

Make Threat Response Instantaneous with Xerox, McAfee and Cisco

Protecting multifunction printers and your network with
comprehensive security.

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Time is a critical factor in cybersecurity.

While other networked print devices use a fractured, manual approach to cybersecurity, Xerox® multifunction printers (MFPs) employ an orchestrated response that neutralizes threats at their source the moment they occur.

By augmenting our embedded security technologies with the market-leading McAfee® DXL and Cisco® pxGrid platforms, Xerox® MFPs allow you to:

- Gain insight into access and threats
- Automatically manage and enforce enterprise security policies
- Eliminate delays and address threats in real time
- Break up silos and cut down on security blind spots

Introducing a more sophisticated approach to cybersecurity.

How Our Orchestrated Response Works

- When the Xerox® MFP* detects a threat, McAfee® Embedded Control whitelisting technology stops the attack at its source.
- The MFP sends an alert of the attack to McAfee® ePolicy Orchestrator (ePO).
- McAfee® ePO communicates the event to Cisco® Identity Services Engine (ISE) over the DXL/pxGrid framework.
- Cisco® Authentication Service takes the affected device off the network until the extent of the attack can be completely evaluated.



Comprehensive network visibility of endpoints and threat response

Use Case 1 – Automated Response to Threat

Normal Usage



- Known users
- Approved tasks



Xerox® Multifunction Printer (MFP)* with McAfee® Embedded Control



Known Files and Software



Policy Compliance

- Config attributes
- Software version
- Port settings



- Email
- Xerox® CentreWare® Web
- Xerox® Device Manager

- 1 – MFP detects potential threat (e.g., unknown user, malicious act, polymorphic zero-day attack)
- 2 – MFP's whitelisting technology prevents attack and logs event
- 3 – MFP sends alert of event to McAfee® ePO

Attacks



- Unknown users
- Malicious acts
- Polymorphic zero-day attacks



1



Xerox® Multifunction Printer (MFP)* with McAfee® Embedded Control



Unknown Files and Software
Whitelisting technology allows only approved software to run



2



Alerts

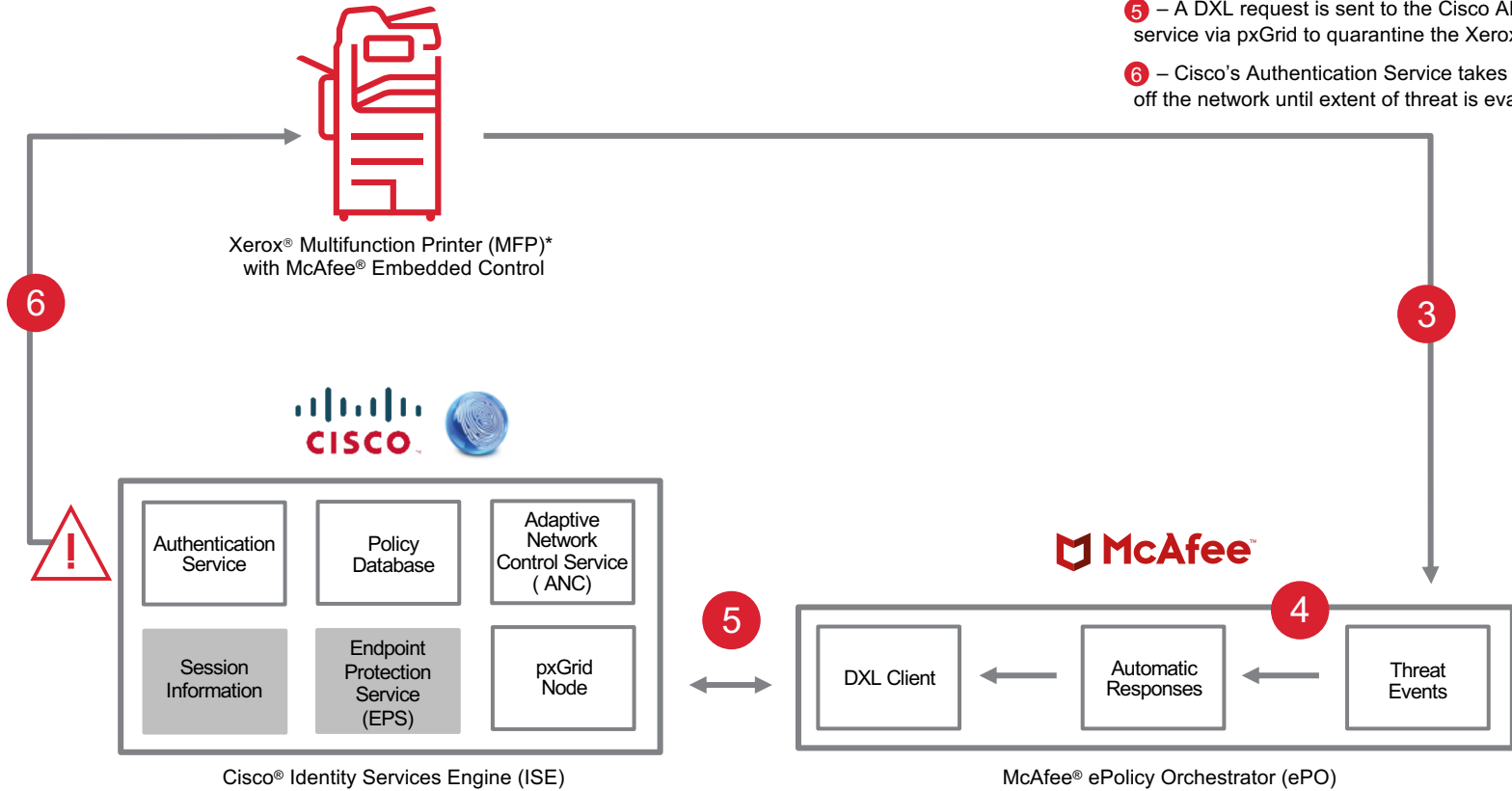


3



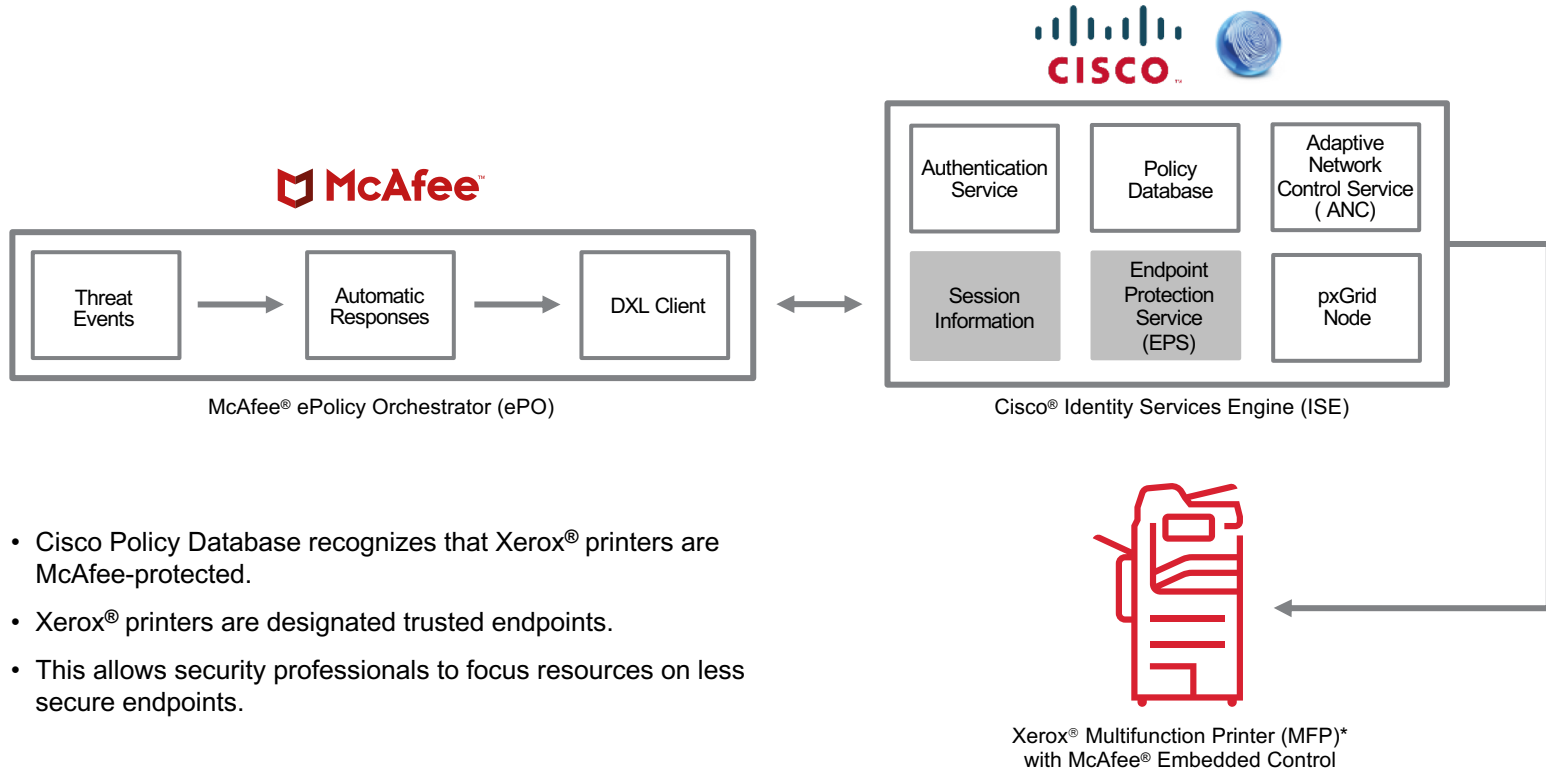
McAfee[™]
ePolicy Orchestrator

Use Case 1 – Automated Response to Threat (continued)



- 3 – MFP sends alert of event to McAfee® ePO
- 4 – ePO Automatic Response is triggered to DXL
- 5 – A DXL request is sent to the Cisco ANC service via pxGrid to quarantine the Xerox® MFP
- 6 – Cisco's Authentication Service takes the MFP off the network until extent of threat is evaluated

Use Case 2 – Xerox® Devices Are Trusted Endpoints



- Cisco Policy Database recognizes that Xerox® printers are McAfee-protected.
- Xerox® printers are designated trusted endpoints.
- This allows security professionals to focus resources on less secure endpoints.

Behind-the-Scenes Enablers

- Xerox® MFP has McAfee® Agent & Embedded Control
- McAfee® DXL Brokers configured to bridge to Cisco® pxGrid
- Bidirectional communication between fabrics
 - Session notifications and ISE-related services
 - Adaptive Network Control (ANC) messages and related notifications
 - New Automatic Response within ePO that invokes ANC/EPS services (quarantine, etc.)
- pxGrid messages and services available to OpenDXL clients
- OpenDXL Cisco® pxGrid Python Client

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 **McAfee™**
Together is power.


CISCO™

Additional Resources

- Xerox® ConnectKey® State-of-the-Art Security:
<https://www.xerox.com/en-us/connectkey/printer-security>
- Lock down printer security with McAfee:
<https://www.xerox.com/en-us/connectkey/insights/mcafee-security>
- Xerox partnership with Cisco on security policy management and enforcement:
<https://www.xerox.com/en-us/connectkey/insights/cisco-ise-printers>

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