Securing Printers Guidelines

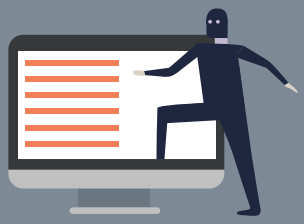
4 Keys to Securing Your Printer

Your printers can be a gateway to your network, your data, your users and all networked devices. By implementing a few practices, you may be able to avoid spending the time and resources needed for innovation and digital transformation on rebuilding after a breach or attack.

Safeguard four printer elements to focus on transformation instead of recovery:

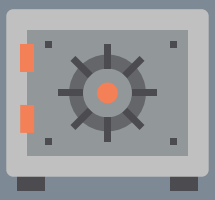
Network

- Create a firewall rule or configure network traffic at the router.
- Disable unused communication ports.
- Enable Wi-Fi Protected Access (WPA) Security, and then secure Bluetooth, Near Field Communication (NFC) and Wi-Fi Direct.
- Deploy IEEE 802.1X port security if you handle sensitive data.



75%

of data breaches are caused by external attackers.[1]



Cybercrime damage costs to hit $6 trillion annually by 2021.[2]

43%

of companies have an encryption strategy deployed across their enterprise.[3]

Data

- Encrypt all data at rest using HDD or third-party software.
- Encrypt data in transit with network-level encryption, such as Internet Printing Protocol (IPP)

Device

- Place printers in secure areas with group policies.
- Make sure employees do not leave printouts unattended.
- Secure HDD/RAM with removable HDDs and enable secure file erase.
- Disable unused physical ports.
- Apply security patches regularly, including firmware and non-native software.

97%

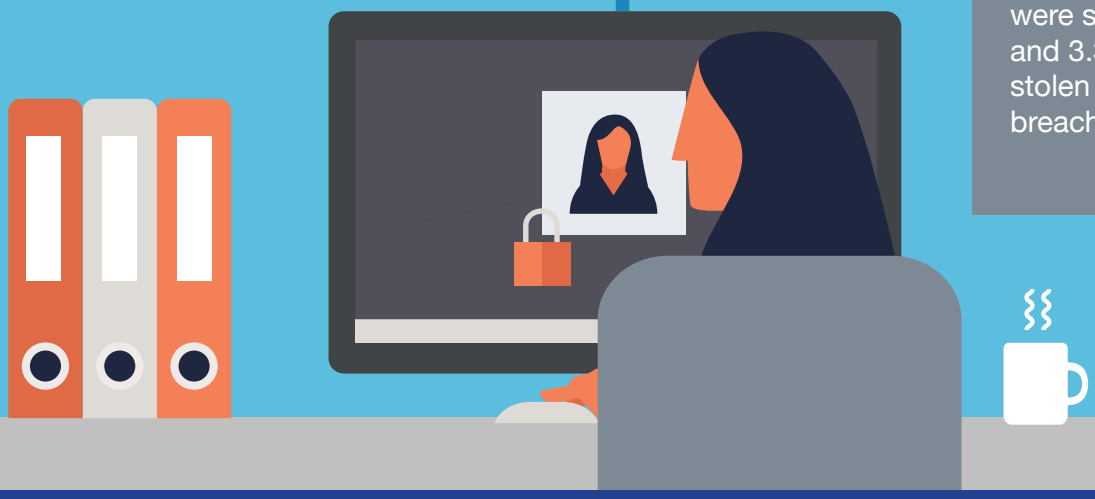
of organizations felt that unsecured IoT devices - including printers - could be catastrophic to the organizations. Only 29% actively monitor for risks.[4]

Using stolen credentials was the top cause of data breaches.[5]

A Google study revealed that 12 million credentials were stolen from phishing and 3.3 billion credentials stolen during third-party breaches.[6]

User Identity

- Actively authentic users.
- Change default printer passwords.
- Require employees to create strong and unique passwords.
- Use two-factor authentication.



Sources:

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