



# **Micro Focus Security ArcSight Connectors**

Software Version: 7.9.0.8084.0

## **Micro Focus SmartConnector Release Notes**

Document Release Date: June 25 2018

Software Release Date: June 25, 2018

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# Support

## Contact Information

<b>Phone</b>	A list of phone numbers is available on the Technical Support Page: <a href="https://softwaresupport.softwaregrp.com/support-contact-information">https://softwaresupport.softwaregrp.com/support-contact-information</a>
<b>Support Web Site</b>	<a href="https://softwaresupport.softwaregrp.com/">https://softwaresupport.softwaregrp.com/</a>
<b>ArcSight Product Documentation</b>	<a href="https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ctp/productdocs">https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ctp/productdocs</a>

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## SmartConnector Release 7.9.0.8084.0

These notes describe how to apply this latest release of ArcSight SmartConnectors, as well as providing other information about recent changes and open and closed issues.

### To Verify Your Upgrade Files

Micro Focus provides a digital public key for you to verify that the signed software you received is indeed from Micro Focus and has not been manipulated in any way by a third party.

Visit the following site for information and instructions:

<https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPLinuxCodeSigning>

Note: If a Parser Override was provided, see if the Bug or Feature Request number is included in the Fixed or Enhancements Section. If the number is not listed, do not upgrade the Connector. You may test the upgrade in a STAGE (staging) environment to make sure it works as expected prior to upgrading it in PROD (production)

### Integrated into this Release

Parser update releases 7.7.1.8037 through 7.7.6.8063 have been integrated into this framework release. These releases contain version updates, fixed issues, and enhancements for a number of SmartConnectors. For details, see the corresponding release notes on Protect 724:

- 7.7.1 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ParserUpdate-7-7-1-8037-Release-Notes/ta-p/1619388>
- 7.7.2 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ParserUpdate-7-7-2-8042-Release-Notes/ta-p/1622827>
- 7.7.3 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ReleaseNotes-7-7-3-8053/ta-p/1626753>
- 7.7.4 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ParserUpdate-Release-Notes-7-7-4-8056-0/ta-p/1630010>
- 7.7.5 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ReleaseNotes-7-7-5-8060-0/ta-p/1634457>
- 7.7.6 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-ReleaseNotes-7-7-6-8063-0/ta-p/1638508>
- 7.7.0 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-Release-Notes-7-7-0-7036/ta-p/1619034>
- 7.8.0 Release Notes: <https://community.softwaregrp.com/t5/ArcSight-Connectors/SmartConnector-Release-Notes-7-8-0-8070-0/ta-p/1648613>

All the SmartConnectors listed below were updated in these monthly parser update releases. SmartConnectors with version numbers in parenthesis have updated version support.

<b>Release 7.7.1.8037</b>	<b>Release 7.7.2.8042</b>
<ul style="list-style-type: none"> <li>• Syslog SmartConnectors issues</li> <li>• Barracuda Email Security Gateway Syslog (v8.0)</li> <li>• Blue Coat Proxy SG Syslog</li> <li>• Check Point OPSEC NG</li> <li>• Cisco ASA Syslog</li> <li>• Cisco IOS Syslog</li> <li>• Cisco IronPort Email Security Appliance File (v10.0)</li> <li>• Cisco IronPort Email Security Appliance Syslog (v10.0)</li> <li>• Citrix NetScaler Syslog</li> <li>• F5 BIG-IP Syslog</li> <li>• Fortinet FortiGate Syslog</li> <li>• HPE H3C Syslog</li> <li>• HPE Operations Manager I Web Services</li> <li>• HPE ProCurve Syslog</li> <li>• HPE UX Syslog</li> <li>• McAfee ePolicy Orchestrator DB (DLP 10.0 with ePO 5.3)</li> <li>• Rapid7 NeXpose XML File (v6.3)</li> </ul>	<ul style="list-style-type: none"> <li>• Blue Coat Proxy SG Syslog</li> <li>• Citrix NetScaler Syslog</li> <li>• Juniper JUNOS Syslog</li> <li>• Linux Audit Syslog</li> <li>• McAfee ePolicy Orchestrator DB (Orion Audit Log v5.1 and Policy Auditor v6.2, both on ePO v5.3)</li> <li>• Microsoft Office 365 (OneDrive)</li> <li>• Microsoft SQL Server Audit Windows Event Log Native (Microsoft SQL Server 2016)</li> <li>• Pulse Secure Pulse Connect Secure Syslog</li> <li>• Symantec Endpoint Protection DB (v14.0 Anti-Virus and Anti-Spyware Protection Events).</li> </ul>

<b>Release 7.7.3.8053</b>	<b>Release 7.7.4.8056</b>
<ul style="list-style-type: none"> <li>• Check Point Syslog</li> <li>• Cisco ASA Syslog</li> <li>• Cisco IOS Syslog</li> <li>• Cisco IronPort Email Security Appliance Syslog</li> <li>• Cisco Secure ACS Syslog</li> <li>• Cisco Wireless LAN Controller Syslog</li> <li>• McAfee ePolicy Orchestrator DB (Data Exchange Layer 3.0.1 with ePO 5.3)</li> <li>• Symantec Endpoint Protection DB</li> <li>• VMware Web Services (vCenter 6.5 on ESXi 6.5)</li> </ul>	<ul style="list-style-type: none"> <li>• Syslog SmartConnectors issues</li> <li>• Check Point Syslog (Modules: ESOD, Eventia Analyzer Server, Identity Logging, and VPN-1 Edge for R77.30)</li> <li>• Cisco ASA Syslog</li> <li>• F5 BIG-IP Syslog (Access Policy Module (APM) 11.6)</li> <li>• Juniper JUNOS Syslog (15.1 MX Series Virtual Chassis, MX960 router)</li> <li>• IBM SiteProtector DB</li> <li>• Linux Audit File (RHEL 6.7)</li> <li>• Linux Audit Syslog (RHEL 6.7)</li> <li>• McAfee ePolicy Orchestrator DB</li> <li>• Pulse Secure Pulse Connect Secure Syslog</li> <li>• Symantec Endpoint Protection DB</li> <li>• UNIX OS Syslog (RHEL 6.7 and 7.3)</li> </ul>

<b>Release 7.7.5.8060</b>	<b>Release 7.7.6.8063</b>
<ul style="list-style-type: none"> <li>• HPE Aruba Mobility Controller Syslog</li> <li>• Blue Coat Proxy SG Syslog</li> <li>• Proofpoint Enterprise Protection and Enterprise Privacy Syslog</li> <li>• Citrix NetScaler Syslog Config</li> </ul>	<ul style="list-style-type: none"> <li>• McAfee ePolicy Orchestrator DB</li> <li>• Microsoft SQL Server Multiple Instance Audit DB</li> </ul>

## To Apply This Release

Download the appropriate executable for your platform from the Support Web site (<https://softwaresupport.hpe.com/>), as well as the separate downloadable zip file of SmartConnector Configuration

Guides. When downloading the documentation zip file, create a folder for the documentation (such as C:\ArcSight\Docs) and unzip the file there. Then double-click index.html in the agentdocinstall directory to access the individual configuration guides.

64-bit executable is available for download for Windows and Linux platforms. Only a 64-bit executable is provided for Solaris platforms. Users should move to the Solaris 64-bit platform. There is no upgrade path from the Solaris 32-bit image to the Solaris 64-bit image.

All SmartConnectors are currently supported on 64-bit platforms other than those listed as exceptions in the "SmartConnectors with 64-Bit Support" document. This document is available on Protect 724 (<https://community.saas.hpe.com/t5/ArcSight-Connectors/HPE-ArcSight-SmartConnectors-with-64-bit-PlatformSupport/ta-p/1587669>) as well as in the SmartConnector Configuration Guide zip file available for download from the Support Web Site.

For a successful SmartConnector installation, follow the installation procedures documented in the individual SmartConnector configuration guides.

## New SmartConnector Support

None at this time.

## New Device, Component, or OS Version Support

SmartConnector for	Version
Proof point Syslog	Version update 8.7
Microsoft DHCP File	Added support for Windows Server 2016.
AWS Cloud Trail	Added support for GuardDuty.

## SmartConnector Enhancements

In each SmartConnector release, updates and enhancements are made to the field mappings for individual SmartConnectors. If you use any of the SmartConnectors listed in the "Fixed Issues" section of these release notes, be aware that installing the updated SmartConnector can impact your created content.

### **Microsoft SCCM DB**

Fields were mapped into ESM. [CON-20352]

### **Microsoft Windows EventLog Native Mappings Config**

Sub Status field was added to Event 4625. [CON-20398]

### **McAfeeEPOConfig**

Fields were properly populated. [CON-20009]

### **AWS Cloud Trail**

Users can configure services to be included/excluded with the new include/exclude filters. [CON-20721]

## Fixed Issues

Reduced EPS to Logger Destination was fixed for 7.9.0.

SmartConnector for	Number	Description
Symantec Endpoint Protection DB Config	CON-16461	Some events were unparsed.
McAfee EPO Config	CON-19692	Fields were mapped into ESM.
	CON-20455	The 'endpointsecurity' catalog query caused OutOfMemoryError.
Pulse Secure Connect Syslog	CON-20266 CON-20365 CON-20444 CON-19878	Some events were unparsed.
Cisco PIX-ASA-Syslog	CON-20173	Fields were mapped in ESM.
Checkpoint Syslog	CON-19664	Fields were updated in ESM.

Microsoft SCCM DB	CON-19025	Fields were mapped in ESM.
Linux Audit Syslog Config	CON-20504	Fields were mapped in ESM.
	CON-20227	Some events were not parsed correctly.
Cisco IronPort Web Security Appliance File	CON-19040	Added mappings for Connector and device severity
Windows Event Log	CON-21010	Events were repeated when upgrading from 7.8 to 7.9
	CON-20697	The connector ignored the "preservestate flag". When the connector was restarted, it collected events based on the "startatend flag" status, and not from where it stopped. This caused event loss.
	CON-20673	After deleting the WISC connector from the local container, user could re-configure the same. Fix: 1) In repositories, create a new repository and give the relative path as 'wisc', select delete before push option. Upload a zip file to this repository, the zip file should have one folder 'wisc' but an empty folder and no content. 2) In repositories, please create a new repository and give the relative path as 'agentdata\wisc', select delete before push option. Upload a zip file to this repository, the zip file should have one folder 'agentdata\wisc' but an empty folder and no content. 3) Push the repository file to the container from which the connector is removed. 4) Download the container certificate to ArcMC. 5) Then configure the WISC.
Microsoft Exchange Message Tracking Log Multiple Server File	CON-20359	Some events were not parsed correctly.
Microsoft DNS Trace Log	CON-20218	Some events were not parsed correctly.
FlexConnector ID-Based Database FlexConnector Scanner Database FlexConnector Time-Based Database	CON-15912	Some events were not parsed correctly.
ArcSight Flexconnector ArcSight Flexconnector REST	CON-20079	After 7.7.0., some events were not parsed correctly.

## Known Limitations

### All SmartConnectors

If you are using a map file with an expression setter in the <connector\_install\_location>

\current\user\agent\map location, and the connector runs out of memory, then you can add the following property to agent.properties to work-around the problem:

```
parser.operation.result.cache.enabled=false
```

If this problem happens with Windows Event Log Native, and if the above work-around does not completely solve the problem, then reduce the value of the Native connector parameter 'eventprocessorthreadcount'. You can try to reduce it successively, down to a minimum value of 1, to see which value works best for your environment. Example: agents[0].eventprocessorthreadcount=5 or agents[0].eventprocessorthreadcount=1, etc..

where 0 is the index of the WINC connector in the container. [CON-19234, CON-18977]



### *Microsoft Office 365*

When configuring the Office 365 connector, if you get the following error: "HTTP/1.1 400 Bad Request" with the message: "{ \"error\": { \"code\": \"AF20024\", \"message\": \" The subscription is already enabled. No property change. \" } }\", you can ignore the error, continue configuration, and then run the connector to collect events.

The error is caused by an undocumented change in the Office 365 API response behavior. Before this change, when connector requested to start an already started subscription, the API would return a 200 OK response, and it would work fine. Office 365 API has changed the behavior to respond with HTTP error 400, instead of 200. Neither the change in API behavior, nor the new Error# AF20024, have been documented by Microsoft at: <https://msdn.microsoft.com/en-us/office-365/office-365-management-activity-api-reference> [CON-18936]

### *RHEL 7.4 and CentOS 6.9*

The connector ignores the preservestate flag. So every time that the connector is restarted, it will start collecting events, as per the startatend flag status, and not from where it last stopped event collection. This may cause event loss or duplication depending on the startatend flag status. Please contact Support to get a hotfix build for this issue. [CON-20697]

### *EPS rates*

The smart connector should be considered for collecting data from multiple Windows endpoints, each of the end points generating around 200 EPS. As normal, EPS rates will vary with the size of the events processed. For reaching higher EPS rates, you could configure more endpoints or consider using the native connector.

File reader connectors may use the highest processing power available to make fast readings, reaching the highest achievable EPS rate. Other factors such as additional destinations, may reduce EPS for these particular connector types. Also, running other third-party processes may compete with the connector running at the same or lower the priority. The result might be less CPU cycles which lead to reduced EPS.

## **Connector End-of-Life Notices**

### **SmartConnector Support Ending Soon**

#### **Support Ending 4/28/2018**

Support ending for all 32-bit SmartConnectors – Use 64-bit SmartConnectors.

### **SmartConnectors Support Recently Ended**

#### **Support Ended 11/20/2017**

Lumension PatchLink Scanner DB – Product no longer available.

#### **Support Ended 10/17/2017**

Apache HTTP Server Access File (Legacy) – Use the SmartConnector for Apache HTTP Server Access Multiple File.

Cisco Content Services Switch Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Firewall Services Module Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Router non-IOS Syslog (Legacy) – Use the SmartConnector for Cisco IOS Syslog.

Cisco VPN Syslog (Legacy) – Use the SmartConnector for Cisco ASA Syslog.

eEye REM Security Management Console DB (Legacy) – Support ended due to end of support by vendor.

IBM Lotus Domino DB (Legacy) – Support ended due to lack of ODBC support with Java 8.

IBM Tivoli Access Manager File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

IBM Tivoli Access Manager XML File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

QoSient ARGUS (Legacy) – Support ended due to lack of customer demand.

RSA Identity Management Service SNMP (Legacy) – Use the SmartConnector for SNMP Unified.

Sun ONE Web Access Server File (Legacy) – Use the SmartConnector for Sun ONE Web Access Server Multiple File.

VMware ESXi Syslog – Support ended for vCenter versions 2.5, 3.5, 4.0, and 5.0 and ESX/ESXi servers 3.0, 4.0, and 5.0 due to end of support by vendor.

## **Support Ended 08/15/2017**

VMware Web Services – Support ended for vCenter versions 2.5, 3.5, 4.0, and 5.0 and ESX/ESXi servers 3.0, 4.0, and 5.0 due to end of support by vendor.

## **Support Ended 06/15/2017**

Rapid7 NeXpose XML File – Support ended for versions 4.0 through 4.12 due to end of support by vendor.

## **Support Ended 05/15/2017**

IBM SiteProtector – Support ended for versions 2.0 through 3.0 due to end of support by vendor.

IBM WebSphere – Support ended for versions 4.0, 5.0, 6.0, and 6.1 due to end of support by vendor.

IP Flow (NetFlow/J-Flow) – End of support for NetFlow and J-Flow version 5. For most current IP flow support, use the SmartConnector for IP Flow Information Export (IPFIX).

ISC BIND Syslog — Support ended for BIND versions 9.3 and 9.5 due to end of support by vendor.

Juniper JUNOS Syslog – Support ended for versions 9.6 through 11.4 due to end of support by vendor.

Juniper Network and Security Manager Syslog – Support ended for 2010.3, 2010.4, 2011.1, 2011.4, and 2012.1 due to end of support by vendor.

McAfee Network Security Manager Syslog – Support ended for IntruShield versions 1.2, 1.8, and 2.1 and NSM 5.1 and 6.0 due to end of support by vendor.

McAfee Vulnerability Manager DB – Support ended for versions 6.8 and 7.0 due to end of support by vendor.

MessageGate Syslog – Support ended because company no longer exists.

SNMP Unified – Support ended for IBM Lotus Domino SNMP 7.0 and 8.0 due to end of support by vendor.

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Cisco VPN Syslog (Legacy) – Use the SmartConnector for Cisco ASA Syslog.

eEye REM Security Management Console DB (Legacy) – Support ended due to end of support by vendor.

IBM Lotus Domino DB (Legacy) – Support ended due to lack of ODBC support with Java 8.

IBM Tivoli Access Manager File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

IBM Tivoli Access Manager XML File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

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VMware ESXi Syslog – Support ended for vCenter versions 2.5, 3.5, 4.0, and 5.0 and ESX/ESXi servers 3.0, 4.0, and 5.0 due to end of support by vendor.

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MessageGate Syslog – Support ended because company no longer exists.

SNMP Unified – Support ended for IBM Lotus Domino SNMP 7.0 and 8.0 due to end of support by vendor.

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IP Flow (NetFlow/J-Flow) – End of support for NetFlow and J-Flow version 5. For most current IP flow support, use the SmartConnector for IP Flow Information Export (IPFIX).

ISC BIND Syslog — Support ended for BIND versions 9.3 and 9.5 due to end of support by vendor.

Juniper JUNOS Syslog – Support ended for versions 9.6 through 11.4 due to end of support by vendor.

Juniper Network and Security Manager Syslog – Support ended for 2010.3, 2010.4, 2011.1, 2011.4, and 2012.1 due to end of support by vendor.

McAfee Network Security Manager Syslog – Support ended for IntruShield versions 1.2, 1.8, and 2.1 and NSM 5.1 and 6.0 due to end of support by vendor.

McAfee Vulnerability Manager DB – Support ended for versions 6.8 and 7.0 due to end of support by vendor.

MessageGate Syslog – Support ended because company no longer exists.

SNMP Unified – Support ended for IBM Lotus Domino SNMP 7.0 and 8.0 due to end of support by vendor.

### **Support Ended 02/21/2018**

Symantec Endpoint Protection DB – SEP version 11 support ended by vendor.

### **Support Ended 11/15/2017**

Lumension PatchLink Scanner DB – Product no longer available.

## **Support Ended 10/17/2017**

Apache HTTP Server Access File (Legacy) – Use the SmartConnector for Apache HTTP Server Access Multiple File.

Cisco Content Services Switch Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Firewall Services Module Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Router non-IOS Syslog (Legacy) – Use the SmartConnector for Cisco IOS Syslog.

Cisco VPN Syslog (Legacy) – Use the SmartConnector for Cisco ASA Syslog.

eEye REM Security Management Console DB (Legacy) – Support ended due to end of support by vendor.

IBM Lotus Domino DB (Legacy) – Support ended due to lack of ODBC support with Java 8.

IBM Tivoli Access Manager File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

IBM Tivoli Access Manager XML File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

QoSient ARGUS (Legacy) – Support ended due to lack of customer demand.

RSA Identity Management Service SNMP (Legacy) – Use the SmartConnector for SNMP Unified.

Sun ONE Web Access Server File (Legacy) – Use the SmartConnector for Sun ONE Web Access Server Multiple File.

VMware ESXi Syslog – Support ended for vCenter versions 2.5, 3.5, 4.0, and 5.0 and ESX/ESXi servers 3.0, 4.0, and 5.0 due to end of support by vendor.

## **Support Ended 08/15/2017**

VMware Web Services – Support ended for vCenter versions 2.5, 3.5, 4.0, and 5.0 and ESX/ESXi servers 3.0, 4.0, and 5.0 due to end of support by vendor.

## **Support Ended 06/15/2017**

Rapid7 NeXpose XML File – Support ended for versions 4.0 through 4.12 due to end of support by vendor.

## **Support Ended 05/15/2017**

IBM SiteProtector – Support ended for versions 2.0 through 3.0 due to end of support by vendor.

IBM WebSphere – Support ended for versions 4.0, 5.0, 6.0, and 6.1 due to end of support by vendor.

IP Flow (NetFlow/J-Flow) – End of support for NetFlow and J-Flow version 5. For most current IP flow support, use the SmartConnector for IP Flow Information Export (IPFIX).

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McAfee Network Security Manager Syslog – Support ended for IntruShield versions 1.2, 1.8, and 2.1 and NSM 5.1 and 6.0 due to end of support by vendor.

McAfee Vulnerability Manager DB – Support ended for versions 6.8 and 7.0 due to end of support by vendor.

MessageGate Syslog – Support ended because company no longer exists.

SNMP Unified – Support ended for IBM Lotus Domino SNMP 7.0 and 8.0 due to end of support by vendor.

## **Support Ended 02/21/2018**

Symantec Endpoint Protection DB – SEP version 11 support ended by vendor.

## **Support Ended 11/15/2017**

Lumension PatchLink Scanner DB – Product no longer available.

## **Support Ended 10/17/2017**

Apache HTTP Server Access File (Legacy) – Use the SmartConnector for Apache HTTP Server Access Multiple File.

Cisco Content Services Switch Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Firewall Services Module Syslog (Legacy) – Support ended due to end of support by vendor.

Cisco Router non-IOS Syslog (Legacy) – Use the SmartConnector for Cisco IOS Syslog.

Cisco VPN Syslog (Legacy) – Use the SmartConnector for Cisco ASA Syslog.

eEye REM Security Management Console DB (Legacy) – Support ended due to end of support by vendor.

IBM Lotus Domino DB (Legacy) – Support ended due to lack of ODBC support with Java 8.

IBM Tivoli Access Manager File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

IBM Tivoli Access Manager XML File (Legacy) – Support ended due to end of support by vendor. For future product support, use the SmartConnector for IBM Security Access Manager Syslog.

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SNMP Unified – Support ended for IBM Lotus Domino SNMP 7.0 and 8.0 due to end of support by vendor.

## New and Updated SmartConnector Documentation

All SmartConnector configuration guides have been updated to reflect a change made to the installation procedure for IPv6 address support.

### General Connector Documentation

#### *ArcSight FlexConnector Developer's Guide*

Added encryption parameters to Global Parameters. Updated information for downloading SQL Server JDBC drivers. Several mapping changes. See the Revision History table in the guide for details.

#### *ArcSight FlexConnector REST Developer's Guide*

Corrected JSON parser example. Added encryption parameters to Global Parameters.

#### *SmartConnector Platform Support*

Updated certified platforms for connector 7.7.0 release.

#### *SmartConnector User Guide*

- Added Format Preserving Encryption parameter information.
- Added description of Data Encryption.
- See the Revision History table in the guide for details.

### SmartConnector Configuration Guides

#### *Micro Focus Security ArcSight SmartConnector for Microsoft Windows Event Log*

#### *Check Point Syslog*

Added support for R80.10.

#### *McAfee ePolicy Orchestrator DB*

Added Source Process Name and Old File Path mappings to Endpoint Security mappings table.

#### *SNMP Unified*

Added support for v8.2 RSA Authentication Management Services/RSA Identity Management.

#### *VMware ESXi Syslog*

Added support for version 6.5. Support ended for 5.0 due to end of support by vendor.

#### *Amazon Web Services CloudTrail*

Added mapping for 'Device Receipt Time' event in place of 'Start Time' event.

#### *McAfee ePolicy Orchestrator DB*

Added support for VSE 8.8 and ENS 10.5 with ePO 5.9.

#### *McAfee ePolicy Orchestrator DB*

Added support of HIPS 8.0 with ePO 5.9.

*McAfee Network Security Manager DB (ID-Based)* Added NSM 9.1 mappings.



*McAfee Network Security Manager DB (Time-Based)* Added  
NSM 9.1 mappings.

*UNIX OS Syslog*  
Added RHEL 7.4 support.

*McAfee Network Security Manager Syslog* Added  
support NSM 9.1.

*Rapid 7 NeXpose XML File*  
Added Rapid 7 NeXpose 6.4.42 support.

*Symantec Endpoint Protection DB* Version  
11 no longer supported.

*McAfee ePolicy Orchestrator DB*

*Microsoft SQL Server Multiple Instance Audit DB*

*Microsoft Active Directory Windows Event Log Native*

*Microsoft Exchange Audit Windows Event Log Native*

*Microsoft Forefront Protection 2010 for Exchange Windows Event Log Native*

*Microsoft Network Policy Server Windows Event Log Native*

*Microsoft Remote Access Windows Event Log Native*

*Microsoft Service Control Manager Windows Event Log Native*

*Microsoft SQL Server Audit Windows Event Log Native*

*Microsoft Windows Event Log Native Security Event Mappings* Microsoft

*WINS Server Windows Event Log Native*

*Oracle Audit Windows Event Log Native*

*Symantec Mail Security Windows Event Log Native*