DEFEND YOUR DEVICES, DATA, AND DOCUMENTS

Critical gaps can occur at multiple points within your imaging and printing environment. Once you understand these vulnerabilities, you can more easily reduce the risks.

Protect your environment

Management
Undetected security gaps put data at risk

Network
Jobs can be intercepted as they travel to/from a device

Ports and protocols
Unsecured ports (USB or network) or protocols (FTP or Telnet) put devices at risk

Protect your device

Control panel
Users can exploit device settings and functions

Default password
Printers can come with simple default passwords that can be easily compramised

BIOS and firmware
Compromised firmware can open a device and network to attack

Protect your data

Storage media
Printers store sensitive information that can be at risk

Capture
Unsecured MFPs can be used to send scans anywhere

Output tray
Abandoned documents can fall into the wrong hands

IMAGING AND PRINTING VULNERABILITY POINTS

Protect your device

HP Secure Boot
The BIOS is a set of instructions used to load critical hardware components and initiate firmware during startup. Thanks to HP Secure Boot, the integrity of the code is validated at every boot cycle—helping to safeguard your device from attack.

Whitelisting
Whitelisting automatically checks the firmware during startup to determine if it is authentic and digitally signed by HP. If an anomaly is detected, the device shuts down and notifies IT.

HP Connection Inspector
The HP Connection Inspector inspects outbound network connections typically abused by malware, determines what is normal and stops suspicious activity. If the printer is compromised, it will automatically trigger a system restart.

HP Trusted Module Platform (TPM)
The HP Trusted Platform Module (TPM) strengthens protection of encrypted credentials and data stored on your printer or MFP.

Unique Admin Password
All printers have a unique admin password by default, so your printer is always password protected even without setup.

LDAP/Kerberos user authentication
These protocols allow authentication of the printer user through the company directory to ensure that the user only accesses authorized options and information.

Role Based Access Control
Role Based Access Control allows the administrator to restrict user access to sensitive areas and settings of the printer by configuring different roles and assigning them to such users.

Security event logging
Provides full visibility to quickly detect malicious threats. The security log records each event as defined by the audit policies set on each object.

Protect your documents

Pull printing
Celiveo Enterprise is a fully integrated secure printing and tracking solution.[1]
This access control-based function has end-to-end tracking and reporting to protect sensitive information and media, and reduce unclaimed print jobs.
It helps boost productivity and keeps abandoned documents from falling into the wrong hands. HP DesignJet large-format printers are also compatible with other third-party pull printing solutions.

Encrypted PIN printing
When users send confidential print jobs, they can assign a PIN to the document on the printer driver. The document will then be held in the printer until the user enters the PIN into the device. This way users can be sure their confidential documents won't be left unattended. With encrypted PIN printing, document data is encrypted when the document is sent to the printer to protect document confidentiality through the network.

Protect your printing environment

Update devices with the latest firmware/OS
HP JetAdvantage Security Manager helps you reduce cost and resources to establish a fleet-wide security policy, automate device settings remediation, and install and renew unique certificates.[2] The Instant-on Security feature included with HP JetAdvantage Security Manager automatically configures new devices when added to the network or after a reboot.

Compliance audit reporting of print fleet security
Use HP JetAdvantage Security Manager to create proof-of-compliance reports that demonstrate the application of security policies to printers and the securing of customer data.

Compliance infringement can hurt your business
Unprotected or under-protected endpoints create more opportunity for cybercrime. To help counter the growing threat, government bodies across the globe are implementing strict security regulations that require organizations to better protect customer information. It's crucial to deploy devices and solutions—like HP DesignJet printers and HP JetAdvantage Security Manager—that can help you meet compliance requirements and protect your business information from security threats.

Protect your data

At rest

Self-encrypted hard drive
Protects sensitive business information stored on the hard drive with built-in encryption.

Secure File Erase
Ensures that no data are left behind in the printer after your files are deleted from the hard disk.

Secure Disk Erase
Erases all information from the printer's hard disk, making it impossible to recover sensitive data.

In transit

Encrypted communications
Standard encryption protocols 802.1x or IPSec use encrypted network standards to protect data traveling over the network.

HP printer portfolio

	HP DesignJet T730 Printer	HP DesignJet T830 MFP series	HP DesignJet T1600 Printer series	HP DesignJet T1700 Printer Series	HP DesignJet T2600 Printer Series	HP DesignJet XL 3600 Printer Series	HP DesignJet Z6 & Z9+ Printer Series	HP DesignJet Z6810 Printer	HP PageWide XL Printers
DEVICE									
HP Secure Boot			●	●	●	●	●		●
UEFI Secure Boot			●	●	●	●	●		●
Connection inspector									●
Whitelisting			●		●	●	●		●
Unique admin password									●
TPM			●		●	●			●
LDAP/Kerberos User Authentication			●		●	●			●
Role Based Access Control			●	●	●	●	●		●
Front Panel Access Lock			●	●	●	●	●	●	●
Security event logging			●		●	●			●
SNMP v3 compatibility	●	●	●	●	●	●	●	●	●
DATA									
Self-encrypted HDD	n/a	n/a	●	●	●	●	●	●	●
No HDD	●	●							
IPSec compatibility			●	●	●	●	●	●	●
TLS/SSL	●	●	●	●	●	●	●	●	**SSL Only** ●
Secure File Erase			●	●	●	●	●	●	●
Secure Disk Erase			●	●	●	●	●	●	●
802.1x compatibility	●	●	●	●	●	●	●		●
NTLMv2	n/a	●	●		●	●			●
Encrypted PIN printing			●		●	●			●
IPv4 & IPv6 compatibility	●	●	●	●	●	●	●		●
CA/JD certificates	●	●	●	●	●	●	●	●	●
Disable interfaces	●	●	●	●	●	●	●	●	●
DOCUMENT									
PIN printing			●	●	●	●	●		●
Integrated Celiveo Enterprise Solution			●	●	●	●	●		●
Integrated API Netgard® MFD			●	●	●	●	●		●
FLEET SECURITY MANAGEMENT									
HP Web JetAdmin [3]	●	●	●	●	●	●	●	●	●
HP JetAdvantage Security Manager	●	●	●	●	●	●	●	●	●
SIEM integration			●		●	●			●

Printers that protect, detect, and recover

HP Large Format Printers

Designed to help reduce risk, improve compliance, and protect your network end-to-end, HP Large Format printers provide embedded features and add-on solutions that can help you defend your printers and network.

HP DesignJet XL 3600 MFP series

The most immediate, robust,[4] MFP for demanding environments.

For more information, please visit:
HP DesignJet XL 3600 MFP series

HP DesignJet T2600 MFP series

A seamless experience for unprecedented collaboration, with the best network protection.[5]

For more information, please visit:
HP DesignJet T2600 MFP series

HP DesignJet T1600 Printer series

Meet deadlines with the fastest print speed, and with a radically simple printing experience.

For more information, please visit:
HP DesignJet T1600 Printer series

HP PageWide XL Printer series

The fastest large-format printing. High quality printing quality made simple and secure.

For more information, please visit:
HP PageWide XL Printer Series

HP DesignJet T1700 Printer series

Empowering HP DesignJet printer for CAD/GIS workgroups.

For more information, please visit:
HP DesignJet T1700 Printer series

HP DesignJet Z6 PostScript® Printer series

High-definition prints, fast.
More quality with fewer inks.

For more information, please visit:
HP DesignJet Z6 PostScript® Printer series

HP DesignJet Z9+ PostScript® Printer series

Professional photo prints fast, simple.
More quality with fewer inks.

For more information, please visit:
HP DesignJet Z9+ PostScript® Printer series

1. The HP DesignJet T1700 Printer series, Z9+ and Z6 PostScript® Printer series, and, HP Pagewide XL printers include the fully integrated Celiveo Enterprise solution. 2. HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager. 3. HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin. 4. Based on comparable printers using LED technology and capable of printing 4-6 D/A1 pages per minute and which represent more than 70% of the share of low-volume LED printers in the US and Europe according to IDC as of November, 2018. Fastest first page out and up to 10 times less energy consumption based on internal HP testing for specific use scenarios. Operational costs based on low-volume LED technology under $17,000 USD in the market as of November, 2018. Operational costs consist of supplies and service costs. For testing criteria, see hp.com/go/designjetxlclaims. 5. Applicable to the HP DesignJet T1700 Printer series, HP DesignJet Z9+ PostScript® Printer series, and HP DesignJet Z6 PostScript® Printer series, HP DesignJet XL 3600 Multifunction Printer series, HP DesignJet T2600 Multifunction Printer series, and HP DesignJet T1600 Printer series. Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

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