



HP WOLF SECURITY

Are you concerned about printer security?





Today's HP team



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Megatrends are Accelerating in the new normal

SIMPLICITY AS A SERVICE

8M

Subscribers for Ink
Delivery Services

59%

ITDMs say buying model
shifting to contractual
due to COVID-19

DIGITAL ACCELERATION

69%

Medium and Enterprise
organizations digitizing
workflows post COVID-19

70%

ITDMs believe security
vulnerabilities are
increased post COVID-19

RESPONSIBLE TECHNOLOGY

67%

Customers rate
sustainability as important
when making a purchase

87%

Customers consider
environmental impact as
important when buying a printer



Et par eksempler fra den virkelige verden



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The image shows two overlapping website screenshots. The top screenshot is from Forbes, featuring a large headline: "Nearly A Million Printers At Risk Of Attack, Thousands". The bottom screenshot is from CyberNews, featuring a headline: "We hijacked 28,000 unsecured printers to raise awareness of printer security issues".

Forbes

Support T... Available for everyone

HOME

Busin

Nearly A Million Printers At Risk Of Attack, Thousands

EDITORS PICK | 1,000 NEWS | AUG 31, 2020, 11:02AM EDT

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Home » Security » We hijacked 28,000 unsecured printers to raise awareness of printer security issues

We hijacked 28,000 unsecured printers to raise awareness of printer security issues

by CyberNews Team — August 27, 2020 in Security 8



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ENDPOINT SECURITY IS MORE IMPORTANT THAN EVER



A remote workforce leads to more vulnerabilities

400%

Increase in cybercrimes post Covid



Endpoints are a critical component of security strategy

70%

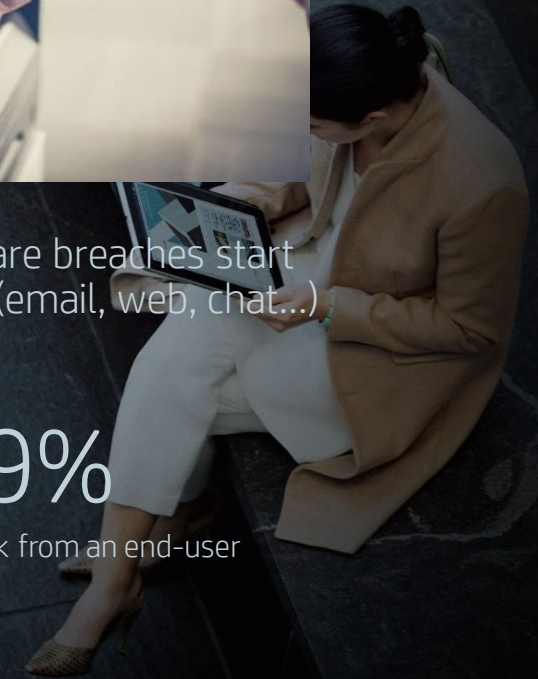
Of successful breaches start with endpoint devices



Endpoint malware breaches start with a user click (email, web, chat...)

99%

Caused by a click from an end-user





Har din virksomhed styr på sikkerheden?



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11%

of security incidents reported by organizations over the past year were print-related*

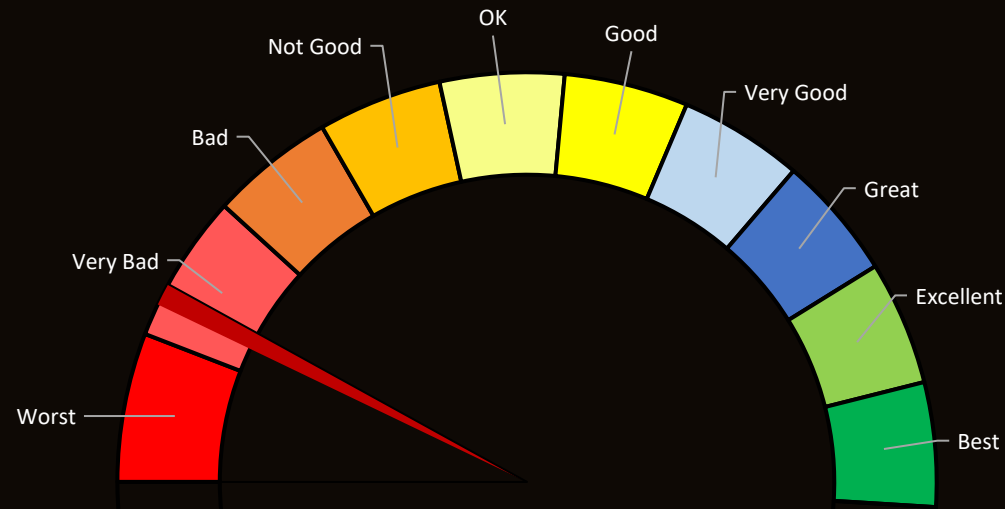
59%

of organizations reported a print-related data loss incident in the past year (70% for retail)*

SECURITY RATING

22%

of organizations monitor printer syslogs (just 13% connect printers to SIEM tools)*



\$13M

average annualized cost of cybercrime*



Har din virksomhed styr på sikkerheden?



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Hvem har ansvaret for IT-sikkerhed i din virksomhed?

- PC?
- Print?

Hvordan holder I jer opdateret når der kommer ny firmware til jeres printere?

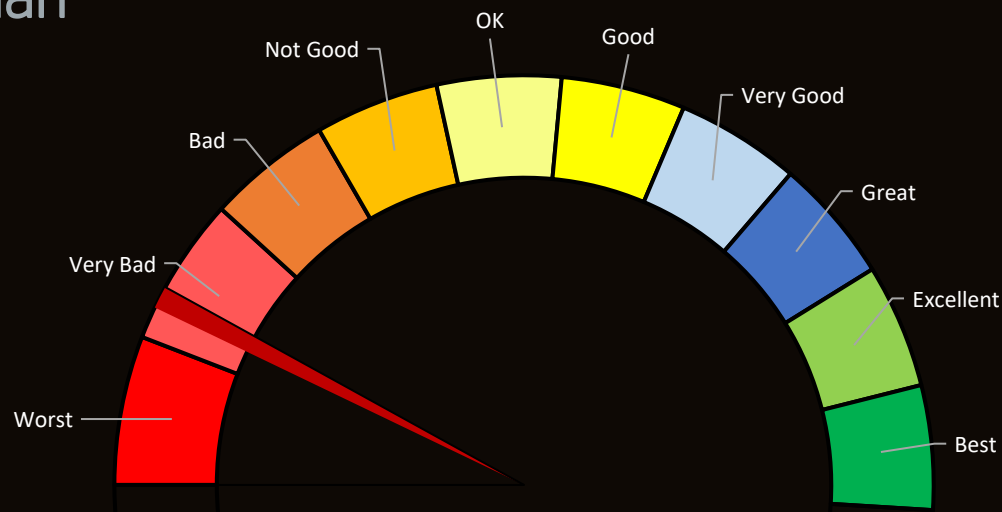
Er der porte åben, som der ikke er brug for?

Er processerne på plads?

Er der defineret en sikkerheds politik på print?

Er I compliant og hvordan viser I det?

SECURITY RATING





Hvad er IT sikkerhed?



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Trust/Tillid

- Fortrolighed
- Integritet
- Tilgængelighed





Sikker Hardware



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Hardware

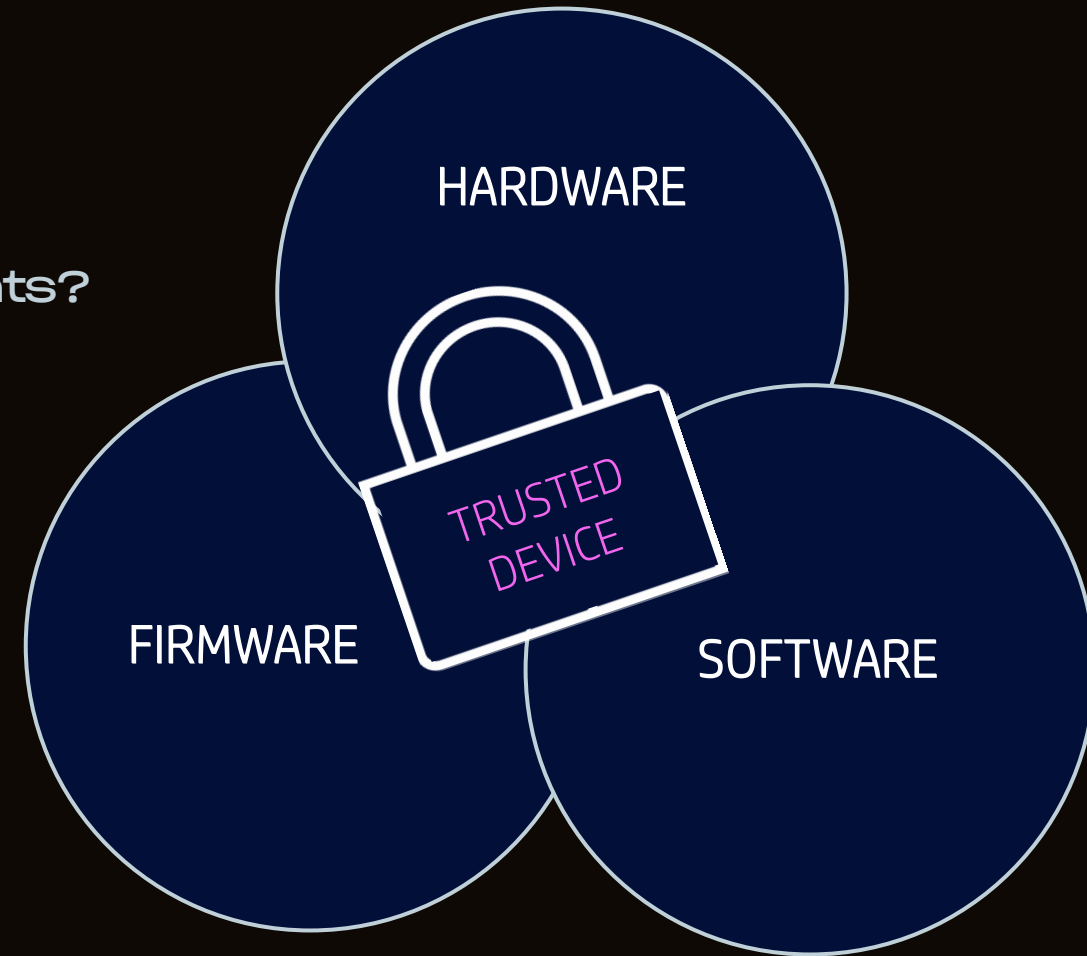
- Trusted manufacturer?
- Hardware root of trust?
- Supply chain security for components?

Firmware or OS

- Protected firmware?
- Signed code?
- Intrusion detection?

Software

- Approved, verified and validated applications?
- External cloud communications?

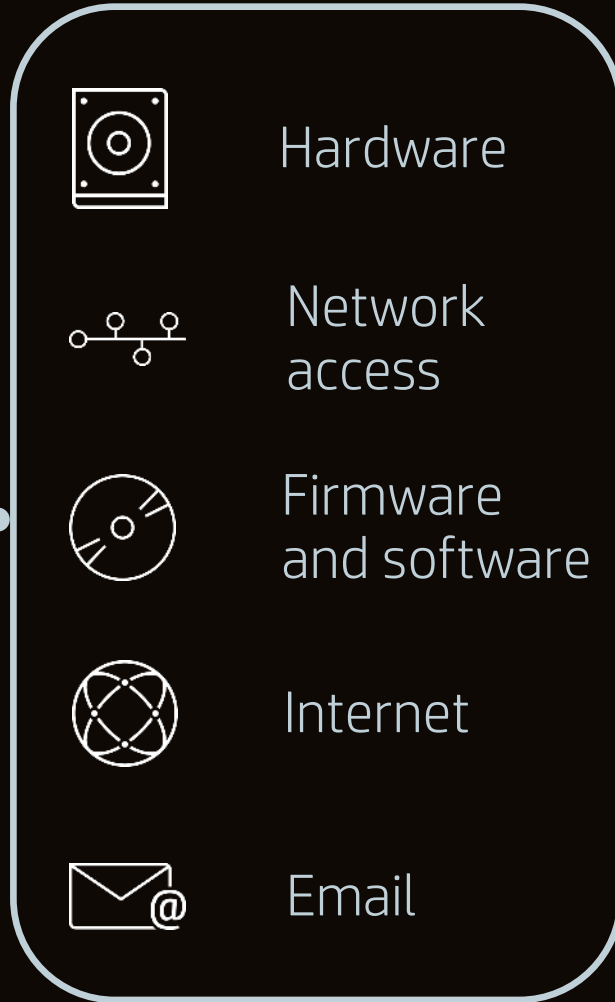




Endpoint Devices



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Sikkerhed i flere lag



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HP Sure Start

- BIOS protection

Whitelisting

- Only approved Firmware and software can be installed

Run-Time Intrusion Detection

- Monitor unusual memory use

HP Connection Inspector

- Monitor outbound suspicious data packets



Security Information Event Management tool



250+ Indstillinger

Device discovery

Web Services Discovery (WS-Discovery)

Send to e-mail authentication

Link-Local Multicast Name Resolution Protocol

Send to folder authentication

Admin (EWS) password

Credentials

File Transfer Protocol

Bootloader password presence

Internet Printing Protocol

Job storage authentication

File system access protocols

Authentication services

LDAP Server Authentication

Restrict Addresses

802.1x Authentication

Bonjour

Service Location Protocol (SLP)

Device control

Direct connect ports

Control panel lock

FTP Firmware Update

Network Services

Remote Firmware upgrade

Printing

Maximum attachment size

Fax speed dial lock

File erase mode

Novell remote configuration

Telnet

Novell (IPX/SPX)

TCP/IP Printing (P9100)

SNMPv1/v2

SNMPv3

Public username

Fax PIN

PJL password

Authentication

Credential type

Email

Allow return email address change

File system password

Device PIN presence

Secondary email authentication



Security Policy



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- Certificate
- Protecting hard drives
- Keeping firmware updated
- Close ports and protocols



- Complying with industry and government regulations?



- Authentication and role-based access control
- Software & Applications
- Limit function to what is needed



- Configuring interfaces and credentials?
- Managing admin passwords?
- Printer threat notifications sent to SIEM tools





Install/Configure Devices

Manual process



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Add Devices



Check Firmware



Configure devices



Install certificate



Maintain security settings





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Compliant?

Ready for audit?

Actual print fleet status?

Risk?





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HP Security Manager



Create/review
policy



Add
devices



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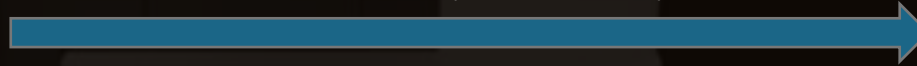


Add Devices

HP Device



Built-in device agent automatic finds HP Security Manager server when plugged into network, rebooted, reset etc.



HP Security Manager Server



Device reflection

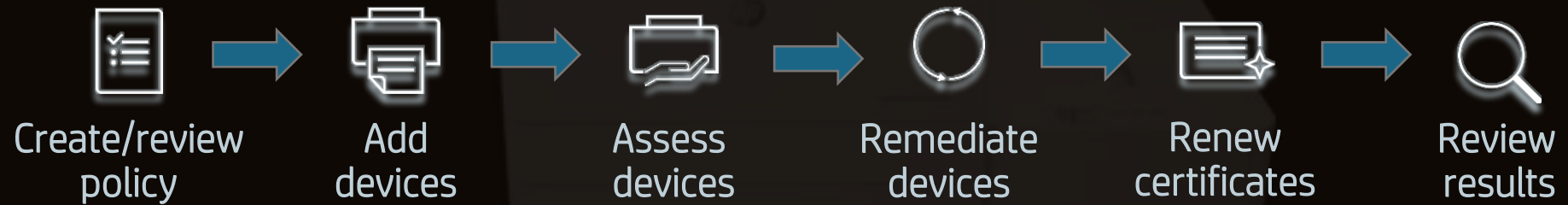
HP Web Jet Admin Server





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HP Security Manager





Review results

Policy Items Assessed Summary

Assessed Status by Policy Items

The **Assessed Status** This chart evaluates the security settings with all policy items assessed across devices in Security Manager.

Assessed Status by Feature Category

The **Feature Category** This chart breaks down the policy item's assessed results into four security feature categories.

is of fleet under Security Manager for given period.

21

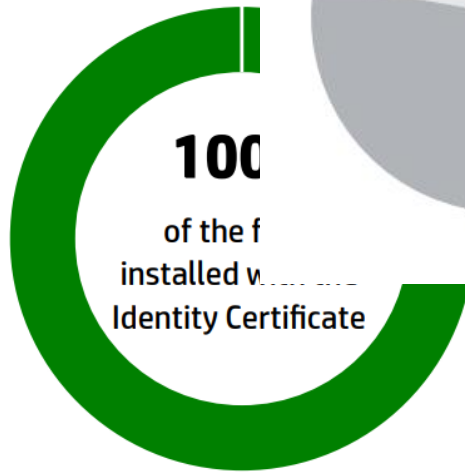
Status

ware is the latest one

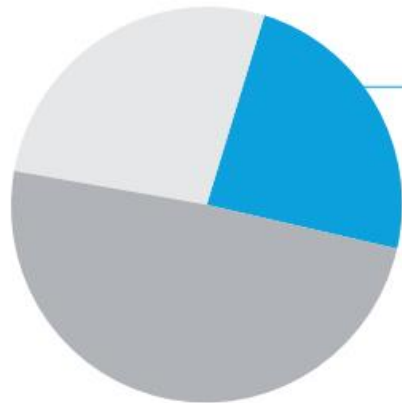
Identity Certificate Asses

This chart presents compa

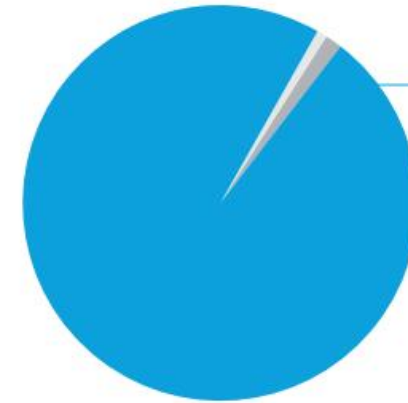
18 aug 2021



Before HP Security Manager



After HP Security Manager



Not Assessed

0,00% (0)

3,28% (2)

15 nov 2021

61

96,72% (59)

0,00% (0)



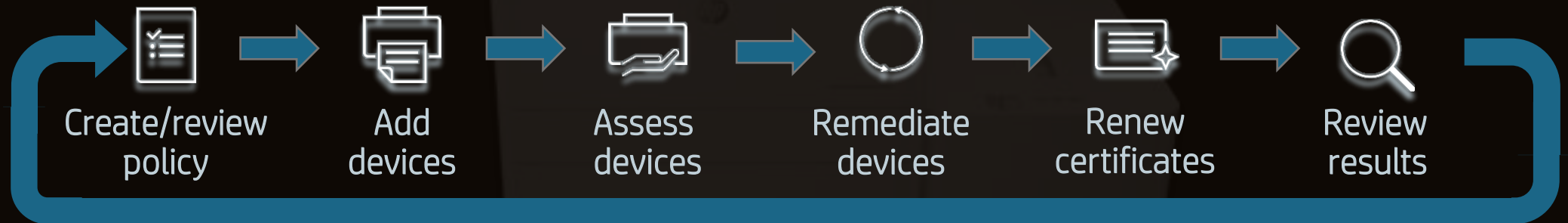
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HP Security Manager

Instant-On Secure at Install

Instant-On Stay Secure

Compliance Reporting





Kunde case



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Sikkerhedspolitik på print
Security manager (Compliance, push
sikkerhedsindstillinger, sikkerhedsstatus,
rapportering)

Firmware opgraderings
proces

Hvad har de opnået: Compliant, passende sikkerheds
niveau og undgår mange manuelle processer



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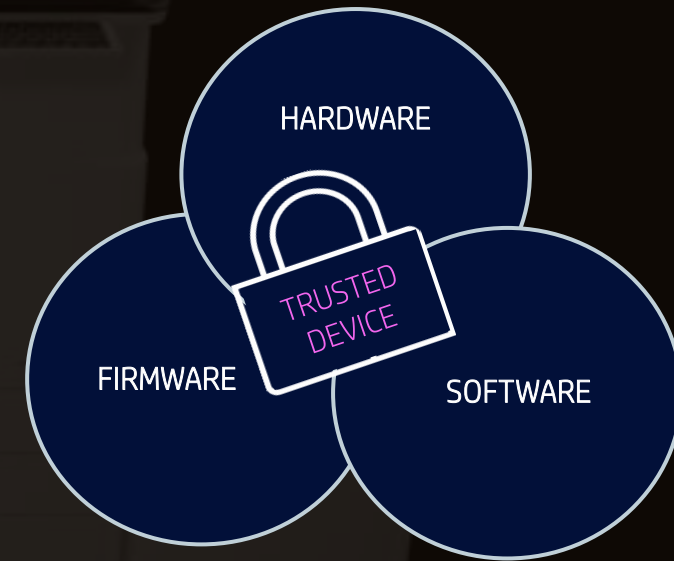
HP print sikkerhed

Printere skal klassificeres og behandles som alle andre end-point enheder

Automatiser sikkerheds processer

Compliance Reporting

Firmware opdatering



HP Security Manager



Hvis I vil vide mere kontakt:

Jeres HP forhandler

eller

Jeres HP account
manager



Se mere på: www.PrintBedre.dk



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Q&A





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THANK YOU

