



HP FutureSmart - Printer Integration with McAfee Enterprise Security Manager Security Information Event Management Solution

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Introduction

HP FutureSmart printers provide event information through standard Syslog server logging. Advanced security logging events can be enabled when configuring the Syslog settings. This security event information can be sent to an active McAfee Enterprise Security Manager (ESM) Security Information Event Management Solution (SIEM). Use the information provided in this whitepaper to configure the printer to send syslog events to the McAfee Event Receiver.

Requirements

The following components are needed to configure the HP FutureSmart printers to send advanced security logging events to the McAfee ESM SIEM solution.

- An active McAfee ESM SIEM environment
- HP FutureSmart printers configured to send syslog events to the IP address of the McAfee Event Receiver

Adding HP printers to McAfee ESM

Log in to ESM and add the data source to a receiver.

1. Select a receiver.
2. Click the Properties icon.
3. From the Receiver Properties window, select **Data Sources**.
4. Click **Add**.

Option	Definition
Data Source Vendor	Hewlett-Packard
Data Source Model	Laserjet Printers
Data Format	Default
Data Retrieval	SYSLOG (Default)
Enabled: Parsing/Logging/SNMP Trap	Parsing
Name	Name of data source
IP Address/Hostname	IP address or hostname of HP LaserJet Printer
Syslog Relay	None
Mask	32
Require Syslog TLS	Enable to require the Receiver to communicate over TLS
Support Generic Syslogs	Do nothing
Time Zone	Time zone of data being sent

Configuring the HP FutureSmart Printer

Follow these steps to configure HP FutureSmart printers to send security logging information to the McAfee Event Receiver:

1. Open any Web browser and open the Embedded Web Server using the IP address of the printer.
2. Select the **Networking** tab, select **TCP/IP Settings** from the left pane, and then select **Advanced**.
3. Type the IP address of the SmartConnector server in the “**Syslog Server**” field.
4. Type “1000” in the **Syslog Maximum Messages** field.
5. Select either the **Enhanced security event logging** checkbox (FutureSmart 4) or the **Enable CCC Logging** checkbox (FutureSmart 3) to activate the logging of advanced security events.
6. Click **Apply**.

The screenshot displays the configuration interface for the HP FutureSmart printer. The top navigation bar includes tabs for Information, General, Copy/Print, Scan/Digital Send, Fax, Supplies, Troubleshooting, Security, and Networking. The Networking tab is selected. On the left sidebar, the Configuration menu is expanded, and TCP/IP Settings is selected. The main content area shows the TCP/IP Settings page with sub-tabs for Summary, Network Identification, TCP/IP(v4), TCP/IP(v6), Config Precedence, and Advanced. The Advanced sub-tab is selected. The configuration fields are as follows:

- TTL/SLP: 4
- Syslog Server: 15.2.2.15
- Syslog Protocol: UDP
- Syslog Port: 514
- Syslog Maximum Messages: 1000
- Syslog Priority: 7 (Use '8' to disable.)
- Enhanced security event logging:

The Apply button is located at the bottom right of the configuration area.

Supported HP FutureSmart Printers

The following HP FutureSmart printers support the “Enhanced Security Event Logging” setting for integration with McAfee ESM SIEM:

Printer Models

HP Color LaserJet Enterprise M552, M553 series
HP Color LaserJet Enterprise MFP M577 series
HP Color LaserJet Enterprise M651 series
HP Color LaserJet Enterprise M652, M653 series
HP Color LaserJet Enterprise MFP M680 series
HP Color LaserJet Enterprise Flow MFP M681 series
HP Color LaserJet Enterprise Flow MFP M682z
HP Color LaserJet Enterprise M750 series
HP Color LaserJet Enterprise M855 series
HP Color LaserJet Enterprise flow MFP M880 series
HP Color LaserJet Managed MFP E77822-E77830 series
HP Color LaserJet Managed MFP E87640-E87660 series
HP Digital Sender Flow 8500 fn2
HP LaserJet Enterprise M506 series
HP LaserJet Enterprise 500 MFP M525 series
HP LaserJet Enterprise MFP M527 series
HP LaserJet Enterprise 500 color M551 series
HP LaserJet Enterprise 500 color MFP M575 series
HP LaserJet Enterprise 600 M601, M602, M603 series
HP LaserJet Enterprise M604, M605, M606 series
HP LaserJet Enterprise M607, M608, M609 series
HP LaserJet Enterprise MFP M630 series
HP LaserJet Enterprise MFP M631, M632, M633 series
HP LaserJet Enterprise 700 M712 series
HP LaserJet Enterprise MFP M725 series
HP LaserJet Enterprise 700 color MFP M775 series
HP LaserJet Enterprise M806 series
HP LaserJet Enterprise flow MFP M830z
HP LaserJet Managed MFP E72525-E72535 series
HP LaserJet Managed MFP E82540-E82560 series
HP Officejet Enterprise Color X555 series
HP Officejet Enterprise Color MFP X585 series
HP PageWide Enterprise Color 556 series
HP PageWide Enterprise Color MFP 586 series
HP PageWide Enterprise Color 765dn
HP PageWide Enterprise Color MFP 780, 785 series

Enhanced Syslog Security Event Messages

The following categories of syslog events are available for reporting to McAfee ESM SIEM.

NOTE: For a complete list of syslog event messages including message formats, go to the HP Security Event Logging Messaging Reference Guide (<http://h10032.www1.hp.com/ctg/Manual/c05120993>).

- Jetdirect logging messages
- Enhanced security event logging messages
- System time messages
- Remote control-panel messages
- User authentication for Sign-in and Sign-out messages
- User account lockout messages
- HP SureStart messages
- Whitelisting messages
- Intrusion Detection messages
- HP Connection Inspector messages
- Self-tests messages
- Secure erase messages
- IPsec messages
- SNMP decryption messages
- Job completion messages
- Backup and restore messages
- Device Configuration messages
- Non-enhanced security event logging messages

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