metric.
5. In the Select Data column reference box, type a name for the data column in which the DataStore will store the metric selected above. Do not leave this field blank if you want to add more than one metric.

6. Click **Add** . You can add more than one MetricSet and metric.
7. To add a new MetricSet and a new metric to this DataStore, in the Add Reference section, select new MetricSet and metric, and then click **Add** .
8. To delete existing MetricSets and metrics from this DataStore, select an entry from the Available Metric References list, and then click **Delete** .
9. Click **Apply Changes** .
10. Click **File** → **Save** .


After you modify an existing DataStore, you must re-generate the spec file. To re-generate the spec file for the modified DataStore, follow these steps:

1. Go to the modified DataStore.
2. In the right pane, click **Generate SPEC** . The Spec File Generator dialog box opens.
3. In the Spec File Generator dialog box, type an appropriate label name in the Table Label text box, and then click **Create** . The details of the SPEC file appear in the Preview of the SPEC File section.
4. Click **Save** . A pop-up box opens to confirm the successful creation of the spec file.
5. Close the Spec File Generator dialog box.

 **NOTE:**

If you modify a DataStore and re-generate the spec file by using the PowerShell collection configuration utility, you must launch the Create Data Source tool on the nodes on which you want the new collection mechanism to take effect. Launch the Create Data Source tool on the nodes before you run the EXSPI-8X SPIMetaData Versioning policy.

Do not delete a DataStore that is present in the PowerShell collection configuration utility by default. To delete a DataStore that you have added to the PowerShell collection configuration utility, right-click the DataStore in the left pane, and then click **Remove this** . If the DataStore is associated with an existing collection configuration, the utility removes the DataStore from the collection.

See Example 


Related Topics:

- Adding or modifying a MetricSet
- Adding or modifying a metric

Adding or modifying a collection configuration

A collection defines the complete mechanism of metric data collection. A collector can collect metric data, log it to a data store, or send a message to the HPOM message browser for threshold violation. A collection configuration consists of all the elements that collectively describe the complete lifecycle of the collection mechanism for a MetricSet.

To add a new collection configuration

1. In the left pane, right-click **Collection Configurations** , and then click **Add New Collection** .
Alternatively, click  from the tool bar, or click **Insert** → **Add New Collection** from the menu bar.
A new collection appears in the left pane under Collections and the Add metrics to a Collection dialog box opens.
2. Select a MetricSet from the drop-down list.
3. To add an OpCMsg Call to this collection, click **Add OpCMsg** in the right pane. The Add OpCMsg Call to a Collection dialog box opens.
4. Select an OpCMsg Call from the drop-down list.
5. To add an OpCMon Call to this collection, click **Add OpCMon** in the right pane. The Add OpCMon Call to a Collection dialog box opens.
6. Select an OpCMon Call from the drop-down list.
7. To add a DataStore, click **Add DataStore** in the right pane. The Add DataStore to a Collection dialog box opens.
8. Select a DataStore from the drop-down list.
9. In the right pane, type an appropriate name in the Collection Configuration Name text box.
10. Click **File** → **Save** .
11. Note the command displayed in the Schedule Task Policy Command text box.
12. After you add a new collection configuration, you must perform the following tasks:
 1. Create a new scheduled task policy.
 2. In the newly created scheduled task policy, specify the command that you have noted down.

**NOTE:**

You must deploy the newly created scheduled task policy (along with the EXSPI-8X SPIMetaData Versioning policy) on the nodes where you want the changed data collection mechanism to take effect.

If you use a Japanese OVO for Windows 7.50 as the management server, redeploy the SPI for Exchange 2007 instrumentation on the managed node instead of deploying the EXSPI-8X SPIMetaData Versioning policy.

To modify an existing collection configuration

 **CAUTION:**

Do not modify the existing default collection configurations. You can modify a collection configuration that you have added.

1. In the left pane, click the collection configuration that you want to modify .
2. In the right pane, right-click the collection configuration block or any other component block to edit.
3. After making changes, click **File** → **Save** .

Do not delete a collection configuration that is present in the PowerShell collection configuration utility by default. To delete a collection configuration that you have added to the PowerShell collection configuration utility, right-click the collection in the left pane, and then click **Delete this Collection** .

Related Topics:

- Adding and modifying a DataStore
- Adding and modifying an OpCMsg Call
- Adding and modifying an OpCMon Call

Exchange Cluster Configuration

The Exchange Cluster Configuration tool generates the `apminfo.xml` file. The `apminfo.xml` file provides necessary information to enable the Microsoft Exchange SPI to recognize and monitor cluster nodes of Microsoft Exchange Server 2007/2010.

To run the Exchange Cluster Configuration tool:

1. In the console tree, expand **Tools** → **SPI for Exchange** → **Exchange 2007/Exchange 2010** .
2. In the details pane, double-click **Exchange Cluster Configuration** . The Select where to launch this tool dialog box opens.
3. Click **Launch** . The Tool Status window opens and displays the output under the Tool Output section.
4. Select the text content under the Tool Output section, and copy it to a text editor.
5. Save the text as `apminfo.xml` in the following locations on cluster nodes:
For DCE-managed nodes—`%OvAgentDir%\conf\OpC\
For HTTPS-managed nodes—%OvAgentDir%\conf\conf\ (create this folder manually if it does not exist)`
6. Stop and start the agents on the cluster nodes with the following commands:
`opcagt -kill`
`opcagt -start`

Related Topics:

- Stop ExData Collection Manager
- Tools for Microsoft Exchange Server
- PowerShell Collection Configuration Utility

EXSPI Trace

The EXSPI Trace tool obtains troubleshooting information from the managed nodes. The Microsoft Exchange SPI stores the troubleshooting information in the following locations on the managed nodes:

`%OvAgentDir% \ Installed Packages\{790C06B4-844E-11D2-972B-080009EF8C2A}\bin\exspi\log` on a managed node with DCE based agent,

or `%OvDataDir%\bin\exspi\log` on a managed node with HTTPS based agent.

This tool enables you to set two trace levels:

- `<T1Value>` specifies trace level for Scheduler and CollectorServer. The value will be either 0 or 1
- `<T2Value>` specifies trace level for power shell script file. The value will be ranging from 0 to 2, where 2 is the maximum possible value.

To run the EXSPI Trace tool on a managed node, follow these steps:

1. In the console tree, expand **Tools** → **SPI for Exchange** , and double-click **Exchange 2007 /Exchange 2010** .
2. In the details pane, double-click **EXSPI Trace** . The Select where to launch this tool dialog box opens.
3. Select a node, and click **Launch** . The Edit Parameters dialog box opens.
4. In the Parameter edit box, type a value for `<T1 Value>` or `<T2 Value>`. For example T1 0, T2 1.
5. Click **Launch** .

Related Topics:

- Adding or modifying a metric
- Adding or modifying a metric set
- Adding and modifying a DataStore

HP Operations Topology Viewer

The HP Operations Topology Viewer provides a quick means to seeing a Microsoft Exchange Server 2007/2010 environment, providing a hierarchical view in a tree (left pane), and a topological view in a map (right pane). The left pane shows the organization or admin groups or Microsoft Exchange servers or connectors or routing groups components or all, while the map in the right pane graphically represents servers or routing groups or connectors links and connections or all.

After you launch the HP Operations Topology Viewer and enter domain controller access information, the tool gathers data from the domain controller and Microsoft Exchange servers. From this information a map is created, displaying servers, connectors, and routing groups.

 **NOTE:**

The Topology Viewer provides a view that reflects the Active Directory site or server replication information or the Microsoft Exchange organization or all information at the time you connect to a server. The view remains static until you refresh it. To update the view, select from the menu **File → Refresh Data** . The map is then updated.

In the Topology Viewer window right pane, the map initially shows Routing group connectors, external mail connectors. You can display the server labels and modify the display by selecting **View → Properties** . The Properties page enables you many options for how to display the map. You can show or hide connectors between routing groups, server labels and roles, DC Roles.

Related Topics:

- Using the Operations Manager Topology Viewer
- Operations Manager Topology Viewer toolbar
- Operations Manager Topology Viewer menus
- Operations Manager Topology Viewer map connections

Register DataCollector

The Register DataCollector tool registers necessary COM components on the nodes. Run this tool before you start monitoring the nodes.

To run the Register DataCollector tool on managed nodes

1. In the console tree, expand **Tools** → **SPI for Exchange** → **Exchange 2007/Exchange 2010** .
2. In the details pane, double-click **Register DataCollector** . The Select where to launch this tool dialog box opens.
3. Select the nodes on which you want to run the tool, and then click **Launch** . The Tool Status window opens and displays if the tool is successfully launched on selected nodes.

Related Topics:

- Stop Collection Manager
- Tools for Microsoft Exchange Server

Delete Older EXSPI Artifacts

The Delete Older EXSPI Artifacts tool removes the previous version of the Microsoft Exchange SPI (version 12.x) policies and instrumentation categories deployed from all the Microsoft Exchange SPI managed nodes.

Related Topics:

- [Stop Collection Manager](#)
- [Tools for Microsoft Exchange Server](#)

Delete Older EXSPI Classes

The Delete Older EXSPI Classes removes the previous version of data store on the managed nodes.

Related Topics:

- [Stop Collection Manager](#)
- [Tools for Microsoft Exchange Server](#)

Edit XPL Configuration File

The Edit Configuration File enables the PowerShell Collector tool to run as non-agent user. Run this tool on the managed node before starting the Start Powershell Collector tool.

Related Topics:

- [Stop Collection Manager](#)
- [Tools for Microsoft Exchange Server 2007](#)

Self-Healing Info Tool

The Self-Healing Info tool gathers system information, configuration information, log files, and trace files. The information collected by this tool is helpful when you troubleshoot problems. Gathered information and files are placed in a pre-defined output directory. The data collector gathers real-time data, which reduces the probability of troubleshooting with outdated data.

Related Topics:

- [Using Tools](#)

Self-Healing Verification tool

Launch this tool to detect any version mismatch between the Microsoft Exchange SPI and the instrumentation files. If the tool detects any mismatch, it displays an error message in the tool status window.

Related Topics:

- [Using Tools](#)

Using Reports

 **NOTE:**

See Report, Report Table, Data Store, and Policy Mapping Details to check the policy required for each report.

After you install the Microsoft Exchange SPI, and if HP Reporter is installed in the monitoring environment, HPOM can generate reports, using the Microsoft Active Directory SPI-collected data.

 **NOTE:**

To access reports and graphs from HPOM 8.10 console, you must install HP Reporter in your environment and HP Performance Manager on the HPOM management server.

The Microsoft Exchange SPI reports for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 are located in the HPOM console under **Reports** → **SPI for Exchange 2007/ SPI for Exchange 2010** . The SPI for Exchange **Reports** and **Graphs** folders are created when data is collected on the managed nodes and the Service Reporter consolidation process has run, usually after 24 hours.

Scheduling: Most reports generate the day after the data is collected and gathered from the managed node. Because some collectors are scheduled to run on Sunday night, certain reports will not generate until Monday morning. Trend reports require at least three days of data gathered from the managed nodes.

The Microsoft Exchange SPI has the following reports:

- Exchange 2007/2010 Availability
- Exchange 2007/2010 Client Access Server Availability
- Exchange 2007/2010 Edge Transport Server Availability
- Exchange 2007/2010 Hub Transport Server Availability
- Exchange 2007/2010 Mailbox Server Availability
- Exchange 2007/2010 Unified Messaging Server Availability
- Exchange 2007/2010 Public Folder Store Message Trends by Server
- Exchange 2007/2010 IMAP4 Connections by Server
- Exchange 2007/2010 Inactive Mailboxes by Server
- Exchange 2007/2010 Users and Connections by Server
- Exchange 2007/2010 Mailbox Details by Server
- Exchange 2007/2010 Messages Received per Server by AD Site
- Exchange 2007/2010 Mailbox Store Msg Trends by Server
- Exchange 2007/2010 Messages Received per Server by AD Site

- Exchange 2007/2010 Mailbox Server Messages Sent
- Exchange 2007/2010 POP3 Connections by Server
- Percentage of successful RPC client server operations between clients and Exchange 2007/2010
- Exchange 2007/2010 SMTP Receive Messaging Trends by Server
- Exchange 2007/2010 SMTP Send Messaging Trends by Server
- Exchange 2007/2010 Top Outgoing E-mail
- Exchange 2007/2010 Top Outgoing E-mail Per AD Site
- Exchange 2007/2010 Top Recipients Per AD Site
- Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Messages
- Exchange 2007/2010 Top Senders Per AD Site
- Exchange 2007/2010 Top Recipients
- Exchange 2007/2010 Top Senders
- Exchange Top Incoming E-mail
- Exchange 2007/2010 Top Incoming E-mail Per AD Site
- Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Messages
- Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Largest Messages
- Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Largest Messages
- Exchange 2007/2010 Top 100 Mailboxes
- Exchange Top Destinations
- Exchange Top Sources
- Exchange Top Recipients
- Exchange Top Senders
- Exchange 2007/2010 Mailbox Server Size of Messages Received
- Exchange 2007/2010 Mailbox Server Size of Messages Sent
- Exchange 2007/2010 Spam Statistics
- Exchange 2007/2010 Top Blocked Recipients
- Exchange 2007/2010 Top Blocked Sender Domains
- Exchange 2007/2010 Top Blocked Sender IP
- Exchange 2007/2010 Top Blocked Senders
- Exchange 2007/2010 Top Spammers
- Exchange 2007/2010 Top Reasons for Blocked Mails

- Highest Growth Mailboxes
- Exchange 2007/2010 Mail Flow Success Percent by Server
- Exchange 2007/2010 Mail Flow Latency / Server by Server
- Exchange 2007/2010 Mail Flow Latency by Server / day
- Exchange 2007/2010 Mail Flow Latency by Server / Week
- Exchange 2007/2010 Mail Flow Latency / Site by Server
- Exchange 2007/2010 Mail Flow Success Percent / Site

Exchange 2007/2010 Availability

Exchange 2007/2010 Availability report indicates the availability status of the Microsoft Exchange Server 2007 and the Microsoft Exchange Server 2010. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 to run without hinderance. The Exchange 2007/2010 Availability report identifies if any of these services are unavailable.

To launch this report,

For Microsoft Exchange 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging**, and **Exchange 2007 Availability** in the HPOM console.

Report Template File Name: g_Exchange 2007 Availability.rpt

For Microsoft Exchange 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging**, and **Exchange 2010 Availability** in the HPOM console.

Report Template File Name: g_Exchange 2010 Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 services can successfully run. One or more possible causes of availability failure can be:

- Lack of system resources
- Wrong configuration
- Performance failures in the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 environment

Other details of the report are:

Availability: Next day.

Required Policies: For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy.

Policy Schedule : Once in every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME

- AVAILABILITY

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007)

EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting the Exchange 2007/ 2010 Availability report.

Exchange 2007/2010 Client Access Server Availability

Exchange 2007/2010 Client Access Server Availability report indicates the availability status of the nodes with the Client Access Server role in the Microsoft Exchange Organization. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 nodes with the Client Access Server role to run without hinderancey. The Exchange 2007/2010 Client Access Server Availability report identifies if any of these services are unavailable.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Client Access Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Client Access Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2007 Client Access Server Availability.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Client Access Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Client Access Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2010 Client Access Server Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Exchange 2007/2010 Client Access Server services can successfully run. One or more possible causes of availability failure are:

- Lack of system resources
- Wrong configuration
- Performance failures in the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 environment

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy.

Policy Schedule : Every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME

- AVAILABILITY
- SERVER_ROLE

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007) and EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Client Access Server Availability report.

Exchange 2007/2010 Edge Transport Server Availability

Exchange 2007/2010 Edge Transport Server Availability report indicates the availability status of the nodes with the Edge Transport Server role in the Microsoft Exchange Organization. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 nodes with the Edge Transport Server role to run without hinderance. The Exchange 2007/2010 Edge Transport Server Availability report identifies if any of these services are unavailable.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Edge Transport Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Edge Transport Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2007 Edge Transport Server Availability.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Edge Transport Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Edge Transport Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2010 Edge Transport Server Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Exchange 2007/2010 Edge-Transport services can successfully run. One or more possible causes of availability failure are:

- Lack of system resources
- Wrong configuration
- Performance failures in the Microsoft Exchange Server 2007 environment

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy.

Policy Schedule : Every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME
- AVAILABILITY
- SERVER_ROLE

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007) and EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Edge Transport Server Availability report.

Exchange 2007/2010 Hub Transport Server Availability

Exchange 2007/2010 Hub Transport Server Availability report indicates the availability status of the nodes with the Hub Transport Server role in the Microsoft Exchange Organization. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 nodes with the Hub Transport Server role to run without hinderance. The Exchange 2007/2010 Hub Transport Server Availability report identifies if any of these services are unavailable.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Hub Transport Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Hub Transport Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2007 Hub Transport Server Availability.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Hub Transport Server Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Hub Transport Server Availability** in the HPOM console.

Report Template File Name : g_Exchange 2010 Hub Transport Server Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Exchange 2007/2010 Hub Transport Server services can successfully run. One or more possible causes of availability failure are:

- Lack of system resources
- Wrong configuration
- Pperformance failures in the Microsoft Exchange Server 2007 environment

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy:

Policy Schedule : Every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME

- AVAILABILITY
- SERVER_ROLE

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007) and EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Hub Transport Server Availability report.

Exchange 2007/2010 Mailbox Server Availability

Exchange 2007/2010 Mailbox Server Availability report indicates the availability status of the nodes with the Mailbox Server role in the Microsoft Exchange Organization. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 nodes with the Mailbox Server role to run without hinderance. The Exchange 2007/2010 Mailbox Server Availability report identifies if any of these services are unavailable.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mailbox Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Mailbox Availability** in the HPOM console.

Report Template File Name : g_Exchange 2007 Mailbox Server Availability.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mailbox Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Mailbox Availability** in the HPOM console.

Report Template File Name : g_Exchange 2010 Mailbox Server Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Exchange 2007/2010 Mailbox Server services can successfully run. One or more possible causes of availability failure are:

- Lack of system resources
- Wrong configuration
- Pperformance failures in the Microsoft Exchange Server 2007 environment

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy.

Policy Schedule : Every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME
- AVAILABILITY

- SERVER_ROLE

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007) and EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Availability report.

Exchange 2007/2010 Unified Messaging Server Availability

Exchange 2007/2010 Unified Messaging Server Availability report indicates the availability status of the nodes with the Unified Messaging Server role in the Microsoft Exchange Organization. The Microsoft Exchange SPI monitors the availability of the services that are necessary for Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 nodes with the Unified Messaging Server role to run without hinderance. The Exchange 2007/2010 Unified Messaging Server Availability report identifies if any of these services are unavailable.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Unified Messaging Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Unified Messaging Availability** in the HPOM console.

Report Template File Name: g_Exchange 2007 Unified Messaging Server Availability.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Unified Messaging Availability** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Unified Messaging Availability** in the HPOM console.

Report Template File Name: g_Exchange 2010 Unified Messaging Server Availability.rpt

Report Content

This report (pie chart) displays the duration (percentage of time) for which the Exchange 2007/2010 Unified Messaging Server services can successfully run. One or more possible causes of availability failure are:

- Lack of system resources
- Wrong configuration
- Pperformance failures in the Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 environment

Other details of this report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Exchange Availability policy.

Policy Schedule : Every 5 minutes

Policy Location : Manual Deploy Groups \ Availability

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

- SERVER_NAME
- AVAILABILITY
- SERVER_ROLE

Reporter table : EX2007_AVAILABILITY (For Microsoft Exchange Server 2007) and EXSPI_AVAILABILITY (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Unified Messaging Server Availability report.

Exchange 2007/2010 Top 100 Mailboxes

The Exchange 2007/2010 Top 100 Mailboxes lists the top 100 mailboxes by disk space usage across all mailbox databases for all Microsoft Exchange 2007/2010 servers. It contains the most recent information available as of the date indicated.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top 100 Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mailbox Store** → **Exchange 2007 Top 100 Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Mailboxes.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top 100 Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mailbox Store** → **Exchange 2010 Top 100 Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Mailboxes.rpt

Report Sections

Top Mailboxes by Disk Space Usage : This section contains information on high disk space usage mailboxes, as obtained from Exchange database queries through the Exchange cmdlets.

Information	Description
Size (MB)	Logical size of the mailbox based on the sum of the size of all messages in the mailbox. Units are in megabytes.
Mailbox Name	Display name of the Exchange mailbox.
Location	Name of the server and location of the mailbox
Storage Limit	Has one of the following values: <ul style="list-style-type: none"> • Not Available • Below Limit • Issue Warning • Prohibit Send • No Checking • Mailbox Disabled

No. Msgs	The number of messages in the Mailbox.
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Other details of the report are:

Availability : The day after collection. This is a weekly collection.

Collection Detail : Each policy must execute once, and the data must be gathered to the Reporter database, and the report is generated from this data. The report only shows data from the most recent day; therefore all Microsoft Exchange systems should log this data during the same time period. This data is collected and logged weekly. The default schedule is set to collect and log data late Friday. If the data is gathered to the Reporter database nightly, this report is refreshed with data for Saturday viewing.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Mailbox Details policy.

Location : Manual Deploy Groups \ Mailbox Server \ Mailbox

Metrics : This report has the following metrics:

- MB_SIZE (MB)
- MB_MSGCOUNT: Number of Messages
- MB_STGLIMIT
- MB_LASTACCESS
- MB_SGNAME
- MB_DBNAME

Reporter table : EX2007_MBDETAIL (For Microsoft Exchange Server 2007) and EXSPI_MBDETAIL (For Microsoft Exchange Server 2010)

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top 100 Mailboxes report.

Exchange 2007/2010 Public Folder Store Message Trends by Server

The Exchange 2007/2010 Public Folder Store Message Trends by Server report contains summary and detail trend graphs showing Public Folder Store message volumes. The summary graph for each server shows overall messaging trends on the Microsoft Exchange server. Detail graphs show messaging trends for each public folder store in every public folder store and storage group, by server.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Public Folder Store Msg Tnd** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Public Folder Store** → **Exchange 2007 Public Folder Store Msg Tnd** in the HPOM console.

Report Template File Name : g_Exchange 2007 Public Folder Store Msg Trends.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Public Folder Store Msg Tnd** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Public Folder Store** → **Exchange 2010 Public Folder Store Msg Tnd** in the HPOM console.

Report Template File Name : g_Exchange 2010 Public Folder Store Msg Trends.rpt

Report Sections

This report contains two sections for each Microsoft Exchange Server:

Summary of Public Folder Store Messages Processed on Exchange Server: This section of the report provides a daily summary of all messages processed by all public folder hosted on the server. The default retention period for these metrics is 7 days.

Number of Messages Processed by : This section of the report provides a daily summary of all messages processed by the stated store. The default retention period for these metrics is 7 days.

Other details of this report are:

Availability : Next Day.

Required Policies: For this report to work properly, deploy the EXSPI-8X/14X Dc-IS Public Folder Performance policy.

Location : Manual Deploy Groups \ Mailbox Server \ Public Folder

Metrics : This report has the following metrics:

- PFDELIVER

- PFSSENT
- PFSUBMITTED
- PFRECIPIENT

Reporter table : EX2007_PFPERF (For Microsoft Exchange Server 2007) and EXSPI_PFPERF (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Public Folder Store Message Trends by Server report.

Exchange 2007/2010 IMAP4 Connections by Server

The Exchange 2007/2010 IMAP4 Connections by Server report provides a graph of the averaged connection counts for hours of the day over the time period indicated. The table shows the hourly plotted connection count values.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 IMAP4 Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Client Access** → **Exchange 2007 IMAP4 Connections** in the HPOM console.

Report Template File Name : g_Exchange 2007 IMAP4 Connections.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 IMAP4 Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Client Access** → **Exchange 2010 IMAP4 Connections** in the HPOM console.

Report Template File Name : g_Exchange 2010 IMAP4 Connections.rpt

Report Sections

Two report sections are populated for each Microsoft Exchange server where the IMAP4 service is running.

The *first report* section graphs the hourly averaged Connections, Failed, and Rejected connections for the time period indicated. This means that when a full week of data is consolidated to the database, connections over all of the days are averaged for plotting on the graph.

The *second report* section is a table of the data used in the preceding graph. The Failed and Rejection Percentages are also calculated. The Rejection Percentage is the number of rejected connections divided by the number of connections; the Failed Percentage is the number of rejected connections divided by the number of connections.

Other details of this report are:

Availability : Next day.

**NOTE:**

Prerequisite: Ensure that the MExchangeIMAP4 service is running on the server, and the associated Performance Object is available through perfmon.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-IMAP4 Performance policy:

Schedule: Hourly

Location: Manual Deploy Groups \ Client Access Server\ IMAP4

Metrics : : This report has the following metrics:

- IMAP4CON
- IMAP4FAILEDCON
- IMAP4REJECTEDCON

Reporter table : EX2007_IMAP4PERF (For Microsoft Exchange Server 2007) and EXSPI_IMAP4PERF (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 IMAP4 Connections by Server report.

Exchange 2007/2010 Users and Connections by Server

The Exchange 2007/2010 Users and Connections by Server report provides a graph of the averaged user and connections count for hours of the day over the time period indicated. The table shows the hourly plotted connection count values. Each Microsoft Exchange server is analyzed.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 IS Users and Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mailbox Store** → **Exchange 2007 IS Users and Connections** in the HPOM console.

Report Template File Name : g_Exchange 2007 IS Connections.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 IS Users and Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mailbox Store** → **Exchange 2010 IS Users and Connections** in the HPOM console.

Report Template File Name : g_Exchange 2010 IS Connections.rpt

Report Sections

Graph and Table of User and Connection Activity : The graph shows hourly trends of user connection statistics.

The report columns are as follows:

Graph and Table	Description
Avg of Users	Average number of users connected to the information store.
Avg of Active Users	Average number of active users connected to the information store.
Avg of Connections	Average number of connections to the information store.
Avg of Active Connections	Average number of active connections to the information store.
Avg of Anonymous Users	Average number of anonymous users.
Avg of Active Anonymous Users	Average number of active anonymous users.

Availability : Two days.

 **NOTE:****Prerequisites:**

- The user who runs the policy must have read-access right to perfmon data.
- Deploy the policy EXSPI-8X Dc-Information Store Performance. This policy gathers the perfmon data information store statistics and writes this data to the data store (CODA).

Collection Detail : The schedule policy EXSPI-8X/14X Dc-Information Store Performance is scheduled to run every 15 minutes. Data is gathered to the reporter database, and the report is generated the following day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Information Store Performance policy.

Schedule : Every 15 mins

Location : Manual Deploy Groups \ Mailbox Server \ Performance

Metrics : This report has the following metrics:

- ISUSERCNT
- ISACTIVEUSERCNT
- ISANONUSERCNT
- ISACTIVEANONUSERCNT
- ISCONNECTCNT
- ISACTIVECONNECTCNT

Reporter table : EX2007_ISPERF (For Microsoft Exchange Server 2007) and EXSPI_ISPERF (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007 Users and Connections by Server report.

Exchange 2007/2010 Mailbox Store Msg Trends by Server

The Exchange 2007/2010 Mailbox Store Msg Trends by Server report contains summary and detail trend graphs showing Mailbox Store message volumes. The summary graph for each server shows overall messaging trends on the Microsoft Exchange server. Detail graphs show messaging trends for each mailbox store instance.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mailbox Store Msg Trends** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mailbox Store** → **Exchange 2007 Mailbox Store Msg Trends** in the HPOM console.

Report Template File Name : g_Exchange 2007 Mailbox Store Msg Trends.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mailbox Store Msg Trends** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mailbox Store** → **Exchange 2010 Mailbox Store Msg Trends** in the HPOM console.

Report Template File Name : g_Exchange 2010 Mailbox Store Msg Trends.rpt

Report Sections

This report contains two sections for each Exchange server:

Summary of Mailbox Store Messages Processed on Exchange Server: This section of the report provides a daily summary of all messages processed by all mailbox stores hosted on the server. The default retention period for these metrics is 7 days.

Number of messages processed by <Store Name> : This section of the report provides a daily summary of all messages processed by the stated store. The default retention period for these metrics is 7 days.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-14X Dc-IS Mailbox Performance policy.

Schedule : Every 15 mins

Location : Manual Deploy Groups \ Mailbox Server \ Mailbox

Metrics : This report has the following metrics:

- MBDELIVER

- MBSSENT
- MBSUBMITTED
- MBRECIPIENT
- MBLOCALDELIVER

Reporter table : EX2007_MBPERF (For Microsoft Exchange Server 2007) and EXSPI_MBPERF (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Store Msg Trends by Server report.

Exchange 2007/2010 POP3 Connections by Server

The Exchange 2007/2010 POP3 Connections by Server report provides a graph of the averaged connection counts for hours of the day over the time period indicated. The table shows the hourly plotted connection count values.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 POP3 Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Client Access** → **Exchange 2007 POP3 Connections** in the HPOM console.

Report Template File Name : g_Exchange 2007 POP3 Connections.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 POP3 Connections** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Client Access** → **Exchange 2010 POP3 Connections** in the HPOM console.

Report Template File Name : g_Exchange 2010 POP3 Connections.rpt

Report Sections

Two report sections are populated for each Microsoft Exchange server where the POP3 service is running.

The *first report* section graphs the hourly averaged Connections, Failed, and Rejected connections for the time period indicated. This means that when a full week of data is consolidated to the database, connections over all of the days are averaged for plotting on the graph.

The *second report* section is a table of the data used in the preceding graph. The Failed and Rejection Percentages are also calculated. The Rejection Percentage is the number of rejected connections divided by the number of connections; the Failed Percentage is the number of rejected connections divided by the number of connections.

Other details of the report are:

Availability : Next day.

**NOTE:**

Prerequisite : Ensure that the MExchangePOP3 service is running on the server, and the associated Performance Object is available through perfmon.

Required Policies : For this report to work properly, deploy the EXSPI-14X Dc-POP3 Performance policy.

Schedule : Hourly

Location : Manual Deploy Groups \ Client Access Server\ POP3

Metrics : This report has the following metrics:

- POP3CON
- POP3FAILEDCON
- POP3REJECTEDCON

Reporter table : EX2007_POP3PERF (For Microsoft Exchange Server 2007) and EXSPI_POP3PERF (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 POP3 Connections by Server report.

Exchange 2007/2010 SMTP Receive Messaging Trends by Server

The Exchange 2007/2010 SMTP Receive Messaging Trends by Server report contains trend graphs showing the Simple Mail Transport Protocol (SMTP) incoming message volume. Graphs show trends in incoming message volume by messages and megabytes.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 SMTP Msg Recv Trends** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 SMTP Msg Recv Trends** in the HPOM console.

Report Template File Name : g_Exchange 2007 SMTP recv Messaging Trends.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 SMTP Msg Recv Trends** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 SMTP Msg Recv Trends** in the HPOM console.

Report Template File Name : g_Exchange 2010 SMTP recv Messaging Trends.rpt

Report Sections

Two report sections are populated for each Microsoft Exchange server where the SMTP service is running.

The *first report* section graphs the Number of Messages Processed by each SMTP server instance. The number of messages received is graphed for each SMTP server instance active on the server.

The *second report* section graphs the message megabytes processed by each SMTP server instance. The message size in megabytes of Received is graphed for each SMTP server instance active on the server.

Other details of the report are:

Availability : Next day.

NOTE:

Prerequisite : Ensure that the SMTP service is running on the server, and the associated Performance Object is available through perfmon.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-SMTP Performance for Inbound Connections policy.

Schedule : Hourly

Location: Manual Deploy Groups \ Hub Transport Server \ SMTP

Metrics : This report has the following metrics:

- SMTPMSGSENT
- SMTPMSGRECEIVE
- SMTPMSGBYTESENT
- SMTPMSGBYTERECEIVE

Reporter table : EX2007_SMTPRECV (For Microsoft Exchange Server 2007) and EXSPI_SMTPRECV (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 SMTP Receive Messaging Trends by Server report.

Exchange 2007/2010 Inactive Mailboxes by Server

The Exchange 2007/2010 Inactive Mailboxes by Server report lists all the mailboxes on the server that have not been accessed in 20, 40, and 60 or more days.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Inactive Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mailbox Store** → **Exchange 2007 Inactive Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2007 Inactive Mailboxes.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Inactive Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mailbox Store** → **Exchange 2010 Inactive Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2010 Inactive Mailboxes.rpt

Report Sections

This report contains data collected on Mailboxes grouped by Storage Group and Mailbox Store, sorted by Last Logon Date. It is in the form of a table with the following columns. The report columns are as follows:

Column Name	Description
Mailbox Name	The name of the mailbox.
Last Sent Date	The date when mail was last sent.
Size (MB)	Logical size of the mailbox based on the sum of the size of all messages in the mailbox. Units are in megabytes.
Number of Messages	The number of messages in the mailbox.

Other details of this report are:

Availability : The day after the collection. This is a weekly collection.

Collection Detail : Each policy must execute once, and the data must be gathered to the Reporter database. The report is generated from this data. This report only shows data from the most recent day; therefore all the Microsoft Exchange Systems should log this data during the same time period. This data is collected and logged weekly. The default schedule is set to collect and log data late Friday. If the data is gathered to the Reporter database nightly, this report is refreshed with data for Saturday viewing.

Mailbox size and Last Logon Date are extracted from the Microsoft Active Directory for each mailbox logged to the EX2007_MBDETAIL and EXSPI_MBDETAIL table.

Storage Group and Mailbox Store for each mailbox on the server are extracted from the Microsoft Active Directory and logged to the EX2007_MBDETAIL and EXSPI_MBDETAIL table.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Mailbox Details policy.

Location : Manual Deploy Groups \ Mailbox Server \ Mailbox

Metrics : This report has the following metrics:

- MB_SIZE (MB)
- MB_LASTACCESS
- MB_SGNAME
- MB_DBNAME

Reporter table : EX2007_MBDETAIL (For Microsoft Exchange Server 2007) and EXSPI_MBDETAIL (For Microsoft Exchange Server 2010)

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Inactive Mailboxes by Server report.

Exchange 2007/2010 Mailbox Details by Server

The Exchange 2007/2010 Mailbox Details by Server report provides detailed information about the mailboxes on the server including summary totals, size distribution, and top mail users.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mailbox Details** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mailbox Store** → **Exchange 2007 Mailbox Details** in the HPOM console.

Report Template File Name : g_Exchange 2007 Mailbox Details.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mailbox Details** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mailbox Store** → **Exchange 2010 Mailbox Details** in the HPOM console.

Report Template File Name : g_Exchange 2010 Mailbox Details.rpt

Report Sections

This report lists all the mailboxes on the server sorted by disk space usage. It contains the most recent information available as of the date indicated. Mailboxes are sorted by name and grouped by storage group and database. This report is organized as a table with the following columns.

The report columns are as follows:

Column Name	Description
Mailbox Name	The name of the mailbox.
Size (MB)	Logical size of the mailbox based on the sum of the size of all messages in the mailbox. Units are in megabytes.
Number of Messages	The number of messages in the mailbox.
Storage Limits	Has one of the following values: Not Available, Below Limit, Issue Warning, Prohibit Send, No Checking, and Mailbox Disabled.

Other details of the report are:

Availability : The day after collection. This is a weekly collection.

Collection Detail : Each policy must execute once, and the data must be gathered to the Reporter database. The report is generated from this data. The report only shows data from the most recent day; therefore all the Microsoft Exchange systems should log this data during the same time period. This data is collected and logged weekly. The default schedule is set to collect and log data late Friday. If the data is collected in the Reporter database nightly, this report is refreshed with data for Saturday viewing.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Get Mailbox Details policy.

Location : Manual Deploy Groups \ Mailbox Server\ Mailbox

Schedule : Friday at 21:05

Metrics: This report has the following metrics:

- MB_SIZE (MB)
- MB_MSGCOUNT: Number of Messages
- MB_STGLIMIT
- MB_LASTACCESS
- MB_SGNAME
- MB_DBNAME

Reporter table : EX2007_MBDETAIL (For Microsoft Exchange Server 2007) and EXSPI_MBDETAIL (For Microsoft Exchange Server 2010)

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Details by Server report.

Exchange 2007/2010 Top Senders

The Exchange 2007/2010 Top Senders report lists the top senders of emails based on the number of megabytes of e-mail sent. Each message is counted only once regardless of the number of recipients.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Senders** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Senders** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Senders.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Senders** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Senders** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Senders.rpt

Report Contents

This report displays tables indicating the size of the emails sent by every server with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Sender Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has SERVER_NAME as its metrics.

Reporter table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Senders report.

Exchange 2007/2010 Top Senders Per AD Site

The Exchange 2007/2010 Top Senders Per AD Site report lists the top senders of emails based on the size of the emails sent by each server of every Microsoft Active Directory site. The size of each email message is counted only once regardless of the number of recipients.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Senders Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Senders Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Senders Per ADSite.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Senders Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Senders Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Senders Per ADSite.rpt

Report Contents

This report displays tables indicating the size of the emails sent by every server for every Microsoft Active Directory site with the data that was gathered by HP Reporter over a period of one week.

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Sender Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has ADSITE_NAME as its metrics.

Reporter table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshootingExchange 2007/2010 Top Senders Per AD Site report.

Exchange 2007/2010 Top Outgoing E-mail

The Exchange 2007/2010 Top Outgoing E-mail report lists the top destinations of emails based on the number of megabytes of e-mail sent. Each message is counted once for every destination.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Destination** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Destination** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Destinations.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Destination** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Destination** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Destinations.rpt

Report Contents

This report displays tables indicating the sizes of the emails sent to different destinations with the data that was gathered by HP Reporter over a period of one week. The table indicates the following types of email destinations:

- *EX2007/2010*: The destination server is another Exchange 2007/2010 Mailbox server within your organization. The actual destination name displayed is the combination of the site name and Mailbox Server name.
- *EX*: The destination server is another Exchange server (2003) within your organization. The actual destination name displayed is the name of the Exchange Server.
- *SMTP*: The destination is an Internet address. The destination is not located in your Exchange organization.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Destination Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has SERVER_NAME as its metrics.

Reporter table : EX2007_DEST (For Microsoft Exchange Server 2007) and EXSPI_DEST (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Outgoing E-mail report.

Exchange 2007/2010 Top Outgoing E-mail Per AD Site

The Exchange 2007/2010 Top Outgoing E-mail Per AD Site report lists the top destinations of emails based on the number of megabytes of e-mail sent for every Microsoft Active Directory site. Each message is counted once for every destination.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Destination Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Destination Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Destinations.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Destination Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Destination Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Destinations.rpt

Report Contents

This report displays tables indicating the sizes of the emails sent to different destinations with the data that was gathered by HP Reporter over a period of one week. The table indicates the following types of email destinations:

- *EX2007/2010*: The destination server is another Exchange 2007/2010 Mailbox server within your organization. The actual destination name displayed is the combination of the site name and Mailbox Server name.
- *EX*: The destination server is another Exchange server (2003) within your organization. The actual destination name displayed is the name of the Exchange Server.
- *SMTP*: The destination is an Internet address. The destination is not located in your Exchange organization.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Destination Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has ADSITE_NAME as its metrics.

Reporter table : EX2007_DEST (For Microsoft Exchange Server 2007) and EXSPI_DEST (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Outgoing E-mail Per AD Site report.

Exchange 2007/2010 Mailbox Server Messages Sent

The Exchange 2007/2010 Mailbox Server Messages Sent report shows the number of messages sent from each managed Exchange Server 2007/2010 Mailbox Server for different Microsoft Active Directory sites.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 MB Server Msg Sent** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 MB Server Msg Sent** in the HPOM console.

Report Template File Name : g_exchange 2007 mailbox msg sent per AD Site.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 MB Server Msg Sent** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 MB Server Msg Sent** in the HPOM console.

Report Template File Name : g_exchange 2010 mailbox msg sent per AD Site.rpt

Report Contents

This report displays bar graphs indicating the number of messages sent from Mailbox Servers for different Microsoft Active Directory sites over a period of one day. The X-axis represents different servers in every Microsoft Active Directory site and the Y-axis represents the number of messages sent from every server.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-14X Dc-Get Top Sender Details policy.

Schedule : Every hour

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- ADSITE_NAME
- SERVER_NAME
- NUM_MSGS_SR

Reporter table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See [Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Messages Sent report](#).

Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Messages

The Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Messages report lists the top senders of emails based on the size of the emails sent by each server. The size of each email message is counted only once regardless of the number of recipients.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Top 20 Sender MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Top 20 Sender MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2007 Top 20 mailbox servers msg sent.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Top 20 Sender MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Top 20 Sender MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2010 Top 20 mailbox servers msg sent.rpt

Report Contents

This report displays bar graphs indicating the numbers of messages sent from mailboxes by 20 different servers with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Sender Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- SERVER_NAME
- NUM_MSGS_SR

Reporter table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See [Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Messages report](#).

Exchange 2007/2010 Top Recipients Per AD Site

The Exchange 2007/2010 Top Recipients Per AD Site report lists the top senders of emails based on the size of the emails received by each server of every Microsoft Active Directory site. The size of each email message is counted only once regardless of the number of recipients.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Recipients Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Recipients Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Recipients per AD Site.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Recipients Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Recipients Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Recipients per AD Site.rpt

Report Contents

This report displays tables indicating the size of the emails received by every server for every Microsoft Active Directory site with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Recipient Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has ADSITE_NAME as its metrics.

Reporter table : EX2007_RECP (For Microsoft Exchange Server 2007) and EXSPI_RECP (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Recipients Per AD Site report.

Exchange 2007/2010 Top Recipients

The Exchange 2007 Top Recipients report lists the top senders of emails based on the number of megabytes of e-mail received. Each message is counted only once regardless of the number of recipients.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Recipients** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Recipients** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Recipients.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Recipients** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Recipients** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Recipients.rpt

Report Contents

This report displays tables indicating the size of the emails received by every server with the data that was gathered by HP Reporter over a period of one week.

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Recipient Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics: This report has SERVER_NAME as its metrics.

Reporter table : EX2007_RECP (For Microsoft Exchange Server 2007) and EXSPI_RECP (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Recipients report.

Exchange Top Incoming E-mail

The Exchange Top Incoming E-mail report lists the top sources of emails based on the number of megabytes of e-mail received. Each message is counted only once regardless of the number of recipients. If an email contains recipients intended for different Mailbox Servers, the email is counted once for each server.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Sources** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Sources** in the HPOM console.

Report Template File Name : g_Exchange Top Sources.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Sources** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Sources** in the HPOM console.

Report Template File Name : g_Exchange Top Sources.rpt

Report Contents

This report displays tables indicating the sizes of the emails sent by different sources with the data that was gathered by HP Reporter over a period of one week. The table indicates the following types of email sources:

- *EX2007/2010*: The source server is another Exchange 2007/2010 Mailbox server within your organization. The actual source name displayed is the combination of the site name and Mailbox Server name.
- *EX*: The source server is another Exchange server (2003) within your organization. The actual source name displayed is the name of the Exchange Server.
- *SMTP*: The source is an Internet address. The source is not located in your Exchange organization.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Source Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has SERVER_NAME as its metrics.

Reporter table : EX2007_SOURCE (For Microsoft Exchange Server 2007) and EXSPI_SOURCE (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange Top Incoming E-mail report.

Exchange 2007/2010 Top Incoming E-mail Per AD Site

The Exchange 2007/2010 Top Incoming E-mail Per AD Site report lists the top sources of emails based on the number of megabytes of e-mail received for every Microsoft Active Directory site in the organization. Each message is counted only once regardless of the number of recipients. If an email contains recipients intended for different Mailbox Servers, the email is counted once for each server.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Sources Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Exchange 2007 Top Sources Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2007 Top Sources Per AD Site.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Sources Per AD Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Exchange 2010 Top Sources Per AD Site** in the HPOM console.

Report Template File Name : g_Exchange 2010 Top Sources Per AD Site.rpt

Report Contents

This report displays tables indicating the sizes of the emails sent by different sources for every Microsoft Active Directory site with the data that was gathered by HP Reporter over a period of one week. The table indicates the following types of email sources:

- *EX2007/2010*: The source server is another Exchange 2007/2010 Mailbox server within your organization. The actual source name displayed is the combination of the site name and Mailbox Server name.
- *EX*: The source server is another Exchange server (2003) within your organization. The actual source name displayed is the name of the Exchange Server.
- *SMTP*: The source is an Internet address. The source is not located in your Exchange organization.

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Source Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has tADSITE_NAME as its metrics.

Reporter table : EX2007_SOURCE (For Microsoft Exchange Server 2007) and EXSPI_SOURCE (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Incoming E-mail Per AD Site report.

Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Messages

The Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Messages report shows the top 20 receivers of messages.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Top 20 Receiver MB Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Top 20 Receiver MB Server** in the HPOM console.

Report Template File Name : g_exchange 2007 Top 20 mailbox servers msg received.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Top 20 Receiver MB Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Top 20 Receiver MB Server** in the HPOM console.

Report Template File Name : g_exchange 2010 Top 20 mailbox servers msg received.rpt

Report Contents

This report displays bar graphs indicating the number of messages received by 20 different servers with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Recipient Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- SERVER_NAME
- NUM_MSGS_RR

Reporter table : EX2007_RECP (For Microsoft Exchange Server 2007) and EXSPI_RECP (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See [Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers report](#).

Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Largest Messages

The Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Largest Messages report shows the top 20 receivers of messages (based on message size).

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Top 20 Largest Msg Receiver MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Top 20 Largest Msg Receiver MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2007 Top 20 mailbox servers msg size received.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Top 20 Largest Msg Receiver MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Top 20 Largest Msg Receiver MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2010 Top 20 mailbox servers msg size received.rpt

Report Contents

This report displays bar graphs indicating the sizes of messages received by 20 different servers with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Recipient Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- SERVER_NAME
- NUM_BYTES_RR

Reporter table : EX2007_RECP (For Microsoft Exchange Server 2007) and EXSPI_RECP (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See [Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Top 20 Receiver Servers of Largest Messages report](#).

Exchange 2007/2010 Mailbox Server Size of Messages Received

The Exchange 2007/2010 Mailbox Server Size of Messages Received report shows the number of bytes of messages received by each managed Exchange 2007/2010 Mailbox Server for different Active Directory sites.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports > SPI for Exchange 2007 > Exchange 2007 MB Server Msg Size Received** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Messaging** , and then **Exchange 2007 MB Server Msg Size Received** in the HPOM console.

Report Template File Name: g_exchange 2007 mailbox msg size received per AD Site.rpt

For Microsoft Exchange Server 2010:

click **Reports > SPI for Exchange 2010 > Exchange 2010 MB Server Msg Size Received** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Messaging** , and then **Exchange 2010 MB Server Msg Size Received** in the HPOM console.

Report Template File Name: g_exchange 2010 mailbox msg size received per AD Site.rpt

Report contents:

This report displays bar graphs indicating the bytes of messages received by Mailbox Servers for different Active Directory sites with the data that was gathered by HP Reporter over a period of one week. The X-axis represents different servers in every Active Directory site and the Y-axis represents the bytes of messages received by each server.

Availability: Next day.

Required Policy : For this report to work properly, deploy the: EXSPI-8X/14X Dc-Get Top Recipient Details policy

Schedule: Every week

Location: Manual Deploy Groups \ Hub Transport Server

Metrics: This report has the following metrics:

- ADSITE_NAME
- NUM_BYTES_RR

Table: EX2007_RECIP (For Microsoft Exchange Server 2007) and EXSPI_RECIP (For Microsoft Exchange Server 2010)

Summarization: 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Size of Messages Received report.

Exchange 2007/2010 Messages Received per Server by AD Site

The Exchange 2007/2010 Messages Received per Server by AD Site report shows the number of messages received by each managed Exchange 2007/2010 Mailbox Server for different Microsoft Active Directory sites.

Report Template File Name : g_exchange 2007 mailbox msg received per AD Site.rpt and g_exchange 2010 mailbox msg received per AD Site.rpt

Report Contents

This report displays bar graphs indicating the number of messages received by Mailbox Servers for different Microsoft Active Directory sites over a period of one day. The X-axis represents different servers in a Microsoft Active Directory site and the Y-axis represents the number of messages received by each server.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Recipient Details policy.

Schedule : Every hour

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- ADSITE_NAME
- SERVER_NAME
- NUM_MSGS_RR

Reporter table : EX2007_RECP (For Microsoft Exchange Server 2007) and EXSPI_RECP (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange Server Reports for troubleshooting Exchange 2007/2010 Messages Received per Server by AD Site report.

Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Largest Messages

The Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Largest Messages report shows the top 20 senders of messages (based on message size).

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Top 20 Largest Msg Sender MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Top 20 Largest Msg Sender MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2007 Top 20 mailbox servers msg size sent.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Top 20 Largest Msg Sender MB Servers** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Top 20 Largest Msg Sender MB Servers** in the HPOM console.

Report Template File Name : g_exchange 2010 Top 20 mailbox servers msg size sent.rpt

Report Contents

This report displays bar graphs indicating the sizes of messages sent from mailboxes by 20 different servers with the data that was gathered by HP Reporter over a period of one week.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Sender Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics : This report has the following metrics:

- SERVER_NAME
- NUM_BYTES_SR

Reporter table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See [Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mailbox Server Top 20 Sender Servers of Largest Messages report](#).

Exchange 2007/2010 Mailbox Server Size of Messages Sent

The Exchange 2007/2010 Mailbox Server Size of Messages Sent report shows the number of bytes of messages sent from each managed Exchange Server 2007/2010 Mailbox Server for different Active Directory sites.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports > SPI for Exchange 2007 > Exchange 2007 MB Server Msg Size Sent** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Messaging** , and then **Exchange 2007 MB Server Msg Size Sent** in the HPOM console.

Report Template File Name: g_exchange 2007 mailbox msg size sent per AD Site.rpt

For Microsoft Exchange Server 2010:

click **Reports > SPI for Exchange 2010 > Exchange 2010 MB Server Msg Size Sent** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Messaging** , and then **Exchange 2010 MB Server Msg Size Sent** in the HPOM console.

Report Template File Name: g_exchange 2010 mailbox msg size sent per AD Site.rpt

Report Contents

This report displays bar graphs indicating the bytes of messages sent from Mailbox Servers for different Active Directory sites with the data that was gathered by HP Reporter over a period of one week. The X-axis represents different servers in every Active Directory site and the Y-axis represents the bytes of messages sent from every server.

Other details of the report are:

Availability: Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Get Top Sender Details policy.

Schedule : Every week

Location : Manual Deploy Groups \ Hub Transport Server

Metrics: This report has the following metrics:

- ADSITE_NAME
- NUM_BYTES_SR

Table : EX2007_SENDER (For Microsoft Exchange Server 2007) and EXSPI_SENDER (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See [Troubleshooting Microsoft Exchange SPI Reports](#) for troubleshooting Exchange 2007/2010 Mailbox Server Size of Messages Sent report.

Percentage of Successful RPC Client Server Operations between Clients and Exchange 2007/2010

The Percentage of successful RPC client server operations between clients and Exchange 2007/2010 report displays the percentage of successful RPC client or server operations or both between clients (Microsoft Office Outlook 2003 and higher), Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Percentage of successful RPC operations** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Messaging** → **Percentage of successful RPC operations** in the HPOM console.

Report Template File Name : g_Exchange 2007 Percentage Successful RPC Operations.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Percentage of successful RPC operations** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Messaging** → **Percentage of successful RPC operations** in the HPOM console.

Report Template File Name : g_Exchange 2010 Percentage Successful RPC Operations.rpt

Report Contents

This report displays pie charts indicating the percentage of successful RPC client or server operations or both between clients and Microsoft Exchange Server 2007.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14X Dc-Outlook Client policy.

Schedule : Every 5 minutes

Location : Manual Deploy Groups \ Mailbox Server \ Outlook Performance

Metrics : This report has the following metrics:

- SYSTEMNAME
- ISRPCATTEMPT
- ISRPCSUCCEED

Reporter table : EX2007_ISCLIENT (For Microsoft Exchange Server 2007) and EXSPI_ISCLIENT (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Percentage of successful RPC client server operations between clients and Exchange 2007/2010 report.

Exchange 2007/2010 Spam Statistics

The Exchange 2007/2010 Spam Statistics report shows a bar graph of the total number of spam messages encountered, the number of spam messages deleted, quarantined, and rejected.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports > SPI for Exchange 2007 > Exchange 2007 Spam Statistics** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** and then **Exchange 2007 Spam Statistics** in the HPOM console.

Report Template File Name : g_SPAMStatistics.rpt

For Microsoft Exchange Server 2010:

click **Reports > SPI for Exchange 2010 > Exchange 2010 Spam Statistics** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** and then **Exchange 2010 Spam Statistics** in the HPOM console.

Report Template File Name : g_SPAMStatistics.rpt

Report contents:

This report displays (bar graph) the no. of messages quarantined, deleted and rejected in the past 1 week.

Availability : Next week.

Required Policies: For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics (on an edge server)
- EXSPI-8X/14X-Dc-HubMonitorSPAMStatistics (on a hub transport server)

Schedule: Once in 15 minutes

Location:

- EXSPI-8X/14X-Dc-HubMonitorSPAMStatistics: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**
- EXSPI-8X/14X-Dc-EdgeMonitorSPAMStatistics: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Edge Server > Transport Agent**

>

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

- MExchange Content Filter Agent: Messages Deleted

- MExchange Content Filter Agent: Messages Quarantined
- MExchange Content Filter Agent: Messages Rejected

Table: EX2007_SPAMSTATS (For Microsoft Exchange Server 2007) and EXSPI_SPAMSTATS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange Active Directory Reports for troubleshooting Exchange 2007/2010 Spam Statistics report.

Exchange 2007/2010 Top Blocked Recipients

The Exchange 2007/2010 Top Blocked Recipients report shows for each server, in descending order (ordered by the number of messages blocked), the mail addresses of users who were the recipients of the messages that were blocked the most.

This report helps you to identify the recipients being blocked the most. Too many messages blocked for a recipient could be an indication that the user has been using the official mail id for many subscriptions.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports > SPI for Exchange 2007 > Exchange 2007 Top Blocked Recipients** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** and then **Exchange 2007 Top Blocked Recipients** in the HPOM console.

Report Template File Name : g_TopBlockedRecipients.rpt

To launch this reports,

For Microsoft Exchange Server 2010:

click **Reports > SPI for Exchange 2010 > Exchange 2010 Top Blocked Recipients** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** and then **Exchange 2010 Top Blocked Recipients** in the HPOM console.

Report Template File Name : g_TopBlockedRecipients.rpt

Report contents

This report shows the intended recipients of the mails which were blocked the most in the past 1 week. The report also shows the corresponding number of mails blocked for each recipient. This report is shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Availability : Next week.

Required Policies : For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpts (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedRcpts (on a hub transport server)

Schedule: Once in a day

Location: This report is located at:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedRcpts: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**
- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedRcpts: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 >**

Manual Deploy Group > Edge Server > Transport Agent

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

- RecipientID
- Agent
- RecipientAddress

Table: EX2007_BLOCKEDRCPTS (For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDRCPTS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds. See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Blocked Recipients report.

Exchange 2007/2010 Top Blocked Sender Domains

The Exchange 2007/2010 Top Blocked Sender Domains report shows for each server, in descending order (ordered by the number of messages blocked), the domains that were blocked the most by the transport agents. This report helps you in identifying which domains are being blocked the most so that you can take appropriate actions.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports > SPI for Exchange 2007 > Exchange 2007 Top Blocked Sender Domains** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** , and then **Exchange 2007 Top Blocked Sender Domains** in the HPOM console.

Report Template File Name : g_TopBlockedSenderDomains.rpt

For Microsoft Exchange Server 2010:

click **Reports > SPI for Exchange 2010 > Exchange 2010 Top Blocked Sender Domains** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** , and then **Exchange 2010 Top Blocked Sender Domains** in the HPOM console.

Report Template File Name : g_TopBlockedSenderDomains.rpt

Report contents

This report displays the top domains which were the source for the mails that were blocked in the past 1 week. The report also shows the corresponding number of mails blocked for each domain. This report is shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Availability : Next week.

Required Policies : For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedData (on a hub transport server)

Schedule: Once in a day

Location: This report is located at:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**
- EXSPI-8X-Dc-EdgeAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Edge Server > Transport Agent**

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

- Domain
- Agent

Table: EX2007_BLOCKEDMAILS (For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDMAILS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds. See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Blocked Sender Domains report.

Exchange 2007/2010 Top Blocked Sender IP

The Exchange 2007/2010 Top Blocked Sender IP report shows for each server, in descending order (ordered by the number of messages blocked), the IP addresses which were the origin of the messages that were blocked the most by the Connection Filter Agent. The IP address could be within the same domain or some other external domain.

This report helps you to identify the machines or the exchange servers that were the origin of the messages being blocked. Too many messages blocked from an IP address within the same organization indicate that mails are being sent from unauthorized machines.

To launch this reports,

For Microsoft Exchange Server 2007:

Click **Reports > SPI for Exchange 2007 > Exchange 2007 Top Blocked Sender IP** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** and then **Exchange 2007 Top Blocked Sender IP** in the HPOM console.

Report Template File Name : g_TopBlockedSenderIP.rpt

For Microsoft Exchange Server 2010:

Click **Reports > SPI for Exchange 2010 > Exchange 2010 Top Blocked Sender IP** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** and then **Exchange 2010 Top Blocked Sender IP** in the HPOM console.

Report Template File Name : g_TopBlockedSenderIP.rpt

Report contents

This report shows the top ip addresses that were the source for the mails that were blocked in the past 1 week. The report also shows the corresponding number of mails blocked for each ip address. This report is shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Availability : Next week.

Required Policies: For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedData (on a hub transport server)

Schedule: Once in a day

Location: This report is located at:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**
- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Edge Server > Transport Agent**

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

- IPAddress
- Agent

Table: EX2007_BLOCKEDMAILS (For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDMAILS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Blocked Sender IP report.

Exchange 2007/2010 Top Blocked Senders

The Exchange 2007/2010 Top Blocked Senders report shows for each server, in descending order (ordered by the number of messages blocked), the senders' mail addresses whose messages were blocked the most by the Sender Filter Agent. The messages were blocked on examining the header of the messages. It could be due to various reasons like sender being blocked, or the sender domain is blocked, and so on. The sender could be from the same organization or some external domain user.

This report helps you to identify the senders who are being blocked the most. This could help in identifying unauthorized users to trying to send mails to the organization. Too many messages blocked from senders within the same organization indicate that users with low privileges or blocked users are trying to violate the policies.

To launch this reports,

For Microsoft Exchange Server 2007:

Click **Reports > SPI for Exchange 2007 > Exchange 2007 Top Blocked Sender IP** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** and then **Exchange 2007 Top Blocked Sender IP** in the HPOM console.

Report Template File Name : g_TopBlockedSenderIP.rpt

For Microsoft Exchange Server 2010:

Click **Reports > SPI for Exchange 2010 > Exchange 2010 Top Blocked Sender IP** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** and then **Exchange 2010 Top Blocked Sender IP** in the HPOM console.

Report Template File Name : g_TopBlockedSenderIP.rpt

Report contents

This report shows the top senders whose mails were blocked the most in the past 1 week. The report also shows the corresponding number of mails blocked for each sender. This report is shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Availability : Next week.

Required Policies : For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedData (on a hub transport server)

Schedule: Once in a day

Location: The policies are located at:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Edge Server > Transport Agent**

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

- SenderAddress
- Agent

Table: EX2007_BLOCKEDMAILS (For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDMAILS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Blocked Senders report.

Exchange 2007/2010 Top Spammers

The Exchange 2007/2010 Top Spammers report shows for each server, in descending order (ordered by the number of messages blocked), the senders' mail addresses whose messages were blocked (considering the messages to be spam) the most. These messages are blocked on examining the contents of the messages.

This report helps you in identifying senders who are sending spam or receiving too many spam mails. These senders could be within the same organization or an external user.

To launch this reports,

For Microsoft Exchange Server 2007:

Click **Reports > SPI for Exchange 2007 > Exchange 2007 Top Spammers** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2007 > SPI for Exchange 2007 > Blocked Mails** and then **Exchange 2007 Top Spammers** in the HPOM console.

Report Template File Name: g_TopSpammers.rpt

For Microsoft Exchange Server 2010:

Click **Reports > SPI for Exchange 2010 > Exchange 2010 Top Spammers** in the HP Reporter or by clicking **Reports > Microsoft Exchange Server 2010 > SPI for Exchange 2010 > Blocked Mails** and then **Exchange 2010 Top Spammers** in the HPOM console.

Report Template File Name: g_TopSpammers.rpt

Report contents

This report shows the top senders who had sent spam mails and were blocked in the past 1 week. The report also shows the corresponding number of mails blocked for each spammer. This report is shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Availability: Next week.

Required Policies: For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedData (on a hub transport server)

Schedule: Once in a day

Location: The policies are located at:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Hub Transport Server > Transport Agent**
- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData: **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Group > Edge Server > Transport Agent**

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

- SenderAddress
- Agent

Table: EX2007_BLOCKEDMAILS (For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDMAILS (For Microsoft Exchange Server 2010)

Summarization: 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Spammers report.

Exchange 2007/2010 Top Reasons for Blocked Mails

The Exchange 2007/2010 Top Reasons for Blocked Mails report shows for each server, in descending order (ordered by the no. of messages blocked), the reasons as to why the mails were blocked. This report shows the various reasons for the mails to get blocked.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Top Reasons for Blocked Mails** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Blocked Mails** → **Exchange 2007 Top Reasons for Blocked Mails** in the HPOM console.

Report Template File Name : g_TopReasonsBlockedMails.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Top Reasons for Blocked Mails** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Blocked Mails** → **Exchange 2010 Top Reasons for Blocked Mails** in the HPOM console.

Report Template File Name : g_TopReasonsBlockedMails.rpt

Report Contents

This report displays the top reasons as to why the mails were blocked with the corresponding count for each reason. These details are shown for each exchange server (with hub transport or edge transport role) in the organization along with the corresponding role.

Other details of this report are:

Availability : Next week.

Required Policies : For this report to work properly, deploy the following policies:

- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData (on an edge server)
- EXSPI-8X/14X-Dc-HubAgentLogBlockedData (on a hub transport server)

Schedule : Once in a day

Location : For:

- EXSPI-8X/14X-Dc-HubAgentLogBlockedData: **SPI for Exchange \ en \ Exchange 2007 / Exchange 2010 \ Manual Deploy Group \ Hub Transport Server \ Transport Agent**
- EXSPI-8X/14X-Dc-EdgeAgentLogBlockedData: **SPI for Exchange \ en \ Exchange 2007 / Exchange 2010 \ Manual Deploy Group \ Edge Server \ Transport Agent**

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

- Reason
- Agent

Reporter table : EX2007_BLOCKEDMAILS

(For Microsoft Exchange Server 2007) and EXSPI_BLOCKEDMAILS (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Top Reasons for Blocked Mails report.

Exchange 2007/2010 Mail Flow Latency / Server by Server

The Exchange 2007/2010 Mail Flow Latency / Server by Server represents the average latency time per day for various mailbox servers. The latency time periods are obtained from each mailbox server in the organization to every other mailbox server in the same organization. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Latency / Server by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** → **Exchange 2007 Mail Flow Latency / Server by Server** in the HPOM console..

Report Template File Name: g_Exchange 2007 Avg MailFlow Lat per Server by Server.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Latency / Server by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** → **Exchange 2010 Mail Flow Latency / Server by Server** in the HPOM console..

Report Template File Name: g_Exchange 2010 Avg MailFlow Lat per Server by Server.rpt

Report Content

This report shows a bar graph for each originating server with bars representing average latency time per day for each destination server.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange > en > Exchange 2007 / Exchange 2010 > Manual Deploy Groups > Mailbox Server > Mail Flow**

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

- Origin_Server
- Destin_Server
- Latency_Seconds

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Latency / Server by Server report.

Exchange 2007/2010 Mail Flow Latency / Site by Server

The Exchange 2007/2010 Mail Flow Latency / Site by Server represents the average latency time per day for various mailbox servers. The latency time periods are obtained from mailbox servers in the organization to every site in the organization. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Latency / Site by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** → **Exchange 2007 Mail Flow Latency / Site by Server** in the HPOM console.

Report Template File Name : g_Exchange 2007 Avg MailFlow Lat per Site by Server.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Latency / Site by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** → **Exchange 2010 Mail Flow Latency / Site by Server** in the HPOM console.

Report Template File Name : g_Exchange 2010 Avg MailFlow Lat per Site by Server.rpt

Report Content

This report shows a bar graph for each originating server with bars representing average latency time per day for each destination site.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange** → **en** → **Exchange 2007 / Exchange 2010** → **Manual Deploy Groups** → **Mailbox Server** → **Mail Flow**

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

- Origin_Server
- Destin_Site
- Latency_Seconds

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For

Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Latency / Site by Server report.

Exchange 2007/2010 Mail Flow Latency by Server / day

The Exchange 2007/2010 Mail Flow Latency by Server / day represents the latency time per day during various time periods. The latency time is represented for various mailbox servers in the organization. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Latency by Server / day** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** > **Exchange 2007 Mail Flow Latency by Server / day** in the HPOM console.

Report Template File Name: g_Exchange 2007 MailFlow Lat by Server per day.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Latency by Server / day** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** > **Exchange 2010 Mail Flow Latency by Server / day** in the HPOM console.

Report Template File Name: g_Exchange 2010 MailFlow Lat by Server per day.rpt

Report Content

This report shows a line graph for each originating server with lines connecting latency time periods collected every hour for a single day. Each destination server is represented by a separate line.

Other details of the report are:

Availability : Next day.

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange** > **en** > **Exchange 2007 / Exchange 2010** > **Manual Deploy Groups** > **Mailbox Server** > **Mail Flow**

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

- Origin_Server
- Destin_Server
- Latency_Seconds

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For

Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Latency by Server / day report.

Exchange 2007/2010 Mail Flow Success Percent by Server

The Exchange 2007/2010 Mail Flow Success Percent by Server shows the success percentage of mail flow per day to local mailbox server and remote mailbox servers. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Success Percent by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** → **Exchange 2007 Mail Flow Success Percent by Server** in the HPOM console.

Report Template File Name : g_Exchange 2007 MailFlow Success Percentage by Server.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Success Percent by Server** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** → **Exchange 2010 Mail Flow Success Percent by Server** in the HPOM console.

Report Template File Name : g_Exchange 2010 MailFlow Success Percentage by Server.rpt

Report Content

This report shows a line graph representing the percentage of mail flow success per day for each server over the past seven days. One line represents the local test success percentage and another line represents the remote server test success.

Other details of the report are:

Availability : Next week

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange** > **en** > **Exchange 2007 / Exchange 2010** > **Manual Deploy Groups** > **Mailbox Server** > **Mail Flow**

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

- Origin_Server
- Destin_Server
- Status

- IsRemoteTest

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Success Percent by Server report.

Exchange 2007/2010 Mail Flow Success Percent / Site

The Exchange 2007/2010 Mail Flow Success Percent / Site report shows the mail flow success percentage across various mailbox servers in each site. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Success Percent / Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** → **Exchange 2007 Mail Flow Success Percent / Site** in the HPOM console.

Report Template File Name : g_Exchange 2007 MailFlow Success Percent per Site.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Success Percent / Site** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** → **Exchange 2010 Mail Flow Success Percent / Site** in the HPOM console.

Report Template File Name : g_Exchange 2010 MailFlow Success Percent per Site.rpt

Report Content

This report shows a bar graph for each originating server representing the percentage of mail flow success per day to all the servers in the destination site. Individual bars in each bar graph represent the success percentage for each originating server to each destination site. One bar indicates the failure percentage to that destination site.

Other details of the report are:

Availability : Next day

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange** > **en** > **Exchange 2007 / Exchange 2010** > **Manual Deploy Groups** > **Mailbox Server** > **Mail Flow**

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

- Origin_Server
- Destin_Server
- Destin_Site
- Status

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For

Microsoft Exchange Server 2010)

Summarization : 0 seconds

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Success Percent / Site report.

Exchange 2007/2010 Mail Flow Latency by Server / Week

The Exchange 2007/2010 Mail Flow Latency by Server / Week report shows the average mail flow latency from each mailbox server in the organization to every other mailbox server in the same organization. The report displays the data for the last 7 days. This report shows data that is collected from various mailbox servers within the same organization.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Mail Flow Latency by Server / Week** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007** → **Mail Flow Latency** → **Exchange 2007 Mail Flow Latency by Server / Week** in the HPOM console.

Report Template File Name : g_Exchange 2007 Avg MailFlow Lat by Server per Week.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Mail Flow Latency by Server / Week** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010** → **Mail Flow Latency** → **Exchange 2010 Mail Flow Latency by Server / Week** in the HPOM console.

Report Template File Name : g_Exchange 2010 Avg MailFlow Lat by Server per Week.rpt

Report Content

This report shows a bar graph representing the average latency per day from an originating server to any destination server over the past 7 days.

Other details of the report are:

Availability : Next week

Required Policies : For this report to work properly, deploy the EXSPI-8X/14x Dc-GetMailFlowLatency policy.

Policy Schedule : Every 30 minutes

Policy Location : **SPI for Exchange** > **en** > **Exchange 2007 / Exchange 2010** > **Manual Deploy Groups** > **Mailbox Server** > **Mail Flow**

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

- Origin_Server
- Destin_Server
- Latency_Seconds

Reporter table : EX2007_MailFlowLatency (For Microsoft Exchange Server 2007) and EXSPI_MailFlowLatency (For

Microsoft Exchange Server 2010)

Summarization : 0 seconds.

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Exchange 2007/2010 Mail Flow Latency by Server / Week report.

Highest Growth Mailboxes

The Highest Growth Mailboxes report shows for each server, the top 20 mailboxes that have grown the highest in size (in MB) over the last 7 days. The mailboxes are displayed in an order such that the mailbox with highest growth is displayed on top and the one with lowest/no growth is displayed at the bottom.

To launch this reports,

For Microsoft Exchange Server 2007:

click **Reports** → **SPI for Exchange 2007** → **Exchange 2007 Highest Growth Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2007** → **SPI for Exchange 2007 > Mailbox Store** → **Exchange 2007 Highest Growth Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2007 Highest Growth Mailboxes.rpt

For Microsoft Exchange Server 2010:

click **Reports** → **SPI for Exchange 2010** → **Exchange 2010 Highest Growth Mailboxes** in the HP Reporter or click **Reports** → **Microsoft Exchange Server 2010** → **SPI for Exchange 2010 > Mailbox Store** → **Exchange 2010 Highest Growth Mailboxes** in the HPOM console.

Report Template File Name : g_Exchange 2010 Highest Growth Mailboxes.rpt

Report Sections

This report displays all mailboxes on the server along with the mailbox size growth and growth percentage. It contains the most recent information available as of the date indicated. Mailboxes are sorted in descending order by the growth size. The report is organized as a table with the following columns:

Column Name	Description
Mailbox Name	The name of the mailbox.
Growth Size (MB)	The difference in size of the mailbox(in MB) over the past 7 days.
Number of Messages	The difference in the number of messages in the mailbox over the past 7 days.
Percentage Growth	The percentage growth in the size of the mailbox over the past 7 days.

Other details of the report are:

Availability : Next week

Required policies: For this report to work properly, deploy the EXSPI-8X/14X Get Mailbox Details policy.

Location : This report is located in Manual Deploy Groups > Mailbox Server > Mailbox

Metrics : This report has the following metrics:

- MB_SIZE (MB)
- MB_MSGCOUNT: Number of Messages
- MB_LASTACCESS

Reporter table : EX2007_MBDETAIL (For Microsoft Exchange Server 2007) and EXSPI_MBDETAIL (For Microsoft Exchange Server 2010)

See Troubleshooting Microsoft Exchange SPI Reports for troubleshooting Highest Growth Mailboxes report.

Troubleshooting Microsoft Exchange SPI Reports

If any of the report is not being generated or if it is empty, perform the following tasks:

1. Check the Reporter database.

1. Check if the data is available in the Reporter database.
2. Check the Reporter database on the HP Reporter server.
3. Run the respective SQL command to see if data for a particular metric is being collected: **SELECT * <Reporter Table>** See the table below for the particular SQL command for each report.
4. If there is data in the Reporter database for every metric listed and the Reporter trace files do not reveal the cause of the problem, contact the HP Support Team.
5. If the data for some or all of the metrics are missing from the Reporter database, perform the next task.

2. Check the reporter package installation.

1. Make sure that the EXSPI Reporter package was installed on the HP Reporter server.
2. Check for errors in the Reporter Status pane.
3. If there are Reporter installation errors, report the problem.

3. Check the data store.

1. If there is no data in the Reporter database and the EXSPI Reporter package is installed properly, check that the data is being collected or logged on the managed node into the data store (CODA or HP Performance Agent).
2. If you are use CODA, run the `ovcodautl -dumpds EX2007_DATA CODA` or `ovcodautl -dumpds EXSPI_DATA CODA` diagnostic command on the managed node to get the last logged record on the managed node
3. If there is no data in the CODA database, check if the CODA agent is running. You can restart CODA on the managed node by running the `ovc -start -id 12` command.
4. Check that the acknowledged messages queue was acknowledged.
5. If you are using the HP Performance Agent, refer to the HP Performance Agent documentation.

4. Check if the policies have been deployed.

There will be no data unless the particular policy for each report is deployed. See Report, Report Table, Data Store, and Policy Mapping Details (for Microsoft Exchange 2007) or Report, Report Table, Data Store, and Policy Mapping Details (for Microsoft Exchange 2010) table to know the relevant policy for each report. Check on the managed node to ensure that the policy was deployed and is enabled by running the `opctemplate` command.

5. Check if the agent on the managed node is running.

1. Check that the HP Operations agent is running.
2. Run the `ovc -status` command on the managed node to get the status of the agent.
3. If the HP Operations agent is not running, restart with the `ovc -start` command.

For Microsoft Exchange 2007:

Report Name	SQL Command
Exchange 2007 Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Client Access Server Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Edge Transport Server Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Hub Transport Server Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Mailbox Server Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Unified Messaging Server Availability	SELECT * FROM EX2007_AVAILABILITY
Exchange 2007 Top 100 Mailboxes	SELECT * FROM EX2007_MBDETAIL
Exchange 2007 Public Folder Store Message Trends by Server	SELECT * FROM EX2007_PFPERF

Exchange 2007 IMAP4 Connections by Server	SELECT * FROM EX2007_IMAP4PERF
Exchange 2007 Users and Connections by Server	SELECT * FROM EX2007_ISPERF
Exchange 2007 Mailbox Store Msg Trends by Server	SELECT * FROM EX2007_MBPERF
Exchange 2007 POP3 Connections by Server	SELECT * FROM EX2007_POP3PERF
Exchange 2007 SMTP Receive Messaging Trends by Server	SELECT * FROM EX2007_SMTPRECV
Exchange 2007 Inactive Mailboxes by Server	SELECT * FROM EX2007_MBDETAIL
Exchange 2007 Mailbox Details by Server	SELECT * FROM EX2007_MBDETAIL
Exchange 2007 Top Senders	SELECT * FROM EX2007_SENDR
Exchange 2007 Top Senders Per AD Site	SELECT * FROM EX2007_SENDR
Exchange 2007 Top Outgoing E- mail	SELECT * FROM EX2007_DEST
Exchange 2007 Top Outgoing E- mail Per AD Site	SELECT * FROM EX2007_DEST

Exchange 2007 Mailbox Server Messages Sent	SELECT * FROM EX2007_SENDER
Exchange 2007 Mailbox Server Top 20 Sender Servers of Messages	SELECT * FROM EX2007_SENDER
Exchange 2007 Top Recipients Per AD Site	SELECT * FROM EX2007_RECP
Exchange 2007 Top Recipients	SELECT * FROM EX2007_RECP
Exchange Top Incoming E-mail	SELECT * FROM EX2007_SOURCE
Exchange 2007 Top Incoming E-mail Per AD Site	SELECT * FROM EX2007_SOURCE
Exchange 2007 Mailbox Server Top 20 Receiver Servers of Messages	SELECT * FROM EX2007_RECP
Exchange 2007 Mailbox Server Top 20 Receiver Servers of Largest Messages	SELECT * FROM EX2007_RECP
Exchange 2007 Mailbox Server Size of Messages Received	SELECT * FROM EX2007_RECP
Exchange 2007 Mailbox Store Msg Trends by Server	SELECT * FROM EX2007_MBPERF
Exchange 2007 Messages	SELECT * FROM EX2007_RECP

Received per Server by AD Site	
Exchange 2007 Mailbox Server Top 20 Sender Servers of Largest Messages	SELECT * FROM EX2007_SENDER
Exchange 2007 Mailbox Server Size of Messages Sent	SELECT * FROM EX2007_SENDER
Percentage of successful RPC client server operations between clients and Exchange 2007	SELECT * FROM EX2007_ISCLIENT
Exchange 2007 Spam Statistics	SELECT * FROM EX2007_SPAMSTATS
Exchange 2007 Top Blocked Recipients	SELECT * FROM EX2007_BLOCKEDRCPTS
Exchange 2007 Top Blocked Sender Domains	SELECT * FROM EX2007_BLOCKEDMAILS
Exchange 2007 Top Blocked Sender IP	SELECT * FROM EX2007_BLOCKEDMAILS
Exchange 2007 Top Blocked Senders	SELECT * FROM EX2007_BLOCKEDMAILS
Exchange 2007 Top Spammers	SELECT * FROM EX2007_BLOCKEDMAILS
Exchange 2007 Top Reasons for Blocked Mails	SELECT * FROM EX2007_BLOCKEDMAILS

Exchange 2007 Mail Flow Latency / Server by Server	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Mail Flow Latency / Site by Server	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Mail Flow Latency by Server / day	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Mail Flow Success Percent by Server	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Mail Flow Latency by Server / Week	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Mail Flow Success Percent / Site	SELECT * FROM EX2007_MailFlowLatency
Exchange 2007 Highest Growth Mailboxes	SELECT * FROM EX2007_MBDETAIL

For Microsoft Exchange 2010:

Report Name	SQL Command
Exchange 2010 Availability	SELECT * FROM EXSPI_AVAILABILITY
Exchange 2010 Client Access Server Availability	SELECT * FROM EXSPI_AVAILABILITY

Exchange 2010 Edge Transport Server Availability	SELECT * FROM EXSPI_AVAILABILITY
Exchange 2010 Hub Transport Server Availability	SELECT * FROM EXSPI_AVAILABILITY
Exchange 2010 Mailbox Server Availability	SELECT * FROM EXSPI_AVAILABILITY
Exchange 2010 Unified Messaging Server Availability	SELECT * FROM EXSPI_AVAILABILITY
Exchange 2010 Top 100 Mailboxes	SELECT * FROM EXSPI_MBDETAIL
Exchange 2010 Public Folder Store Message Trends by Server	SELECT * FROM EXSPI_PFPERF
Exchange 2010 IMAP4 Connections by Server	SELECT * FROM EXSPI_IMAP4PERF
Exchange 2010 Users and Connections by Server	SELECT * FROM EXSPI_ISPERF
Exchange 2010 Mailbox Store Msg Trends by Server	SELECT * FROM EXSPI_MBPERF
Exchange 2010 POP3 Connections by Server	SELECT * FROM EXSPI_POP3PERF

Exchange 2010 SMTP Receive Messaging Trends by Server	SELECT * FROM EXSPI_SMTPRECV
Exchange 2010 Inactive Mailboxes by Server	SELECT * FROM EXSPI_MBDETAIL
Exchange 2010 Mailbox Details by Server	SELECT * FROM EXSPI_MBDETAIL
Exchange 2010 Top Senders	SELECT * FROM EXSPI_SENDER
Exchange 2010 Top Senders Per AD Site	SELECT * FROM EXSPI_SENDER
Exchange 2010 Top Outgoing E-mail	SELECT * FROM EXSPI_DEST
Exchange 2010 Top Outgoing E-mail Per AD Site	SELECT * FROM EXSPI_DEST
Exchange 2010 Mailbox Server Messages Sent	SELECT * FROM EXSPI_SENDER
Exchange 2010 Mailbox Server Top 20 Sender Servers of Messages	SELECT * FROM EXSPI_SENDER
Exchange 2010 Top Recipients Per AD Site	SELECT * FROM EXSPI_RECIP
Exchange 2010 Top Recipients	SELECT * FROM EXSPI_RECIP
Exchange Top Incoming E-mail	SELECT * FROM EXSPI_SOURCE

Exchange 2010 Top Incoming E-mail Per AD Site	SELECT * FROM EXSPI_SOURCE
Exchange 2010 Mailbox Server Top 20 Receiver Servers of Messages	SELECT * FROM EXSPI_RECIP
Exchange 2010 Mailbox Server Top 20 Receiver Servers of Largest Messages	SELECT * FROM EXSPI_RECIP
Exchange 2010 Mailbox Server Size of Messages Received	SELECT * FROM EXSPI_RECIP
Exchange 2010 Mailbox Store Msg Trends by Server	SELECT * FROM EXSPI_MBPERF
Exchange 2010 Messages Received per Server by AD Site	SELECT * FROM EXSPI_RECIP
Exchange 2010 Mailbox Server Top 20 Sender Servers of Largest Messages	SELECT * FROM EXSPI_SENDER
Exchange 2010 Mailbox Server Size of Messages Sent	SELECT * FROM EXSPI_SENDER
Percentage of successful RPC client server operations	SELECT * FROM EXSPI_ISCLIENT

between clients and Exchange 2010	
Exchange 2010 Spam Statistics	SELECT * FROM EXSPI_SPAMSTATS
Exchange 2010 Top Blocked Recipients	SELECT * FROM EXSPI_BLOCKEDRCPTS
Exchange 2010 Top Blocked Sender Domains	SELECT * FROM EXSPI_BLOCKEDMAILS
Exchange 2010 Top Blocked Sender IP	SELECT * FROM EXSPI_BLOCKEDMAILS
Exchange 2010 Top Blocked Senders	SELECT * FROM EXSPI_BLOCKEDMAILS
Exchange 2010 Top Spammers	SELECT * FROM EXSPI_BLOCKEDMAILS
Exchange 2010 Top Reasons for Blocked Mails	SELECT * FROM EXSPI_BLOCKEDMAILS
Exchange 2010 Mail Flow Latency / Server by Server	SELECT * FROM EXSPI_MailFlowLatency
Exchange 2010 Mail Flow Latency / Site by Server	SELECT * FROM EXSPI_MailFlowLatency
Exchange 2010 Mail Flow Latency by Server / day	SELECT * FROM EXSPI_MailFlowLatency
Exchange 2010 Mail Flow Success Percent by Server	SELECT * FROM EXSPI_MailFlowLatency

Exchange 2010 Mail Flow Latency by Server / Week	SELECT * FROM EXSPI_MailFlowLatency
Exchange 2010 Mail Flow Success Percent / Site	SELECT * FROM EXSPI_MailFlowLatency
Exchange 2010 Highest Growth Mailboxes	SELECT * FROM EXSPI_MBDETAIL

Related Topics:

- Report, Report Table, Data Store, and Policy Mapping Details (for Microsoft Exchange 2007)
- Report, Report Table, Data Store, and Policy Mapping Details (for Microsoft Exchange 2010)

Troubleshooting Microsoft Exchange SPI Reports in Specific Events

If the Microsoft Exchange SPI reports fail to generate after performing the steps in Troubleshooting Microsoft Exchange SPI Reports , ensure the following related to the specific reports:

- *Exchange 2007/2010 Top 100 Mailboxes , Exchange 2007/2010 Inactive Mailboxes by Server , Exchange 2007/2010 Mailbox Details by Server , Exchange 2007/2010 Highest Growth Mailboxes* : If not running as Local System, check if the schedule task EXSPI-8X/14x Get Mailbox Details were updated to contain a domain user name and password with credentials that allow read access to Microsoft Exchange databases and the Microsoft Active Directory configuration partition.
- *Exchange 2007/2010 Public Folder Store Message Trends by Server , Exchange 2007/2010 POP3 Connections by Server , Exchange 2007/2010 SMTP Receive Messaging Trends by Server* :
 - Ensure that the correct policy has been deployed for the report. See Reports, Report Table, Data Store, and Policy Mapping to know the specific policy required for each report.
 - Check the perfmon object the report uses. See Reports, Report Table, Data Store, and Policy Mapping to know the performance objects used by the policies.
 - Check if the Microsoft's perfmon application is enabled on the node. If this object is not available, you must enable it.
- *Exchange 2007/2010 POP3 Connections by Server , Exchange 2007/2010 SMTP Receive Messaging Trends by Server* : Check if the SMTP server is running on the managed node. To do this:
 - Start Microsoft's services application and attach to the managed node.
 - Select the specific Microsoft Exchange service.
 - Verify that the service is running.

Related Topics:

- Report, Report Table, Data Store, and Policy Mapping Details

Report, Report Table, Data Store, and Policy Mapping Details (For Microsoft Exchange Server 2007)

The Microsoft Exchange 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 Source.

Data Store and Report Details

Report Name	Report Table	Report Table Attributes	Data Store Class Name	Policy Logging Data
g_Exchange 2007 Availability.rpt <i>Report Content:</i> Exchange 2007 Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	EX2007_AVAILABILITY	ID	EX2007_AVAILABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
g_Exchange 2007 Client Access Server Availability.rpt <i>Report Content:</i> Exchange 2007 Client Access Server Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	EX2007_AVAILABILITY	ID	EX2007_AVAILABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
g_Exchange 2007 Edge Transport	EX2007_AVAIL	ID	EX2007_AVAIL	EXSPI-8X Get

Server Availability.rpt <i>Report Content:</i> Exchange 2007 Edge Transport Server Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	ABILITY	SYSTEMNAME	ABILITY	Exchange Availability
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILITY		
g_Exchange 2007 Hub Transport Server Availability.rpt <i>Report Content:</i> Exchange 2007 Hub Transport Server Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	EX2007_AVAIL ABILITY	ID	EX2007_AVAIL ABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
AVAILABILITY				
g_Exchange 2007 Mailbox Server Availability.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	EX2007_AVAIL ABILITY	ID	EX2007_AVAIL ABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
AVAILABILITY				
g_Exchange 2007 Unified	EX2007_AVAIL	ID	EX2007_AVAIL	EXSPI-8X Get

Messaging Server Availability.rpt <i>Report Content:</i> Exchange 2007 Unified Messaging Server Availability <i>Spec File:</i> EX2007_AVAILABILITY.spec	ABILITY	SYSTEMNAME	ABILITY	Exchange Availability
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILITY		
g_Exchange 2007 Top Mailboxes.rpt <i>Report Content:</i> Exchange 2007 Top 100 Mailboxes <i>Spec File:</i> EX2007_MBDetail.spec	EX2007_MBDetail	ID	EX2007_MBDETAIL	EXSPI-8X Get Mailbox Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MB_LASTACCESS		
		MB_DISCONNECT		
		MB_DELCOUNT		
MB_DELSIZE				
MB_STGLIMIT				
g_Exchange 2007 Public Folder	EX2007PF	ID	EX2007_PF	EXSPI-8X Dc-

<p>Store Msg Trends.rpt</p> <p><i>Report Content:</i> Exchange 2007 Public Folder Store Message Trends by Server</p> <p><i>Spec File:</i> EX2007_PFPERF.spec</p>	PERF	SYSTEMNAME	PERF	IS Public Folder Performance
		DATETIME		
		GMT		
		SHIFTNAME		
		INSTANCE_NAME		
		SERVER_NAME		
		PFDELIVERYTIME		
		PFDELIVER		
		PFSENT		
		PFSUBMITTED		
		PFRECIPIENT		
		PFACTIVE LOGON		
		PFLOGON		
		PFLOGONPEAK		
		PFSIRATIO		
		<p>g_Exchange 2007 IMAP4 Connections.rpt</p> <p><i>Report Content:</i> Exchange 2007 IMAP4 Connections by Server</p> <p><i>Spec File:</i> EX2007_IMAP4PERF.spec</p>		
SYSTEMNAME				
DATETIME				
GMT				
SHIFTNAME				

		INSTANCE_NAME		
		SERVER_NAME		
		ADMINDISPLAY_NAME		
		IMAP4CON		
		IMAP4FAILEDCON		
		IMAP4REJECTEDCON		
g_Exchange 2007 IS Connections.rpt <i>Report Content:</i> Exchange 2007 Users and Connections by Server <i>Spec File:</i> EX2007_ISPERF.spec	EX2007_ISPERF	ID	EX2007_ISPERF	EXSPI-8X Dc-Information Store Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		ISUSERCNT		
		ISACTIVEUSERCNT		
		ISANONUSERCNT		
		ISACTIVEANONUSERCNT		
		ISCONNECTCNT		
		ISACTIVECONNECTCNT		
g_Exchange 2007 Mailbox Store Msg Trends.rpt <i>Report Content:</i> Exchange 2007 Mailbox Store Msg Trends by Server <i>Spec File:</i> EX2007_MBPERF.spec	EX2007_MBPERF	ID	EX2007_MBPERF	EXSPI-8X Dc-IS Mailbox Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		INSTANCE_NAME		

		SERVER_NAME		
		MBDELIVERY TIME		
		MBLOCAL DELIVER		
		MBDELIVER		
		MBSSENT		
		MBSUBMITTED		
		MBRECIPIENT		
		MBACTIVE LOGON		
		MBLOGON		
		MBLOGONPEAK		
		MBSIRATIO_		
		MBRECOVER ITEMS		
		MBRECOVER SIZE		
<p>g_Exchange 2007 POP3 Connections.rpt</p> <p><i>Report Content:</i> Exchange 2007 POP3 Connections by Server</p> <p><i>Spec File:</i> EX2007_POP3PERF.spec</p>	EX2007_POP3 PERF	ID	EX2007_POP3 PERF	EXSPI-8X Dc- POP3 Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		INSTANCE_NAME		
		SERVER_NAME		
		ADMINDISPLAY _NAME		
		POP3CON		
		POP3FAILEDCON		

		POP3 REJECTEDCON		
g_Exchange 2007 SMTP Receive Messaging Trends.rpt <i>Report Content:</i> Exchange 2007 SMTP Receive Messaging Trends by Server <i>Spec File:</i> EXSPI_SMTPPERF.spec	EXSPI_SMTP PERF	ID	EXSPI_SMTP PERF	EXSPI-8X Dc-SMTP Performance for Inbound Connections
		GROUPNAME		
		SYSTEMID		
		OWNER		
		OWNER_GUID		
g_Exchange 2007 Inactive Mailboxes.rpt <i>Report Content:</i> Exchange 2007 Inactive Mailboxes by Server <i>Spec File:</i> EX2007_MBDETAIL.spec	EX2007_MB DETAIL	ID	EX2007_MB DETAIL	EXSPI-8X Get Mailbox Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MS_LASTACCESS		
		MB_DISCONNECT		
		MB_DELCOUNT		
MB_DELSIZE				
MB_STGLIMIT				
g_Exchange 2007 Mailbox	EX2007_MB	ID	EX2007_MB	EXSPI-8X Get

<p>Details.rpt</p> <p><i>Report Content:</i> Exchange 2007 Mailbox Details by Server</p> <p><i>Spec File:</i> EX2007_MBDETAIL.spec</p>	<p>DETAIL</p>	<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>MB_IDENTITY</p> <p>MB_NAME</p> <p>MB_SVRNAME</p> <p>MB_SGNAME</p> <p>MB_DBNAME</p> <p>MB_SIZE</p> <p>MB_MSGCOUNT</p> <p>MB_LASTACCESS</p> <p>MB_DISCONNECT</p> <p>MB_DELCOUNT</p> <p>MB_DELSIZE</p> <p>MB_STGLIMIT</p>	<p>DETAIL</p>	<p>Mailbox Details</p>
<p>g_Exchange 2007 Top Senders.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Senders</p> <p><i>Spec File:</i> EX2007_SENDRER.spec</p>	<p>EX2007_SENDRER</p>	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p>	<p>EX2007_SENDRER</p>	<p>EXSPI-8X Dc-Get Top Sender Details</p>

		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2007 Top Senders Per ADSite.rpt <i>Report Content:</i> Exchange 2007 Top Senders Per AD Site <i>Spec File:</i> EX2007_SENDER.spec	EX2007_SENDER	ID	EX2007_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2007 Top Destinations.rpt <i>Report Content:</i> Exchange 2007 Top Outgoing E-mail <i>Spec File:</i> EX2007_DEST.spec	EX2007_DEST	ID	EX2007_DEST	EXSPI-8X Dc-Get Top Destination Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		DEST_ADDR		
		DOMAIN_NAME		
		DEST_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
		NUM_BYTES_DR		

		NUM_MSGS_DR		
g_Exchange 2007 Top Destinations.rpt <i>Report Content:</i> Exchange 2007 Top Outgoing E-mail Per AD Site <i>Spec File:</i> EX2007_DEST.spec	EX2007_DEST	ID	EX2007_DEST	EXSPI-8X Dc-Get Top Destination Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		DEST_ADDR		
		DOMAIN_NAME		
		DEST_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
		NUM_BYTES_DR		
		NUM_MSGS_DR		
g_exchange 2007 mailbox msg sent per AD Site.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Messages Sent <i>Spec File:</i> EX2007_SENDER.spec	EX2007_SENDER	ID	EX2007_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		

g_exchange 2007 Top 20 mailbox servers msg sent.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Top 20 Sender Servers of Messages <i>Spec File:</i> EX2007_SENDR.spec	EX2007_SENDR	ID	EX2007_SENDR	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2007 Top Recipients per AD Site.rpt <i>Report Content:</i> Exchange 2007 Top Recipients Per AD Site <i>Spec File:</i> EX2007_RECP.spec	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
		NUM_MSGS_RR		
g_Exchange 2007 Top	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-

<p>Recipients.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Recipients</p> <p><i>Spec File:</i> EX2007_RECP.spec</p>		SYSTEMNAME		Get Top Recipient Details
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
		NUM_MSGS_RR		
<p>g_Exchange Top Sources.rpt</p> <p><i>Report Content:</i> Exchange Top Incoming E-mail</p> <p><i>Spec File:</i> EX2007_SOURCE.spec</p>	EX2007_SOURCE	ID	EX2007_SOURCE	EXSPI-8X Dc-Get Top Source Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SOURCE_ADDR		
		DOMAIN_NAME		
		SOURCE_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
		NUM_BYTES_SRC		
NUM_MSGS_SRC				
g_Exchange 2007 Top Sources	EX2007_	ID	EX2007_	EXSPI-8X Dc-

Per AD Site.rpt <i>Report Content:</i> Exchange 2007 Top Incoming E-mail Per AD Site <i>Spec File:</i> EX2007_SOURCE.spec	SOURCE	SYSTEMNAME	SOURCE	Get Top Source Details
		DATETIME		
		GMT		
		SHIFTNAME		
		SOURCE_ADDR		
		DOMAIN_NAME		
		SOURCE_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
		NUM_BYTES_SRC		
		NUM_MSGS_SRS		
g_exchange 2007 Top 20 mailbox servers msg received.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Top 20 Receiver Servers of Messages <i>Spec File:</i> EX2007_RECP.spec	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc- Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
NUM_MSGS_RR				
g_exchange 2007 Top 20 mailbox	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-

servers msg size received.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Top 20 Receiver Servers of Largest Messages <i>Spec File:</i> EX2007_RECP.spec		SYSTEMNAME		Get Top Recipient Details
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
		NUM_MSGS_RR		
g_exchange 2007 mailbox msg size received per AD Site.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Size of Messages Received <i>Spec File:</i> EX2007_RECP.spec	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
NUM_MSGS_RR				
g_exchange 2007 mailbox msg	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-

<p>received per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2007 Messages Received per Server by AD Site</p> <p><i>Spec File:</i> EX2007_RECP.spec</p>		<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_RR</p> <p>NUM_MSGS_RR</p>		<p>Get Top Recipient Details</p>
<p>g_Exchange 2007 Mailbox Store Msg Trends.rpt</p> <p><i>Report Content:</i> Exchange 2007 Mailbox Store Msg Trends by Server</p> <p><i>Spec File:</i> EX2007_MBPERF.spec</p>	<p>EX2007_MB PERF</p>	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>INSTANCE_NAME</p> <p>SERVER_NAME</p> <p>MBDELIVERYTIME</p> <p>MBLOCALDELIVER</p> <p>MBDELIVER</p> <p>MBSSENT</p> <p>MBSUBMITTED</p> <p>MBRECIPIENT</p> <p>MBACTIVELOGON</p> <p>MBLOGON</p>	<p>EX2007_MB PERF</p>	<p>EXSPI-8X Dc- IS Mailbox Performance</p>

		MBLOGONPEAK		
		MBSIRATIO_		
		MBRECOVERITEMS		
		MBRECOVERSIZE		
<p>g_exchange 2007 mailbox msg received per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2007 Messages Received per Server by AD Site</p> <p><i>Spec File:</i> EX2007_RECP.spec</p>	EX2007_RECP	ID	EX2007_RECP	EXSPI-8X Dc-Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
		NUM_MSGS_RR		
<p>g_exchange 2007 Top 20 mailbox servers msg size sent.rpt</p> <p><i>Report Content:</i> Exchange 2007 Mailbox Server Top 20 Sender Servers of Largest Messages</p> <p><i>Spec File:</i> EX2007_SENDER.spec</p>	EX2007_SENDER	ID	EX2007_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		

		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_exchange 2007 mailbox msg size sent per AD Site.rpt <i>Report Content:</i> Exchange 2007 Mailbox Server Size of Messages Sent <i>Spec File:</i> EX2007_SENDR.spec	EX2007_SENDR	ID	EX2007_SENDR	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2007 Percentage Successful RPC Operations.rpt <i>Report Content:</i> Percentage of successful RPC client server operations between clients and Exchange 2007 <i>Spec File:</i> EX2007_ISCLIENT.spec	EX2007_ISCLIENT	ID	EX2007_ISCLIENT	EXSPI-8X Dc-Outlook Client
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		ISCLATENCY10		
		ISCLATENCY5		
		ISCLATENCY2		
		ISRPCATTEMPT		
		ISRPCSUCCEED		
		ISRPCFAIL		

		ISRPCFUNAV		
		ISRPCFBUSY		
		ISRPCFCANCEL		
		ISRPCFCALLFAIL		
		ISRPCF ACCESSDENY		
		ISRPCFOTHER		
<p>g_SPAMStatistics.rpt</p> <p><i>Report Content:</i> Exchange 2007 Spam Statistics</p> <p><i>Spec File:</i> EX2007_SPAMSTATS.spec</p>	EX2007_SPAM STATS	ID	EX2007_SPAM STATS	EXSPI-8X-Dc-EdgeMonitor SPAMStatistics and EXSPI-8X-Dc-HubMonitor SPAMStatistics
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		INSTANCE		
		DELETED		
		QUARANTINED		
		REJECTED		
<p>g_TopBlockedRecipients.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Blocked Recipients</p> <p><i>Spec File:</i> EX2007_BLOCKEDRCPTS.spec</p>	EX2007_ BLOCKED RCPTS	ID	EX2007_ BLOCKED RCPTS	EXSPI-8X-Dc-EdgeAgentLog BlockedRcpts and EXSPI-8X-Dc-HubAgentLog BlockedRcpts
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		RECIPIENT ADDRESS		
		AGENT		

		REASON		
		REASONDATA		
		ISHUB TRANSPORT SERVER		
g_TopBlockedSenderDomains.rpt <i>Report Content:</i> Exchange 2007 Top Blocked Sender Domains <i>Spec File:</i> EX2007_BLOCKEDMAILS.spec	EX2007_ BLOCKED MAILS	ID	EX2007_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
ISHUB TRANSPORT SERVER				
REMOTEENDPOINT				
g_TopBlockedSenderIP.rpt <i>Report Content:</i> Exchange 2007 Top Blocked Sender IP <i>Spec File:</i> EX2007_BLOCKEDMAILS.spec	EX2007_ BLOCKED MAILS	ID	EX2007_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		

		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
		ISHUB TRANSPORT SERVER		
		REMOTEENDPOINT		
<p>g_TopBlockedSenders.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Blocked Senders</p> <p><i>Spec File:</i> EX2007_BLOCKEDMAILS.spec</p>	EX2007_ BLOCKED MAILS	ID	EX2007_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
AGENT				

		ISHUB TRANSPORT SERVER		
		REMOTEENDPOINT		
<p>g_TopSpammers.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Spammers</p> <p><i>Spec File:</i> EX2007_BLOCKEDMAILS.spec</p>	EX2007_ BLOCKED MAILS	ID	EX2007_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
		ISHUB TRANSPORT SERVER		
REMOTEENDPOINT				
<p>g_TopReasonsBlockedMails.rpt</p> <p><i>Report Content:</i> Exchange 2007 Top Reasons for Blocked Mails</p> <p><i>Spec File:</i> EX2007_BLOCKEDMAILS.spec</p>	EX2007_ BLOCKED MAILS	ID	EX2007_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		

		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
		ISHUB TRANSPORT SERVER		
		REMOTE ENDPOINT		
EX2007_MAILFLOWLATENCY	EX2007_MAIL FLOW LATENCY	ID	EX2007_MAIL FLOW LATENCY	EXSPI-8XDc- GetMailFlow Latency
<i>Report Content:</i> EX2007_MailFlowLatency		SYSTEMNAME		
<i>Spec File:</i> EX2007_MailFlowLatency.spec		DATETIME		
		GMT		
		SHIFTNAME		
		ORIGIN_SERVER		
		ORIGIN_SITE		
		DESTIN_SERVER		
		DESTIN_SITE		
		LATENCY _SECONDS		
		STATUS		
		ISREMOTETEST		
g_Exchange 2007 Top	EX2007_MB	ID	EX2007_MB	EXSPI-8X Get

Mailboxes.rpt	DETAIL	SYSTEMNAME	DETAIL	Mailbox Details
<i>Report Content:</i> Exchange 2007 Top 100 Mailboxes <i>Spec File:</i> EX2007_MBDETAIL.spec		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MB_LASTACCESS		
		MB_DISCONNECT		
		MB_DELCOUNT		
		MB_DELSIZE		
		MB_STGLIMIT		

Report, Report Table, Data Store, and Policy Mapping Details (For Microsoft Exchange Server 2010)

The Microsoft Exchange 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 Source.

Data Store and Report Details

Report Name	Report Table	Report Table Attributes	Data Store Class Name	Policy Logging Data
g_Exchange 2010 Availability.rpt <i>Report Content:</i> Exchange 2010 Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	EXSPI_AVAILABILITY	ID	EXSPI_AVAILABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILITY		
g_Exchange 2010 Client Access Server Availability.rpt <i>Report Content:</i> Exchange 2010 Client Access Server Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	EXSPI_AVAILABILITY	ID	EXSPI_AVAILABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILITY		
g_Exchange 2010 Edge Transport	EXSPI_AVAIL	ID	EXSPI_AVAIL	EXSPI-8X Get

Server Availability.rpt <i>Report Content:</i> Exchange 2010 Edge Transport Server Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	ABILITY	SYSTEMNAME	ABILITY	Exchange Availability
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILITY		
g_Exchange 2010 Hub Transport Server Availability.rpt <i>Report Content:</i> Exchange 2010 Hub Transport Server Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	EXSPI_AVAIL ABILITY	ID	EXSPI_AVAIL ABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
AVAILABILITY				
g_Exchange 2010 Mailbox Server Availability.rpt <i>Report Content:</i> Exchange 2010 Mailbox Server Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	EXSPI_AVAIL ABILITY	ID	EXSPI_AVAIL ABILITY	EXSPI-8X Get Exchange Availability
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
AVAILABILITY				
g_Exchange 2010 Unified	EXSPI_AVAIL	ID	EXSPI_AVAIL	EXSPI-8X Get

Messaging Server Availability.rpt <i>Report Content:</i> Exchange 2010 Unified Messaging Server Availability <i>Spec File:</i> EXSPI_AVAILABILITY.spec	ABILITY	SYSTEMNAME	ABILITY	Exchange Availability
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SERVER_ROLE		
		AVAILABILY		
g_Exchange 2010 Top Mailboxes.rpt <i>Report Content:</i> Exchange 2010 Top 100 Mailboxes <i>Spec File:</i> EXSPI_MBDETAIL.spec	EXSPI_MBDETAIL	ID	EXSPI_MBDETAIL	EXSPI-8X Get Mailbox Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MB_LAST ACCESS		
		MB_DIS CONNECT		
MB_DELCOUNT				
MB_DELSIZE				
MB_STGLIMIT				
g_Exchange 2010 Public Folder	EX2010PF	ID	EXSPI_PF	EXSPI-8X Dc-IS

Store Msg Trends.rpt <i>Report Content:</i> Exchange 2010 Public Folder Store Message Trends by Server <i>Spec File:</i> EXSPI_PFPERF.spec	PERF	SYSTEMNAME	PERF	Public Folder Performance
		DATETIME		
		GMT		
		SHIFTNAME		
		INSTANCE_ NAME		
		SERVER_ NAME		
		PFDELIVERYTIME		
		PFDELIVER		
		PFSSENT		
		PFSUBMITTED		
		PFRECIPIENT		
		PFACTIVELOGON		
		PFLOGON		
		PFLOGONPEAK		
		PFSIRATIO		
		PFRECOVER ITEMS		
		PFRECOVER SIZE		
PFREPRCVD				
PFREPRESENT				
PFREPQ				
g_Exchange 2010 IMAP4 Connections.rpt <i>Report Content:</i> Exchange 2010 IMAP4 Connections by Server <i>Spec File:</i> EXSPI_IMAP4PERF.spec	EXSPI_IMAP4 PERF	ID	EXSPI_IMAP4 PERF	EXSPI-8X Dc- IMAP4 Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		

		INSTANCE_NAME		
		SERVER_NAME		
		ADMINDISPLAY_NAME		
		IMAP4CON		
		IMAP4FAILEDCON		
		IMAP4REJECTEDCON		
<p>g_Exchange 2010 IS Connections.rpt</p> <p><i>Report Content:</i> Exchange 2010 Users and Connections by Server</p> <p><i>Spec File:</i> EXSPI_ISPERF.spec</p>	EXSPI_ISPERF	ID	EXSPI_ISPERF	EXSPI-8X Dc-Information Store Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		ISUSERCNT		
		ISACTIVEUSERCNT		
		ISANONUSERCNT		
		ISACTIVEANONUSERCNT		
		ISCONNECTCNT		
ISACTIVECONNECTCNT				
<p>g_Exchange 2010 Mailbox Store Msg Trends.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Store Msg Trends by Server</p> <p><i>Spec File:</i> EXSPI_MBPERF.spec</p>	EXSPI_MBPERF	ID	EXSPI_MBPERF	EXSPI-8X Dc-IS Mailbox Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		

		INSTANCE_NAME		
		SERVER_NAME		
		MBDELIVERYTIME		
		MBLOCALDELIVER		
		MBDELIVER		
		MBSSENT		
		MBSUBMITTED		
		MBRECIPIENT		
		MBACTIVELOGON		
		MBLOGON		
		MBLOGONPEAK		
		MBSIRATIO_		
		MBRECOVERITEMS		
		MBRECOVERSIZE		
<p>g_Exchange 2010 POP3 Connections.rpt</p> <p><i>Report Content:</i> Exchange 2010 POP3 Connections by Server</p> <p><i>Spec File:</i> EXSPI_POP3PERF.spec</p>	EXSPI_POP3 PERF	ID	EXSPI_POP3 PERF	EXSPI-8X Dc-POP3 Performance
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		INSTANCE_NAME		
		SERVER_NAME		
		ADMINDISPLAY_NAME		
		POP3CON		
		POP3FAILEDCON		
POP3REJECTED CON				
g_Exchange 2010 SMTP Receive	EXSPI_SMTP	ID	EXSPI_SMTP	EXSPI-8X Dc-

Messaging Trends.rpt <i>Report Content:</i> Exchange 2010 SMTP Receive Messaging Trends by Server <i>Spec File:</i> EXSPI_SMTPPERF.spec	PERF	GROUPNAME	PERF	SMTP Performance for Inbound Connections
		SYSTEMID		
		OWNER		
		OWNER_GUID		
g_Exchange 2010 Inactive Mailboxes.rpt <i>Report Content:</i> Exchange 2010 Inactive Mailboxes by Server <i>Spec File:</i> EXSPI_MBDETAIL.spec	EXSPI_MB DETAIL	ID	EXSPI_MB DETAIL	EXSPI-8X Get Mailbox Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MS_LASTACCESS		
		MB_DISCONNECT		
MB_DELCOUNT				
MB_DELSIZE				
MB_STGLIMIT				
g_Exchange 2010 Mailbox Details.rpt <i>Report Content:</i> Exchange 2010 Mailbox Details by Server <i>Spec File:</i> EXSPI_MBDETAIL.spec	EXSPI_MB DETAIL	ID	EXSPI_MB DETAIL	EXSPI-8X Get Mailbox Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		

		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		
		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MB_LASTACCESS		
		MB_DISCONNECT		
		MB_DELCOUNT		
		MB_DELSIZE		
		MB_STGLIMIT		
<p>g_Exchange 2010 Top Senders.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Senders</p> <p><i>Spec File:</i> EXSPI_SENDER.spec</p>	EXSPI_SENDER	ID	EXSPI_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2010 Top Senders	EXSPI_	ID	EXSPI_	EXSPI-8X Dc-

<p>Per ADSite.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Senders Per AD Site</p> <p><i>Spec File:</i> EXSPI_SENDER.spec</p>	SENDER	SYSTEMNAME	SENDER	Get Top Sender Details
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
NUM_MSGS_SR				
<p>g_Exchange 2010 Top Destinations.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Outgoing E-mail</p> <p><i>Spec File:</i> EXSPI_DEST.spec</p>	EXSPI_DEST	ID	EXSPI_DEST	EXSPI-8X Dc- Get Top Destination Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		DEST_ADDR		
		DOMAIN_NAME		
		DEST_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
NUM_BYTES_DR				
NUM_MSGS_DR				
g_Exchange 2010 Top	EXSPI_DEST	ID	EXSPI_DEST	EXSPI-8X Dc-

<p>Destinations.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Outgoing E-mail Per AD Site</p> <p><i>Spec File:</i> EXSPI_DEST.spec</p>		<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>DEST_ADDR</p> <p>DOMAIN_NAME</p> <p>DEST_KEY</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>IS_INTERNAL</p> <p>NUM_BYTES_DR</p> <p>NUM_MSGS_DR</p>		<p>Get Top Destination Details</p>
<p>g_exchange 2010 mailbox msg sent per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Server Messages Sent</p> <p><i>Spec File:</i> EXSPI_SENDER.spec</p>	EXSPI_SENDER	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_SR</p> <p>NUM_MSGS_SR</p>	EXSPI_SENDER	<p>EXSPI-8X Dc- Get Top Sender Details</p>
<p>g_exchange 2010 Top 20 mailbox</p>	EXSPI_	<p>ID</p>	EXSPI_	<p>EXSPI-8X Dc-</p>

<p>servers msg sent.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Server Top 20 Sender Servers of Messages</p> <p><i>Spec File:</i> EXSPI_SENDER.spec</p>	SENDER	SYSTEMNAME DATETIME GMT SHIFTNAME SERVER_NAME ADSITE_NAME SG_NAME STORE_NAME MBOX_NAME EMAIL_ADDR NUM_BYTES_SR NUM_MSGS_SR	SENDER	Get Top Sender Details
<p>g_Exchange 2010 Top Recipients per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Recipients Per AD Site</p> <p><i>Spec File:</i> EXSPI_RECP.spec</p>	EXSPI_RECP	ID SYSTEMNAME DATETIME GMT SHIFTNAME SERVER_NAME ADSITE_NAME SG_NAME STORE_NAME MBOX_NAME EMAIL_ADDR NUM_BYTES_RR NUM_MSGS_RR	EXSPI_RECP	EXSPI-8X Dc- Get Top Recipient Details
<p>g_Exchange 2010 Top</p>	EXSPI_RECP	ID	EXSPI_RECP	EXSPI-8X Dc-

<p>Recipients.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Recipients</p> <p><i>Spec File:</i> EXSPI_RECP.spec</p>		<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_RR</p> <p>NUM_MSGS_RR</p>		<p>Get Top Recipient Details</p>
<p>g_Exchange Top Sources.rpt</p> <p><i>Report Content:</i> Exchange Top Incoming E-mail</p> <p><i>Spec File:</i> EXSPI_SOURCE.spec</p>	<p>EXSPI_SOURCE</p>	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SOURCE_ADDR</p> <p>DOMAIN_NAME</p> <p>SOURCE_KEY</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>IS_INTERNAL</p> <p>NUM_BYTES_SRC</p> <p>NUM_MSGS_SRC</p>	<p>EXSPI_SOURCE</p>	<p>EXSPI-8X Dc-Get Top Source Details</p>
<p>g_Exchange 2010 Top Sources</p>	<p>EXSPI_</p>	<p>ID</p>	<p>EXSPI_</p>	<p>EXSPI-8X Dc-</p>

Per AD Site.rpt <i>Report Content:</i> Exchange 2010 Top Incoming E-mail Per AD Site <i>Spec File:</i> EXSPI_SOURCE.spec	SOURCE	SYSTEMNAME	SOURCE	Get Top Source Details
		DATETIME		
		GMT		
		SHIFTNAME		
		SOURCE_ADDR		
		DOMAIN_NAME		
		SOURCE_KEY		
		SERVER_NAME		
		ADSITE_NAME		
		IS_INTERNAL		
		NUM_BYTES_SRC		
		NUM_MSGS_SRS		
g_exchange 2010 Top 20 mailbox servers msg received.rpt <i>Report Content:</i> Exchange 2010 Mailbox Server Top 20 Receiver Servers of Messages <i>Spec File:</i> EXSPI_RECIP.spec	EXSPI_RECIP	ID	EXSPI_RECIP	EXSPI-8X Dc- Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
NUM_MSGS_RR				
g_exchange 2010 Top 20 mailbox	EXSPI_RECIP	ID	EXSPI_RECIP	EXSPI-8X Dc-

<p>servers msg size received.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Server Top 20 Receiver Servers of Largest Messages</p> <p><i>Spec File:</i> EXSPI_RECP.spec</p>		<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_RR</p> <p>NUM_MSGS_RR</p>		<p>Get Top Recipient Details</p>
<p>g_exchange 2010 mailbox msg size received per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Server Size of Messages Received</p> <p><i>Spec File:</i> EXSPI_RECP.spec</p>	EXSPI_RECP	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_RR</p> <p>NUM_MSGS_RR</p>	EXSPI_RECP	<p>EXSPI-8X Dc-Get Top Recipient Details</p>
<p>g_exchange 2010 mailbox msg</p>	EXSPI_RECP	<p>ID</p>	EXSPI_RECP	<p>EXSPI-8X Dc-</p>

<p>received per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2010 Messages Received per Server by AD Site</p> <p><i>Spec File:</i> EXSPI_RECP.spec</p>		<p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>SERVER_NAME</p> <p>ADSITE_NAME</p> <p>SG_NAME</p> <p>STORE_NAME</p> <p>MBOX_NAME</p> <p>EMAIL_ADDR</p> <p>NUM_BYTES_RR</p> <p>NUM_MSGS_RR</p>		<p>Get Top Recipient Details</p>
<p>g_Exchange 2010 Mailbox Store Msg Trends.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Store Msg Trends by Server</p> <p><i>Spec File:</i> EXSPI_MBPERF.spec</p>	<p>EXSPI_MB PERF</p>	<p>ID</p> <p>SYSTEMNAME</p> <p>DATETIME</p> <p>GMT</p> <p>SHIFTNAME</p> <p>INSTANCE_NAME</p> <p>SERVER_NAME</p> <p>MBDELIVERYTIME</p> <p>MBLOCALDELIVER</p> <p>MBDELIVER</p> <p>MBSENT</p> <p>MBSUBMITTED</p> <p>MBRECIPIENT</p> <p>MBACTIVELOGON</p> <p>MBLOGON</p>	<p>EXSPI_MB PERF</p>	<p>EXSPI-8X Dc- IS Mailbox Performance</p>

		MBLOGONPEAK		
		MBSIRATIO_		
		MBRECOVER ITEMS		
		MBRECOVER SIZE		
<p>g_exchange 2010 mailbox msg received per AD Site.rpt</p> <p><i>Report Content:</i> Exchange 2010 Messages Received per Server by AD Site</p> <p><i>Spec File:</i> EXSPI_RECIP.spec</p>	EXSPI_RECIP	ID	EXSPI_RECIP	EXSPI-8X Dc-Get Top Recipient Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_RR		
NUM_MSGS_RR				
<p>g_exchange 2010 Top 20 mailbox servers msg size sent.rpt</p> <p><i>Report Content:</i> Exchange 2010 Mailbox Server Top 20 Sender Servers of Largest Messages</p> <p><i>Spec File:</i> EXSPI_SENDER.spec</p>	EXSPI_SENDER	ID	EXSPI_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		

		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_exchange 2010 mailbox msg size sent per AD Site.rpt <i>Report Content:</i> Exchange 2010 Mailbox Server Size of Messages Sent <i>Spec File:</i> EXSPI_SENDER.spec	EXSPI_SENDER	ID	EXSPI_SENDER	EXSPI-8X Dc-Get Top Sender Details
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		SERVER_NAME		
		ADSITE_NAME		
		SG_NAME		
		STORE_NAME		
		MBOX_NAME		
		EMAIL_ADDR		
		NUM_BYTES_SR		
		NUM_MSGS_SR		
g_Exchange 2010 Percentage Successful RPC Operations.rpt <i>Report Content:</i> Percentage of successful RPC client server operations between clients and Exchange 2010 <i>Spec File:</i> EXSPI_ISCLIENT.spec	EXSPI_ISCLIENT	ID	EXSPI_ISCLIENT	EXSPI-8X Dc-Outlook Client
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		ISCLATENCY10		
		ISCLATENCY5		
		ISCLATENCY2		
		ISRPCATTEMPT		
		ISRPCSUCCEED		

		ISRPCFAIL		
		ISRPCFUNAV		
		ISRPCFBUSY		
		ISRPCFCANCEL		
		ISRPCFCALLFAIL		
		ISRPCFACCESS DENY		
		ISRPCFOTHER		
<p>g_SPAMStatistics.rpt</p> <p><i>Report Content:</i> Exchange 2010 Spam Statistics</p> <p><i>Spec File:</i> EXSPI_SPAMSTATS.spec</p>	EXSPI_SPAM STATS	ID	EXSPI_SPAM STATS	EXSPI-8X-Dc-EdgeMonitor SPAMStatistics and EXSPI-8X-Dc-HubMonitor SPAMStatistics
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		INSTANCE		
		DELETED		
		QUARANTINED		
REJECTED				
<p>g_TopBlockedRecipients.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Blocked Recipients</p> <p><i>Spec File:</i> EXSPI_BLOCKEDRCPTS.spec</p>	EXSPI_BLOCKED RCPTS	ID	EXSPI_BLOCKED RCPTS	EXSPI-8X-Dc-EdgeAgentLog BlockedRcpts and EXSPI-8X-Dc-HubAgentLog BlockedRcpts
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		RECIPIENTADDRESS		

		AGENT		
		REASON		
		REASONDATA		
		ISHUBTRANSPORT SERVER		
<p>g_TopBlockedSenderDomains.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Blocked Sender Domains</p> <p><i>Spec File:</i> EXSPI_BLOCKEDMAILS.spec</p>	EXSPI_ BLOCKED MAILS	ID	EXSPI_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
ISHUBTRANSPORT SERVER				
REMOTEENDPOINT				
<p>g_TopBlockedSenderIP.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Blocked Sender IP</p> <p><i>Spec File:</i> EXSPI_BLOCKEDMAILS.spec</p>	EXSPI_ BLOCKED MAILS	ID	EXSPI_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		

		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
		ISHUBTRANSPORT SERVER		
		REMOTEENDPOINT		
<p>g_TopBlockedSenders.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Blocked Senders</p> <p><i>Spec File:</i> EXSPI_BLOCKEDMAILS.spec</p>	EXSPI_ BLOCKED MAILS	ID	EXSPI_ BLOCKED MAILS	EXSPI-8X-Dc- EdgeAgentLog BlockedData and EXSPI-8X-Dc- HubAgentLog BlockedData
		SYSTEMNAME		
		DATETIME		
		GMT		
		SHIFTNAME		
		TIMESTAMP		
		SERVER_NAME		
		IPADDRESS		
		SENDERADDRESS		
		ACTION		
		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
ISHUBTRANSPORT SERVER				
REMOTEENDPOINT				

<p>g_TopSpammers.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Spammers</p> <p><i>Spec File:</i> EXSPI_BLOCKEDMAILS.spec</p>	EXSPI_BLOCKEDMAILS	ID SYSTEMNAME DATETIME GMT SHIFTNAME TIMESTAMP SERVER_NAME IPADDRESS SENDERADDRESS ACTION REASON REASONDATA DOMAIN AGENT ISHUBTRANSPORTSERVER REMOTEENDPOINT	EXSPI_BLOCKEDMAILS	EXSPI-8X-Dc-EdgeAgentLog BlockedData and EXSPI-8X-Dc-HubAgentLog BlockedData
<p>g_TopReasonsBlockedMails.rpt</p> <p><i>Report Content:</i> Exchange 2010 Top Reasons for Blocked Mails</p> <p><i>Spec File:</i> EXSPI_BLOCKEDMAILS.spec</p>	EXSPI_BLOCKEDMAILS	ID SYSTEMNAME DATETIME GMT SHIFTNAME TIMESTAMP SERVER_NAME IPADDRESS SENDERADDRESS ACTION	EXSPI_BLOCKEDMAILS	EXSPI-8X-Dc-EdgeAgentLog BlockedData and EXSPI-8X-Dc-HubAgentLog BlockedData

		REASON		
		REASONDATA		
		DOMAIN		
		AGENT		
		ISHUBTRANSPORT SERVER		
		REMOTEENDPOINT		
EXSPI_MAILFLOWLATENCY	EXSPI_MAILFLOW LATENCY	ID	EXSPI_MAIL FLOW LATENCY	EXSPI-8XDc- Get MailFlowLatency
<i>Report Content:</i> EXSPI_MailFlowLatency		SYSTEMNAME		
<i>Spec File:</i> EXSPI_MailFlowLatency.spec		DATETIME		
		GMT		
		SHIFTNAME		
		ORIGIN_SERVER		
		ORIGIN_SITE		
		DESTIN_SERVER		
		DESTIN_SITE		
		LATENCY_SECONDS		
		STATUS		
		ISREMOTETEST		
g_Exchange 2010 Top Mailboxes.rpt	EXSPI_MB DETAIL	ID	EXSPI_MB DETAIL	EXSPI-8X Get Mailbox Details
<i>Report Content:</i> Exchange 2010 Top 100 Mailboxes		SYSTEMNAME		
<i>Spec File:</i> EXSPI_MBDETAIL.spec		DATETIME		
		GMT		
		SHIFTNAME		
		MB_IDENTITY		
		MB_NAME		
		MB_SVRNAME		

		MB_SGNAME		
		MB_DBNAME		
		MB_SIZE		
		MB_MSGCOUNT		
		MB_LASTACCESS		
		MB_DISCONNECT		
		MB_DELCOUNT		
		MB_DELSIZE		
		MB_STGLIMIT		

Using Graphs

The Microsoft Exchange SPI consists of an array of pre-configured graphs. If you want to access graphs from the HPOM console, you must install HP Performance Manager on the HPOM management server. In the console tree, open **Graphs → SPI for Exchange 2007/SPI for Exchange 2010** .

Displaying a Graph

To display a graph:

1. In the console tree, open the folders **Graphs → SPI for Exchange 2007/SPI for Exchange 2010** .
2. Double-click a graph from the list in the details pane.
3. In the **Display graph** dialog, select the required Microsoft Exchange servers and the date range you want for the graph.
4. If desired, check **Periodically update data in graph** , and click **Finish** .
5. The graph displays in the web interface.

The policies that enable data collection for these graphs are all deployed automatically.

The Microsoft Exchange SPI has the following folders where the graphs are located:

- Client Access
- Information Store
- Mailbox Store
- Public Folder Store
- Transport Server Role

Client Access

The Client Access folder has the following graphs:

- **Outlook Client Failures**

The Outlook Client Failures graph shows the percentage of RPCs failed in different categories. Run this graph only on the nodes with the Mailbox Server role.

This graph uses the data collected by the EXSPI-8X Dc-Outlook Client policy. In the data store of the node, the EX2007_ISCLIENT table is used to construct this graph.

- **IMAP4 Connections**

The IMAP4 Connections graph shows the IMAP4 connection activity.

This graph uses the data collected by the EXSPI-8X Dc- IMAP4 Performance policy. In the data store of the node, the EX2007_IMAP4PERF table is used to construct this graph.

- **MAPI RPC Performance**

The MAPI RPC Performance graph shows metrics of information store RPC requests and RPC operations rate (operations/sec). Run this graph only on the nodes with the Mailbox Server role.

This graph uses the data collected by the EXSPI-8X Dc Information Store Performance policy. In the data store of the node, the EX2007_ISPERF table is used to construct this graph.

- **MAPI RPC Latency Levels**

The MAPI RPC Latency graph shows the number of successful RPCs with different Outlook client latency levels. This graph displays three different levels of latency: RPC Latency > 10, RPC Latency > 5, and RPC Latency > 2. Run this graph only on the nodes with the Mailbox Server role.

This graph uses the data collected by the EXSPI-8X Dc-Outlook Client policy. In the data store of the node, the EX2007_ISCLIENT table is used to construct this graph.

- **POP3 Connections**

The POP3 Connections graph shows the POP3 connection activity. The graph displays POP3 connection, failed POP3 connections, and rejected POP3 connections for a server with the help of three line graphs.

This graph uses the data collected by the EXSPI-8X Dc-POP3 Performance policy. In the data store of the node, the EX2007_POP3PERF table is used to construct this graph.

- **POP3 Performance**

The POP3 Performance graph shows POP3 messages delivered to mailboxes.

This graph uses the data collected by the EXSPI-8X Dc-POP3 Performance policy. In the data store of the node, the EX2007_POP3PERF table is used to construct this graph.

- **Outlook Client RPC Performance**

The Outlook Client RPC Performance graph shows the Outlook Client RPC Performance. The graph displays the following details:

- RPCs attempted
- RPCs failed
- RPCs succeeded

Run this graph only on the nodes with the Mailbox Server role.

This graph uses the data collected by the EXSPI-8X Dc-Outlook Client policy. In the data store of the node, the EX2007_ISCLIENT table is used to construct this graph.

Information Store

The Information Store folder has the following graphs:

- **Information Store Users and Connections**

The Information Store Users and Connections graph shows user and connection count metrics for the current day.

This graph uses the data collected by the EXSPI-8X Dc Information Store Performance policy. In the data store of the node, the EX2007_ISPERF table is used to construct this graph.

- **Virtual Memory 16MB Free Block Trend**

The Virtual Memory 16MB Free Block Trend graph shows information store virtual memory 16MB free block use trends.

This graph uses the data collected by the EXSPI-8X Dc Information Store Performance policy. In the data store of the node, the EX2007_ISPERF table is used to construct this graph.

- **Virtual Memory Large Free Block Megabytes Usage**

The Virtual Memory Large Free Block Megabytes Usage graph shows information store virtual memory large free block megabytes usage.

This graph uses the data collected by the EXSPI-8X Dc Information Store Performance policy. In the data store of the node, the EX2007_ISPERF table is used to construct this graph.

- **Virtual Memory Largest Block Size**

The Virtual Memory Largest Block Size graph shows the change of the information store virtual memory largest block size.

This graph uses the data collected by the EXSPI-8X Dc Information Store Performance policy. In the data store of the node, the EX2007_ISPERF table is used to construct this graph.

Mailbox Store

The Mailbox Store folder has the following graphs:

- **Mailbox Store Delivery Time**

The Mailbox Store Delivery Time graph shows hourly metrics for the average delivery times of messages to Microsoft Exchange server private and public mailboxes. The graph shows the average delivery time of local messages to Exchange Server private mailboxes for every hour.

This graph uses the data collected by the EXSPI-8X Dc-IS Mailbox Performance policy. In the data store of the node, the EX2007_MBPERF table is used to construct this graph.

- **Mailbox Store Message Volume**

The Mailbox Store Message Volume graph shows the Microsoft Exchange server private mailbox volume. The graph displays the following details:

- Local deliveries
- The number of messages delivered to all recipients
- The number of messages sent to the transport
- The number of messages submitted by clients
- The number of recipients that have received a message

This graph uses the data collected by the EXSPI-8X Dc-IS Mailbox Performance policy. In the data store of the node, the EX2007_MBPERF table is used to construct this graph.

- **Mailbox Store Queues**

The Mailbox Store Queues graph shows Exchange server mailbox store queue lengths.

This graph uses the data collected by the EXSPI-8X Dc-IS Mailbox Performance policy. In the data store of the node, the EX2007_MBPERF table is used to construct this graph.

- **Exchange 2007 Mailbox Store EDB Database Statistics**

The Exchange 2007 Mailbox Store EDB graph shows Exchange Server Mailbox Store EDB Database (edb) Statistics. The graph displays the following details:

- The physical amount of space used by the mailbox database (in megabytes)
- The physical amount of space available for use by mailbox database (in megabytes)
- The amount of space that is not available for use by the mailbox database.

This graph uses the data collected by the EXSPI-8X Get Mailbox IS Sum Data policy. In the data store of the node, the EX2007_MBSUMMARY table is used to construct this graph.

Public Folder Store

The Public Folder Store has the following graphs:

- **Public Folder Store Delivery Time**

The Public Folder Store Delivery Time graph shows hourly metrics for the average delivery times of local messages to Exchange servers.

This graph uses the data collected by the EXSPI-8X Dc-IS Public Folder Performance policy. In the data store of the node, the EX2007_PFPERF table is used to construct this graph.

- **Public Folder Store Message Volume**

The Public Folder Store Message Volume graph shows Exchange server public folder volume. The graph displays the following details:

- The number of messages delivered to all recipients
- The total number of messages sent to the transport
- The number of messages submitted by clients
- The number of recipients that have received a message

This graph uses the data collected by the EXSPI-8X Dc-IS Public Folder Performance policy. In the data store of the node, the EX2007_PFPERF table is used to construct this graph.

- **Public Folder Store Queues**

The Public Folder Store Queues graph shows Exchange server public folder store queue lengths. The graph displays the following details: length of the Receive Queue and length of the Replication Receive Queue.

This graph uses the data collected by the EXSPI-8X Dc-IS Public Folder Performance policy. In the data store of the node, the EX2007_PFPERF table is used to construct this graph.

- **Exchange 2007 Public Folder Store EDB Database Statistics**

The Exchange 2007 Public Folder Store EDB Database Statistics graph shows Exchange Server Public Folder Store Database (edb) Statistics. The graph displays the following details:

- The physical amount of space used by the public folder database (megabytes)
- The physical amount of space available for use by the the public folder database (megabytes)
- The amount of space that is not available for use by the public folder database

This graph uses the data collected by the EXSPI-8X Get Public IS Sum Data policy. In the data store of the node, the EX2007_PFSUMMARY table is used to construct this graph.

Transport Server Role

The Transport Server Role has the following graph:

- **Transport Server Queues**

The Transport Server Queues graph shows the Microsoft Exchange 2007/2010 Server Transport Server queue lengths. The graph displays lengths of the following queues:

- Poison Queue
- Submission Queue
- Aggregate Delivery Queue
- Unreachable Queue
- Retry Mailbox Delivery Queue
- Active Remote Delivery Queue
- Retry Remote Delivery Queue
- Largest Queue
- Active Mailbox Delivery Queue

This graph uses the data collected by the EXSPI-8X/14X Dc Transport Queues policy. In the data store of the node, the EX2007_TRANSQ / EXSPI_TRANSQ table is used to construct this graph.

Graphs, Data Store, and Policy Mapping Details

The Microsoft Exchange SPI creates the following data tables for Microsoft Exchange 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
Virtual Memory Largest Block Size	EXSPI-8X Dc Information Store Performance	EX2007_ISPERF.spec	EX2007_ISPERF
Virtual Memory Large Free Block Megabytes Usage	EXSPI-8X Dc Information Store Performance	EX2007_ISPERF.spec	EX2007_ISPERF
Virtual Memory 16MB Free Block Trend	EXSPI-8X Dc Information Store Performance	EX2007_ISPERF.spec	EX2007_ISPERF
Information Store Users and Connections	EXSPI-8X Dc Information Store Performance	EX2007_ISPERF.spec	EX2007_ISPERF
MAPI RPC Performance	EXSPI-8X Dc Information Store Performance	EX2007_ISPERF.spec	EX2007_ISPERF
MAPI RPC Latency Levels	EXSPI-8X Dc-Outlook Client	EX2007_ISCLIENT.spec	EX2007_ISCLIENT
Outlook Client RPC Performance	EXSPI-8X Dc-Outlook Client	EX2007_ISCLIENT.spec	EX2007_ISCLIENT
Outlook Client Failures	EXSPI-8X Dc-Outlook Client	EX2007_ISCLIENT.spec	EX2007_ISCLIENT
Public Folder Store Queues	EXSPI-8X Dc-IS Public Folder Performance	EX2007_PFPERF.spec	EX2007_PFPERF
Mailbox Store Queues	EXSPI-8X Dc-IS Mailbox Performance	EX2007_MBPERF.spec	EX2007_MBPERF
Mailbox Store Delivery Time	EXSPI-8X Dc-IS Mailbox Performance	EX2007_MBPERF.spec	EX2007_MBPERF

Public Folder Store Delivery Time	EXSPI-8X Dc-IS Public Folder Performance	EX2007_PFPERF.spec	EX2007_PFPERF
Mailbox Store Message Volume	EXSPI-8X Dc-IS Mailbox Performance	EX2007_MBPERF.spec	EX2007_MBPERF
Public Folder Store Message Volume	EXSPI-8X Dc-IS Public Folder Performance	EX2007_PFPERF.spec	EX2007_PFPERF
IMAP4 Connections	EXSPI-8X Dc- IMAP4 Performance	EX2007_IMAP4PERF.spec	EX2007_IMAP4PERF
POP3 Performance	EXSPI-8X Dc-POP3 Performance	EX2007_POP3PERF.spec	EX2007_POP3PERF
POP3 Connections	EXSPI-8X Dc-POP3 Performance	EX2007_POP3PERF.spec	EX2007_POP3PERF
Exchange 2007 Mailbox Store EDB Database Statistics	EXSPI-8X Get Mailbox IS Sum Data	EX2007_MBSUMMARY.spec	EX2007_MBSUMMARY
Exchange 2007 Public Folder Store EDB Database Statistics	EXSPI-8X Get Public IS Sum Data	EX2007_PFSUMMARY.spec	EX2007_PFSUMMARY
Transport Server Queues	EXSPI-8X Dc Transport Queues	EX2007_TRANSQ.spec	EX2007_TRANSQ

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