



A new era of printing introduces new security challenges. Today's multi-functional printers have numerous vulnerabilities:

- Imaging and printing devices often store sensitive information—and are often unsecured.
- Firmware can become compromised during startup or while the device is running
- Unauthorized users can access the device through unsecured protocols
- Unsecured cloud connections can expose sensitive data
- Print jobs can be intercepted as they travel over the network

Fortunately, you can defend your devices through simple steps, such as:

- Relying on embedded security features such as whitelisting and run-time intrusion detection to protect against attack
- Disabling physical ports to prevent unauthorized use
- Verifying that device updates are code signed to protect against malware
- Adding security controls such as smart cards, biometric solutions, or LDAP authentication for printing devices
- Ensuring that data access controls extend to the cloud

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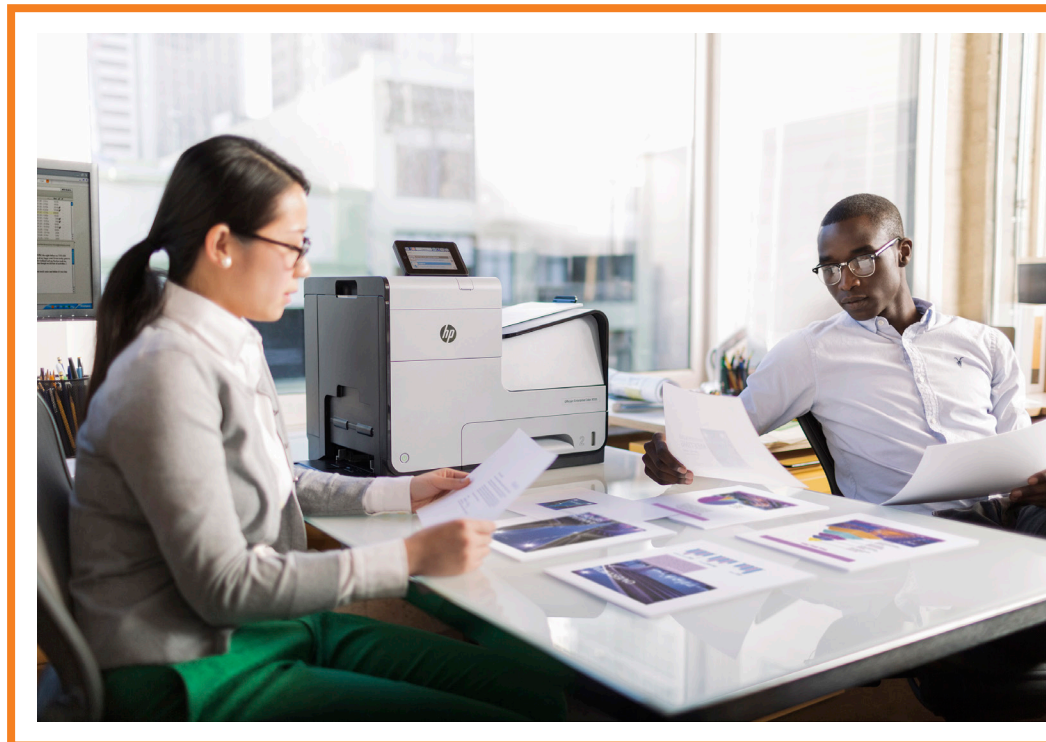
## Print and Compute Security with HP Printers

### *A multi-faceted approach to securing printing devices*

Today's printers offer many conveniences. We can scan documents, save data, print remotely, and more. Yet, all these new capabilities introduce more opportunities for exposure to security breaches and malware. As any IT manager has seen, these incidents can be very costly indeed. On average, businesses spend more than half a million dollars to recover from an attack.<sup>1</sup> According to the report that yielded this statistic, major consequences of breaches—including loss of access to business critical information, damage to the company's reputation, and temporary loss of ability to trade—were highlighted.

Securing printers doesn't have to be a burden. HP Printers make it easy to deploy an end-to-end imaging and printing security strategy, enabling you to protect:

- Imaging and printing fleets
- Printing from mobile devices
- Data in transit and at rest
- Printed documents



### HP Pro offers strong protection

The latest HP Pro devices offer a unique set of capabilities for the most advanced security today, enabling you to:

- Check the integrity of boot code at every boot cycle and protect devices against any code that has been compromised
- Validate firmware updates before they are loaded and protecting the device against any irregularities
- Preventing the introduction of malware while devices are in use, through write-protected run-time code memory

### HP Enterprise devices provide highest printer security

Today's HP PageWide and LaserJet printers offer a novel set of capabilities that not only keep out attacks, but also automatically remediate issues. This alleviates the burden on the IT team, who are kept apprised of any issues through Security Information and Event Management tools. HP Enterprise printer security capabilities include:

- Whitelisting to ensure only authentic code is loaded into memory
- HP Sure Start to validate the integrity of the BIOS code at the boot cycle
- Run-time intrusion detection to protect devices while they're in use and connected to the network—which is when they are most commonly attacked

### Add-on capabilities

HP offers an impressive array of print security capabilities that enable you to:

- Allow secure printing from smart phones and tablets
- Store print jobs on a protected server in the cloud
- Prevent tampering and alteration of sensitive documents

### Neoscope and HP solutions

Neoscope can perform all IT functions for your organization, or can augment and support your existing IT team. The company's certified IT professionals have developed advanced tools and processes that keep your essential systems up and running smoothly while reducing IT costs. Neoscope attained Silver Status in the HP PartnerOne Partner Program, giving its clients access to exclusive benefits and discounts on desktops, printers, laptops, and more.



**Contact Neoscope today at 603-505-4902 to learn how we can provide your printing devices against the latest security threats.**

<sup>1</sup>IT Security Risks Special Report, "Damage Control: The Cost of Security Breaches," Kaspersky Lab, Sept 2015

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