



HP FutureSmart Printer Integration for Splunk® Security Information Event Management Solution

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Introduction

HP FutureSmart printers provide event information through the standard Syslog server logging format. Advanced security logging events are now available through the “Enable CCC Logging” setting. This security event information can be sent to an active Splunk Security Information and Event Manager (SIEM) solution.

Detailed Description

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

- An active Splunk SIEM environment consisting of Splunk Enterprise server

HP FutureSmart Printer Configuration

Follow these steps to configure HP FutureSmart printers to send security logging information to the Splunk server:

1. Using the Web interface, access the supported HP printer through any Web browser. For example: `http:// <IP address of the printer>`.
2. Click the **Networking** tab and the **Advanced** sub-tab.
3. Enter the IP address of the Splunk server in the Syslog Server field.
4. Select the Enable CCC Logging checkbox to activate the logging of advanced security events.
5. Click Apply

Information General Copy/Print Scan/Digital Send Fax Troubleshooting Security HP Web Services **Networking**

Configuration
TCP/IP Settings
 Network Settings
 Other Settings
 AirPrint
 Select Language
 Security Settings
 Authorization
 Mgmt. Protocols
 802.1X Authentication
 IPsec/Firewall
 Announcement Agent
 Diagnostics
 Network Statistics
 Protocol Info
 Configuration Page

TCP/IP Settings

Summary Network Identification TCP/IP(v4) TCP/IP(v6) Config Precedence **Advanced**

Idle Timeout: 270 Seconds
 LPD Banner Page: Enable
 System Contact:
 System Location:

TCP/IP(v4)

Web Proxy
 Proxy Server:
 Proxy Server Port: 80
 Proxy Server User Name:
 Proxy Server Password:
 Proxy Server Exceptions List:

Use semicolons (;) to separate addresses.
 Default IP: Auto IP (169.254.x.x) (when BOOTP/DHCP/RARP servers are not available)

Send DHCP requests if IP address is Auto IP (169.254.x.x) or Legacy Default IP
 Use Stateless DHCPv4 When Manually Configured
 Enable DHCPv4 FQDN compliance with RFC 4702
 SLP Client-Mode Only

Hop Limit/WSD: 32
 TTL/SLP: 4

3 Syslog Server: 192.168.1.17
 Syslog Protocol: UDP
 Syslog Port: 514
 Syslog Maximum Messages: 1000
 Syslog Priority: 7 (Use '8' to disable.)

4 Enable CCC Logging

5

Apply Cancel

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Information General Copy/Print Scan/Digital Send Fax Supplies Troubleshooting Security HP Web Services **Networking**

Configuration
TCP/IP Settings
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 Select Language
 Google Cloud Print
 Setup
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TCP/IP Settings

Summary Network Identification TCP/IP(v4) TCP/IP(v6) Config Precedence **Advanced**

Send DHCP requests if IP address is Auto IP (169.254.x.x) or Legacy Default IP
 Use Stateless DHCPv4 When Manually Configured
 Enable DHCPv4 FQDN compliance with RFC 4702
 SLP Client-Mode Only

Hop Limit/WSD
 32
 (Seconds)

TTL/SLP:
 4

3 Syslog Server: 192.168.1.17
 Syslog Protocol: UDP
 Syslog Port: 514
 Syslog Maximum Messages: 1000
 Syslog Priority: 7
 (Use '8' to disable.)

4 Enhanced security event logging

5

Apply Cancel

Supported HP FutureSmart Printers

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

Printer Models

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
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 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, M682z
HP Color LaserJet Enterprise M750 series
HP Color LaserJet Enterprise M855 series
HP Color LaserJet Enterprise flow MFP M880 series
HP Digital Sender Flow 8500 fn2 Document Capture Workstation
HP ScanJet Enterprise Flow N9120 Document Flatbed Scanner
HP LaserJet Managed E500XX series
HP LaserJet Managed E600XX series
HP LaserJet Managed MFP E525XX series
HP LaserJet Managed MFP E625XX series
HP LaserJet Managed MFP E725xx Series
HP LaserJet Managed MFP E825xx Series
HP Color LaserJet Managed E550xx series
HP PageWide Managed Color E556xx series
HP PageWide Managed Color E751xx series
HP Color LaserJet Managed MFP E575xx Series
HP Color LaserJet Managed MFP E675xx Series
HP PageWide Managed Color MFP E776xx Series HP Color
LaserJet Managed MFP E778xx Series

Enhanced Syslog Security Event Categories

The following categories of syslog events are available for reporting to the Splunk SIEM.

Note:

For a complete list of syslog event messages including message formats, please see the

[HP Security Event Logging Messaging Reference](#)

(<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

hp.com/go/support

Current HP driver, support, and security alerts
delivered directly to your desktop

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