Micro Focus Security ArcSight Connectors

SmartConnector for Microsoft Office 365: Microsoft Exchange Online Message Tracking

Supplemental Configuration Guide

Legal Notices

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Support

Contact Information

Phone	A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information
Support Web Site	https://softwaresupport.softwaregrp.com/
ArcSight Product Documentation	https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ct-p/productdocs

Revision History

Date	Description
04/30/2020	First edition of this guide

Contents

SmartConnector for Exchange Online Message Tracking :

This guide provides information for installing the SmartConnector for Exchange Online Message Tracking and configuring the connector for event collection.

Product Overview

Message tracking, or message tracing, as it is called in Office 365, is one of the most basic tools used by administrators to monitor the email flow. As emails travel through Office 365, some information about them gets stored in logs and is available for administrative purposes. No matter if users delete or purge messages, the administrator is able to view basic information about sent and received emails.

Message tracing does not allow you to peek into a message's contents. Still, it can provide quite a lot of important data about emails:

- Sender and Recipient
- Send and receive dates
- Subject and size
- Status and details of events. There are seven possible values in the delivery status field: delivered, failed, pending, expanded, quarantined, filtered as spam and unknown.
- IP address used to send the message
- Message ID a unique number identifying a message. If a message is sent to more than one recipient, it will display once for every recipient in the message trace search, but all those entries will have the same Message-ID and different Message Trace ID

Install the SmartConnector

The following sections provide instructions for installing and configuring your selected SmartConnector.

Prepare to Install Connector

Before you install any SmartConnectors, make sure that the ArcSight products with which the connectors will communicate have already been installed correctly (such as ArcSight ESM or ArcSight Logger).

For complete product information, read the Administrator's Guide as well as the Installation and Configuration guide for your ArcSight product before installing a new SmartConnector. If you are adding a connector to the ArcSight Management Center, see the ArcSight Management Center Administrator's Guide for instructions, and start the installation procedure at "Set Global Parameters (optional)" or "Select Connector and Add Parameter Information."

Before installing the SmartConnector, be sure the following are available:

- Local access to the machine where the SmartConnector is to be installed
- Administrator passwords

Install Core Software

Unless specified otherwise at the beginning of this guide, this SmartConnector can be installed on all ArcSight supported platforms; for the complete list, see the SmartConnector Product and Platform Support document, available from the Micro Focus SSO and Protect 724 sites.

1. Download the SmartConnector executable for your operating system from the Micro Focus SSO site.

2. Start the SmartConnector installation and configuration wizard by running the executable.

   Follow the wizard through the following folder selection tasks and installation of the core connector software:

   Introduction

   Choose Install Folder

   Choose Shortcut Folder

   Pre-Installation Summary

   Installing...

3. When the installation of SmartConnector core component software is finished, the following

window is displayed:
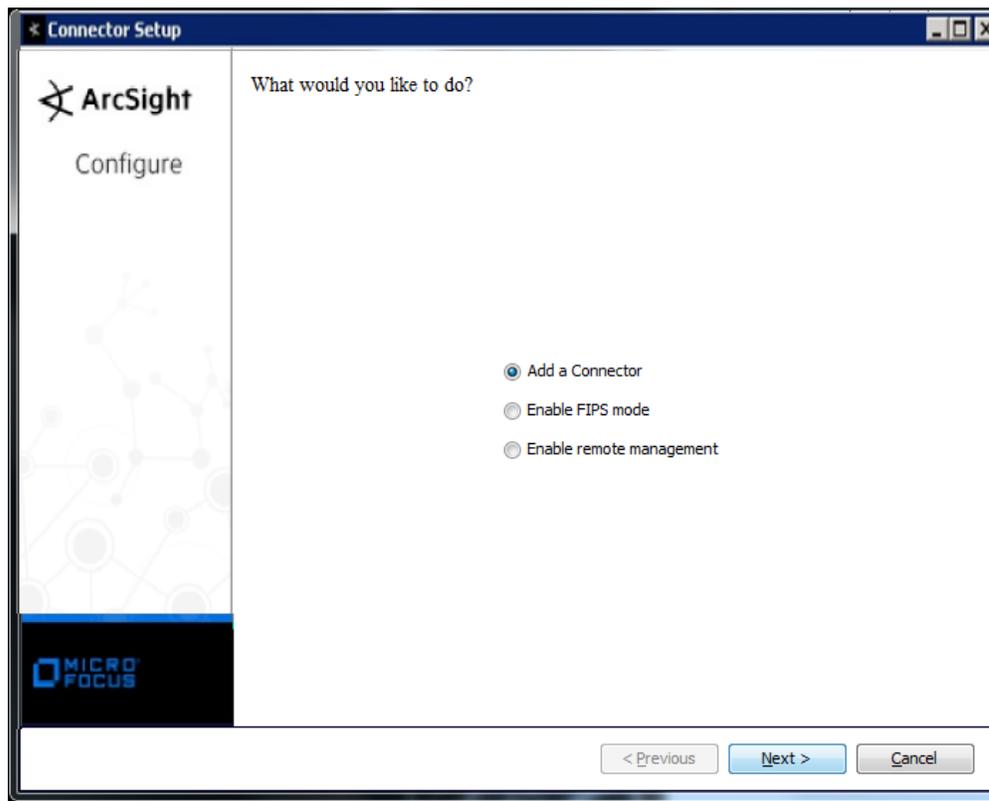
Set Global Parameters (optional)

If you choose to perform any of the operations shown in the following table, do so before adding your connector. You can set the following parameters:

Parameter	Setting
FIPS mode	Select 'Enabled' to enable FIPS compliant mode. To enable FIPS Suite B Mode, see the SmartConnector User Guide under "Modifying Connector Parameters" for instructions. Initially, this value is set to 'Disabled'.
Remote Management	Select 'Enabled' to enable remote management from ArcSight Management Center. When queried by the remote management device, the values you specify here for enabling remote management and the port number will be used. Initially, this value is set to 'Disabled'.
Remote Management Listener Port	The remote management device will listen to the port specified in this field. The default port number is 9001.
Preferred IP Version	When both IPv4 and IPv6 IP addresses are available for the local host (the machine on which the connector is installed), you can choose which version is preferred. Otherwise, you will see only one selection. The initial setting is IPv4

Parameter	Setting
The following parameters should be configured only if you are using Micro Focus SecureData solutions to provide encryption. See the Micro Focus SecureData Architecture Guide for more information.	
Format Preserving Encryption	Data leaving the connector machine to a specified destination can be encrypted by selecting 'Enabled' to encrypt the fields identified in 'Event Fields to Encrypt' before forwarding events. If encryption is enabled, it cannot be disabled. Changing any of the encryption parameters again will require a fresh installation of the connector .
Format Preserving Policy URL	Enter the URL where the Micro Focus SecureData Server is installed.
Proxy Server (https)	Enter the proxy host for https connection if any proxy is enabled for this machine.
Proxy Port	Enter the proxy port for https connection if any proxy is enabled for this machine.
Format Preserving Identity	The Micro Focus SecureData client software allows client applications to protect and access data based on key names. This key name is referred to as the identity. Enter the user identity configured for Micro Focus SecureData.
Format Preserving Secret	Enter the secret configured for Micro Focus SecureData to use for encryption.
Event Fields to Encrypted	t Recommended fields for encryption are listed; delete any fields you do not want encrypted and add any string or numeric fields you want encrypted. Encrypting more fields can affect performance, with 20 fields being the maximum recommended. Also, because encryption changes the value, rules or categorization could also be affected. Once encryption is enabled, the list of event fields cannot be edited.

After making your selections, click **Next**. A summary screen is displayed. Review the summary of your selections and click **Next**. Click **Continue** to return to proceed with "Add a Connector" window. Continue the installation procedure with "Select Connector and Add Parameter Information."

Select Connector and Add Parameter Information

1. Select **Add a Connecto**r and click **Next**. If applicable, you can enable FIPS mode and enable remote management later in the wizard after SmartConnector configuration.
2. Select **Message Trace REST API** and click **Next**.

3. Enter the required SmartConnector parameters to configure the SmartConnector, then click Next.

Parameter	Description
User Name	An Office 365 User Name with administrative permissions.
Password	An Office 365 User Password.
Proxy Server (Optional)	(Optional) The proxy server used to access the Internet.
Proxy Port (Optional)	(Optional) The proxy port used to access the Internet.
Proxy User (Optional)	(Optional) The proxy user used to access the Internet.
Proxy Password (Optional)	(Optional) The proxy password used to access the Internet.

Select a Destination

1. The next window asks for the destination type; select a destination and click **Next**. For information about the destinations listed, see the ArcSight SmartConnector User Guide.

2. Enter values for the destination. For the ArcSight Manager destination, the values you enter for **User** and **Password** should be the same ArcSight user name and password you created during the ArcSight Manager installation. Click **Next.**

3. Enter a name for the SmartConnector and provide other information identifying the connector's use in your environment. Click **Next**. The connector starts the registration process.

4. If you have selected ArcSight Manager as the destination, the certificate import window for the ArcSight Manager is displayed. Select **Import the certificate to the connector from destination** and click **Next**. (If you select **Do not import the certificate to connector from destination**, the connector installation will end.) The certificate is imported and the **Add connector Summary** window is displayed.

Complete Installation and Configuration

1. Review the **Add Connector Summary** and click **Next**. If the summary is incorrect, click **Previous** to make changes.

2. The wizard now prompts you to choose whether you want to run the SmartConnector as a stand-alone process or as a service. If you choose to run the connector as a stand-alone process, select **Leave as a standalone application**, click **Next**, and continue with step 5.

3. If you chose to run the connector as a service, with **Install as a servic**e selected, click **Next**. The wizard prompts you to define service parameters. Enter values for **Service Internal Name** and **Service Display Name** and select **Yes** or **No** for **Start the service automatically**. The **Install Service Summary** window is displayed when you click **Next**.

4. Click Next on the summary window.

5. To complete the installation, choose **Exit** and Click **Next**.

For instructions about upgrading the connector or modifying parameters, see the SmartConnector User Guide.

Run the SmartConnector

SmartConnectors can be installed and run in stand-alone mode, on Windows platforms as a Windows service, or on UNIX platforms as a UNIX daemon, depending upon the platform supported. On Windows platforms, SmartConnectors also can be run using shortcuts and optional Start menu entries.

If the connector is installed in stand-alone mode, it must be started manually and is not automatically active when a host is restarted. If installed as a service or daemon, the connector runs automatically when the host is restarted. For information about connectors running as services or daemons, see the ArcSight SmartConnector User Guide.

To run all SmartConnectors installed in stand-alone mode on a particular host, open a command window, go to **$ARCSIGHT_HOME\current\bi**n and run: `arcsight connectors`

To view the SmartConnector log, read the file

$ARCSIGHT_HOME\current\logs\agent.log; to stop all SmartConnectors, enter **Ctrl+C** in the command window.

Device Event Mapping to ArcSight Fields

The following section lists the mappings of ArcSight data fields to the device's specific event definitions. See the ArcSight Console User's Guide for more information about the ArcSight data fields.

ArcSight ESM Field	Device-Specific Field
Device Vendor	'Microsoft'
Device Product	'Exchange Online'
Name	Both('Message ',Status)
External Id	MessageTraceId
Device Receipt Time	Received
Device Event Class Id	Both('Message ',Status)
Device Custom String 3	Subject
Device Custom String 6	Organization
Source Address	FromIP
Source User Name	SenderAddress
Destination Address	ToIP
Destination User Name	RecipientAddress
File Size	Size
File Id	MessageId

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