

Cyber-Angriffe durch Vermeidung von Netzwerk-Schwachstellen eindämmen

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Automating Patch Management

THE REALITY OF DATA BREACHES

DATA RECORDS COMPROMISED IN 2017

2,600,968,280

7,125,940 records lost or stolen every day



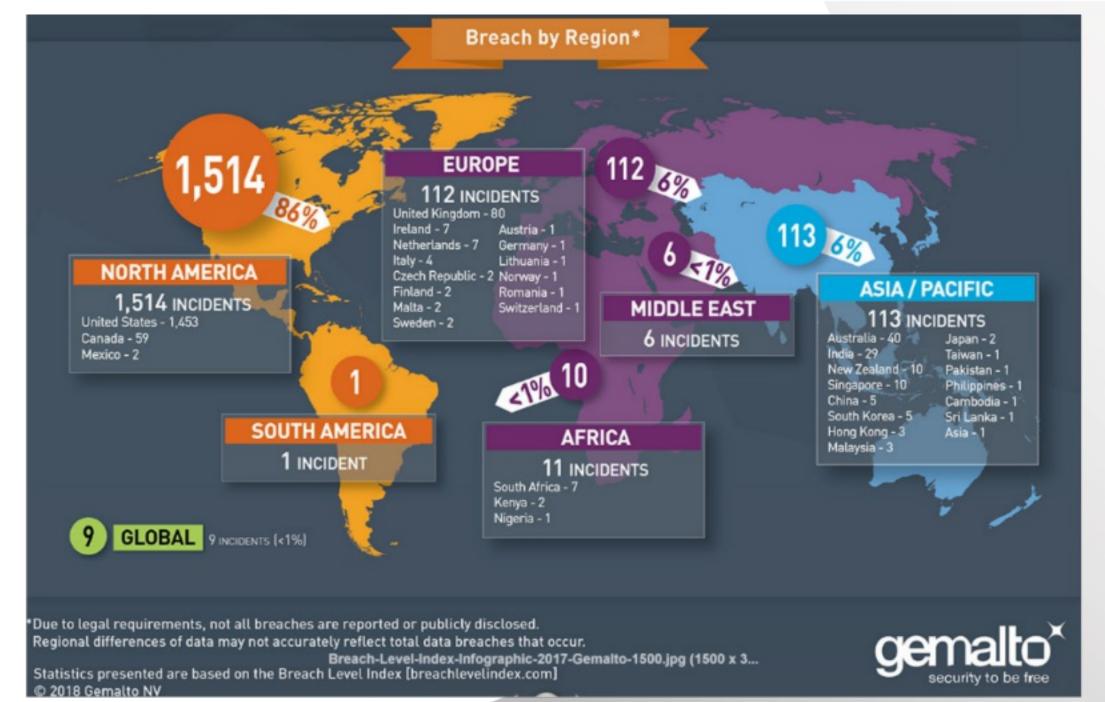
296,914 records every hour



4,949
records
every minute



LESS THAN 400 of breaches were "Secure Breaches" where encryption rendered the stolen data useless



Number of Breach Incidents by Industry





Over 4,000 ransomware attacks occur every day

Source: Computer Crime and Intellectual Property Section (CCIPS)





The lobby





Andrew Tinits

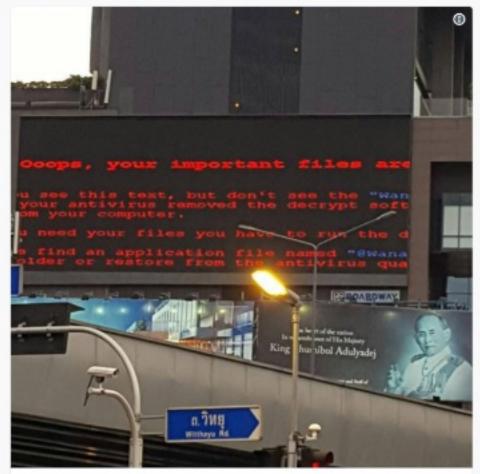
@amtinits

Wow, even in my building lobby! #WannaCry #ransomware

4:27 AM - May 13, 2017 Waterloo, Ontario

C 658 C 621 people are talking about this

A billboard in Thailand





Don't worry boss, no-one outside the company will ever know we were hit by #WannaCry

3:43 AM - May 15, 2017

962 925 people are talking about this

Parking machines in UK and Netherlands



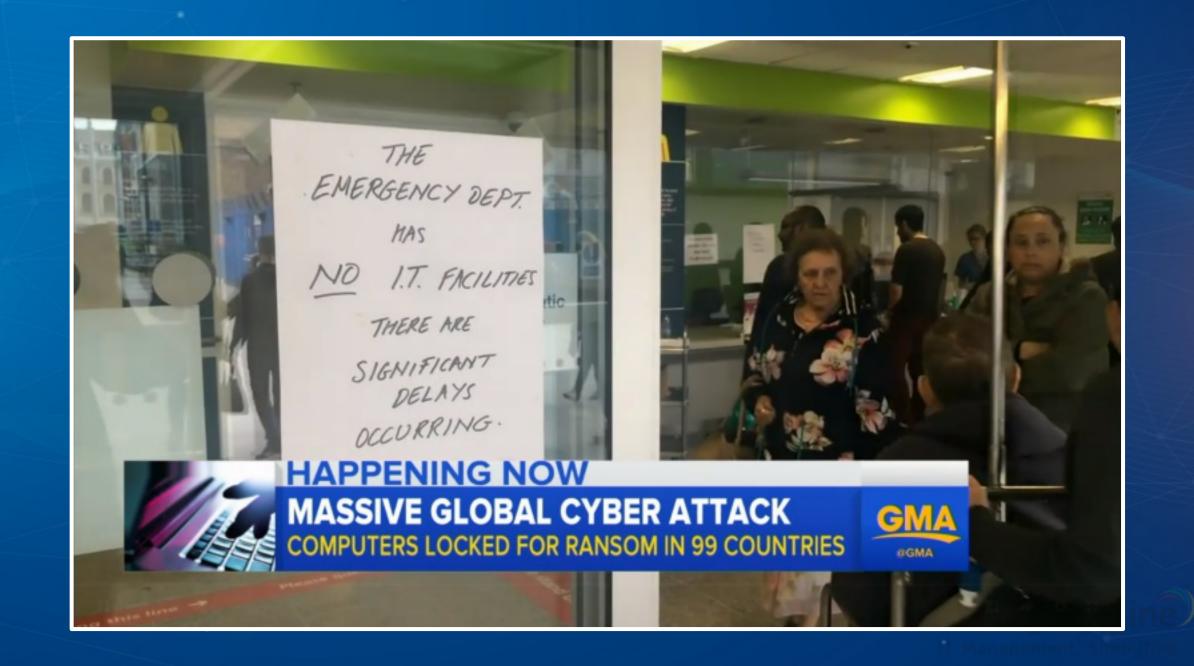


Ook de automaten van #Qpark zijn inmiddels gehackt.

11:13 PM - May 13, 2017







NHS Trust

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GPs & Professionals

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Our Hospitals

- ▶ Hertford County
- Lister
- Mount Vernon Cancer Centre
- ▶ New QEII



East and North Hertfordshire NHS Trust

CQC overall rating

Requires improvement

5 April 2016

See the report >

Quick Links

- A&E / Emergency department
- Visiting times
- Cancel/change your appointment

We're currently experiencing significant problems with our IT and telephone network

Which we're trying to resolve as soon as possible

This means that people will have difficulty phoning us for the time being – please bear with us. Apologies for any inconvenience.

Our Services



Our staff work hard to deliver the best quality of care to all our patients in the wide range of services we offer.

- ▶ A-Z of services
- ▶ Blood tests
- Maternity

Work for us



Our Trust has an exciting future. Be part of something special - join our team.

Find out more about working for us or view our latest vacancies.

We also have a dedicated page just for our nursing and midwifery vacancies.

Why Choose Us?



We provide good quality healthcare to our local community and beyond.

- ▶ Good transport links
- ► Improving patient experience

PA via AP

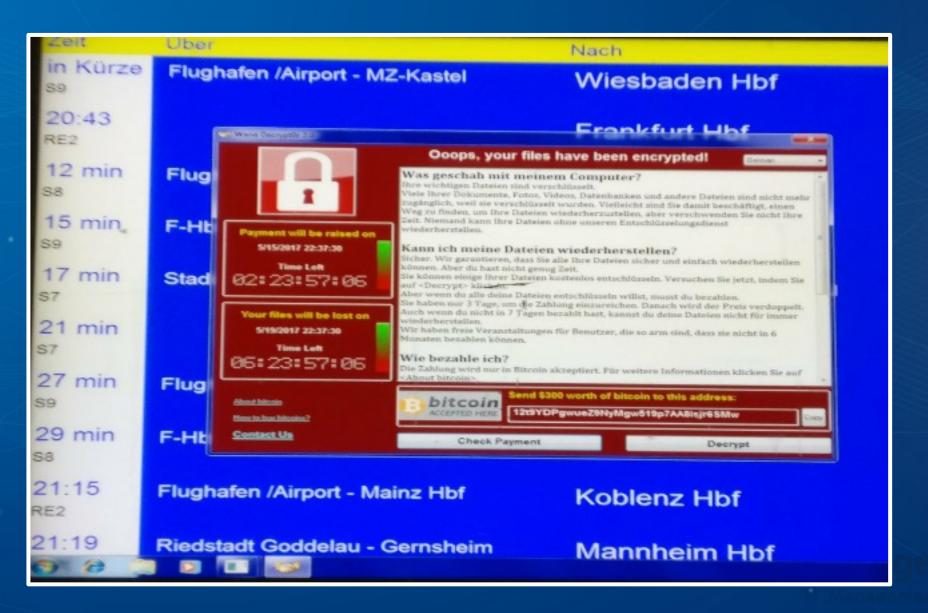
WannaCry

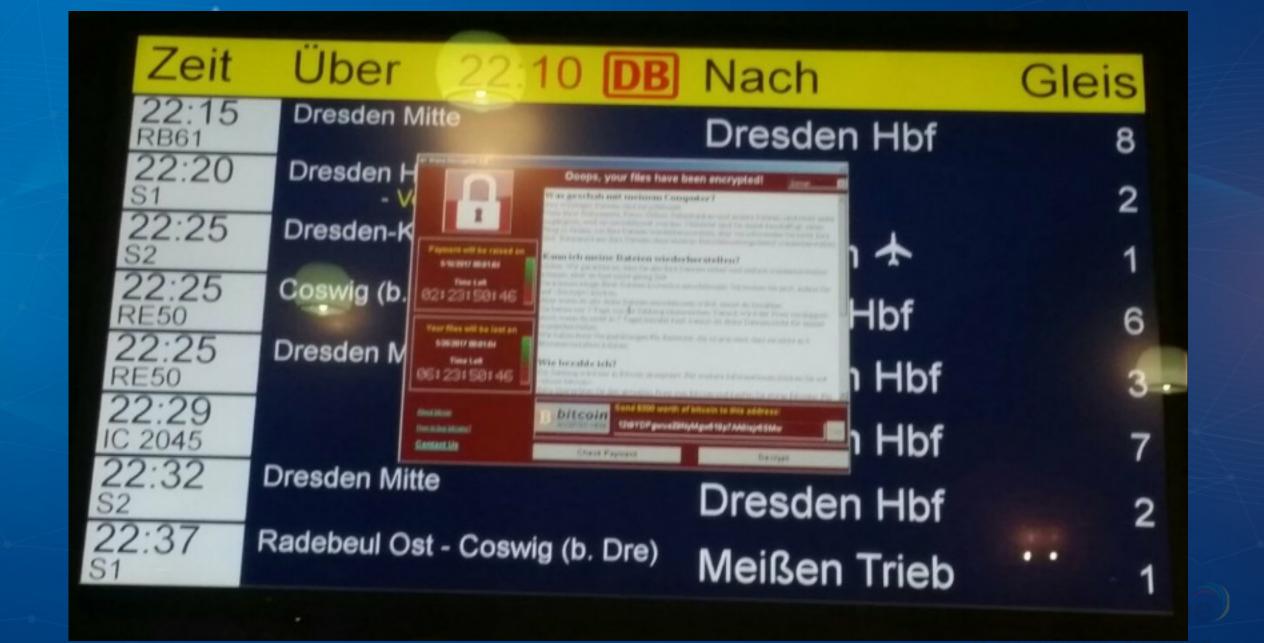
- WannaCry was discovered 91 days prior to the outbreak
- The patch for the SMB vulnerability was available 59 days prior to the attack
- Over 200,000 victims & 300,000 computers across 150 countries
- Financial loss: \$4 Billion

Prime victim

- ❖ May. 12th Friday at 4 PM NHS declared "Wannacry Attack"
- ❖ 81 out of 236 trusts, 603 primary health care & NHS organizations were affected
- ❖ 19494 Appointments were cancelled (5 areas)
- 1220 Medical Equipments were affected

Hackers target Deutsche Bahn





Responding to Ransomware

If victimized by ransomware in the past 12 months, did your organization pay a ransom (using Bitcoins or other anonymous currency) to recover data? (n=1,176)

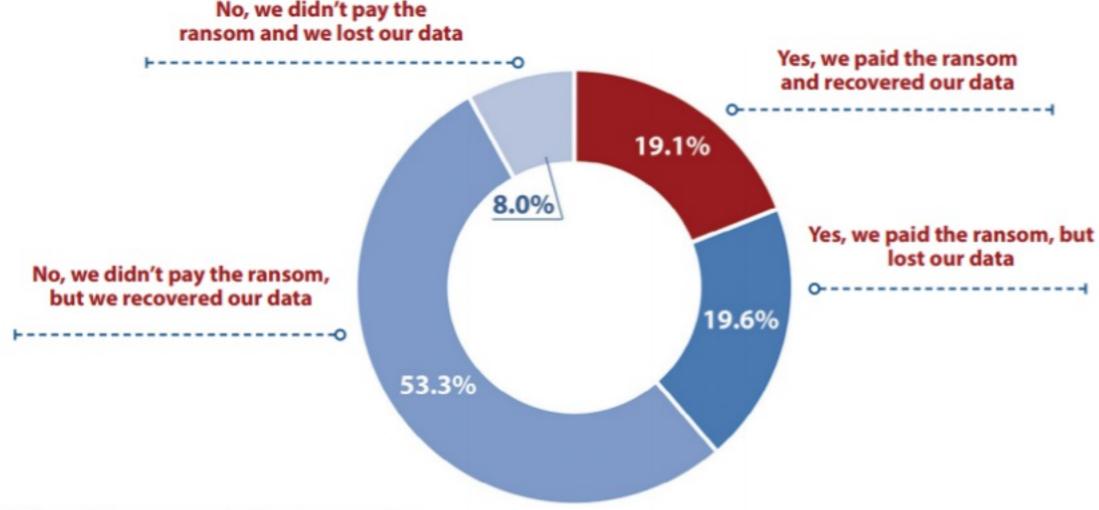


Figure 12: How victims responded to ransomware.

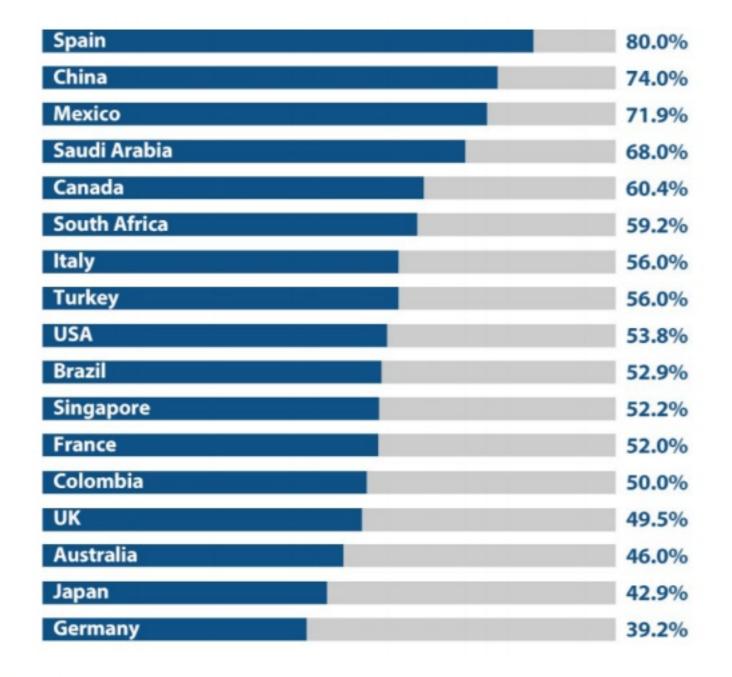


Figure 13: Percentage affected by ransomware in the past 12 months.

Past Frequency of Successful Cyberattacks

How many times do you estimate that your organization's global network has been compromised by a successful cyberattack within the past 12 months? (n=1,136)

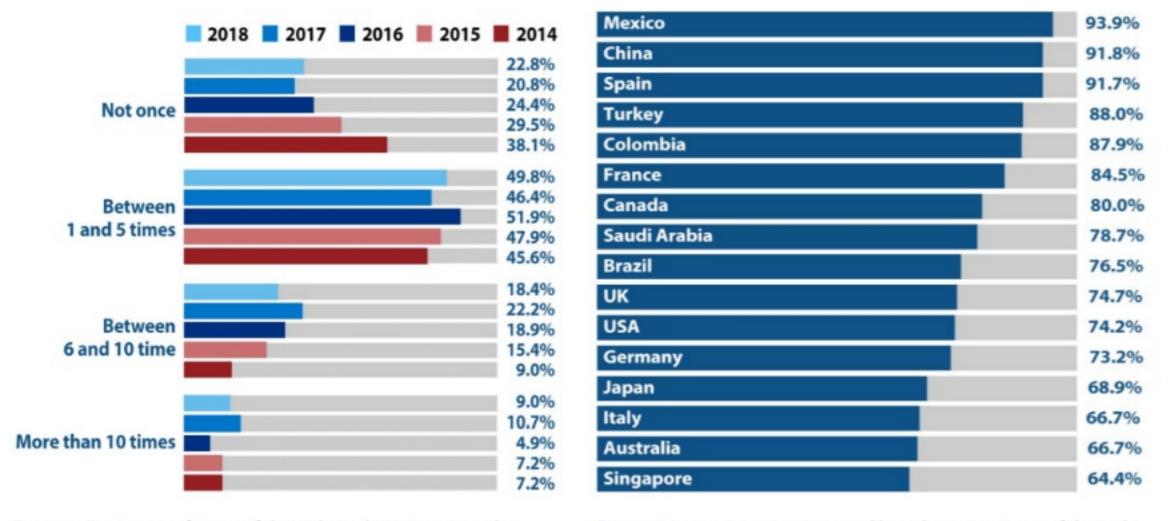


Figure 1: Frequency of successful attacks in the past 12 months.

Figure 2: Percentage compromised by at least one successful attack in the past 12 months.

Future Likelihood of Successful Cyberattacks

What is the likelihood that your organization's network will become compromised by a successful cyberattack in 2018? (n=1,175)

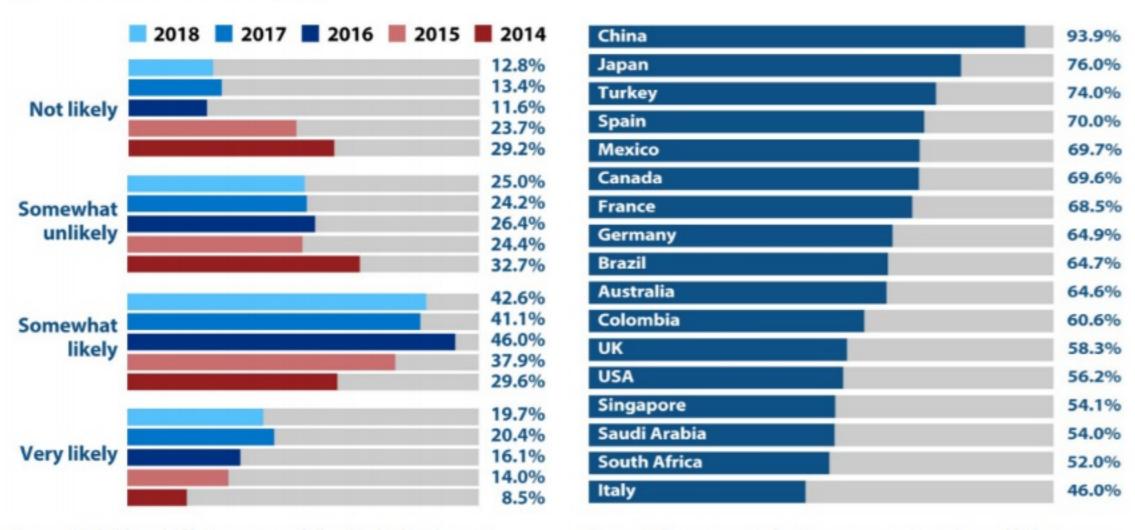
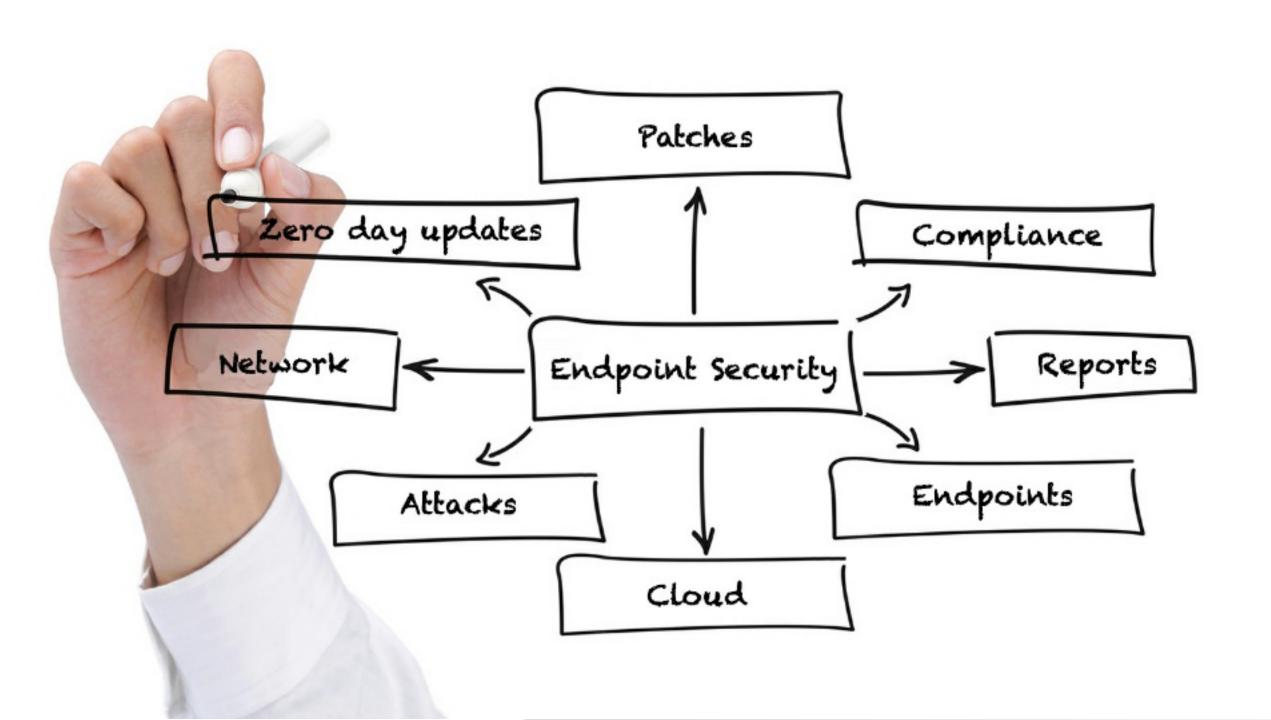


Figure 3: Likelihood of being successfully attacked in the next 12 months.

Figure 4: Percentage indicating compromise is "more likely to occur than not" in the next 12 months.

Lessons Learnt

- OSs and Software/Applications not patched
- AV updates were missing
- Firewall security compromised
- Security Policies were not enforced



Insights of patching

Microsoft update approach

Quality Updates

A single cumulative update each month with no new features

Security fixes, reliability fixes, bug fixes, etc.
Supersedes the previous month's update
Try them out with Security Update Validation
Program (SUVP), other

Feature Updates

Twice per year with new capabilities

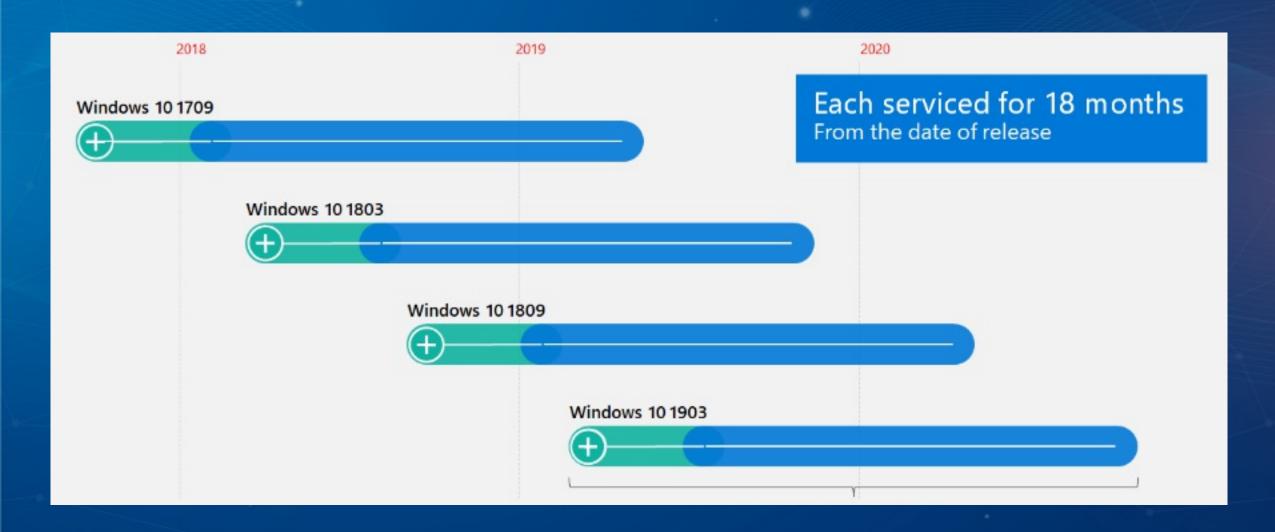
18 months of servicing and support for each feature update release

Very reliable, with built-in rollback capabilities

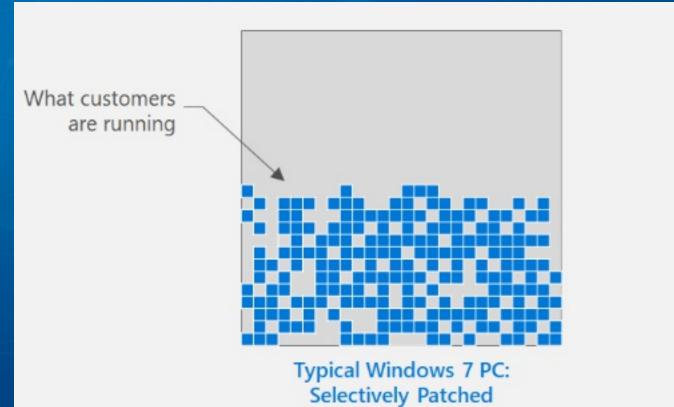
Simple deployment using in-place upgrade, driven by existing tools

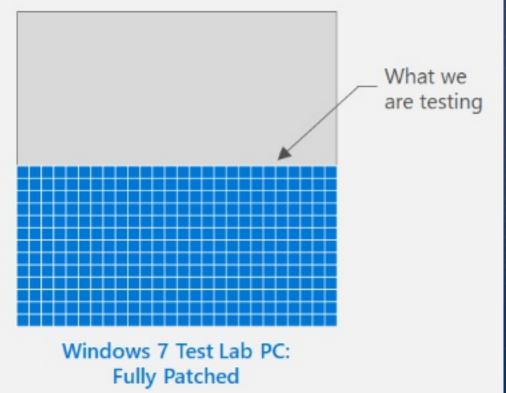
Try them out with Insider Preview

Microsoft update approach

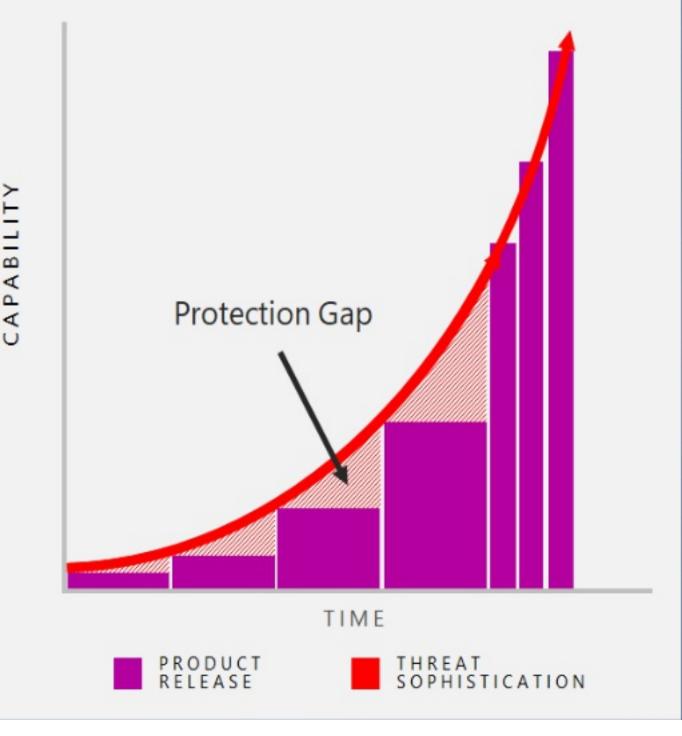


Full patch approach

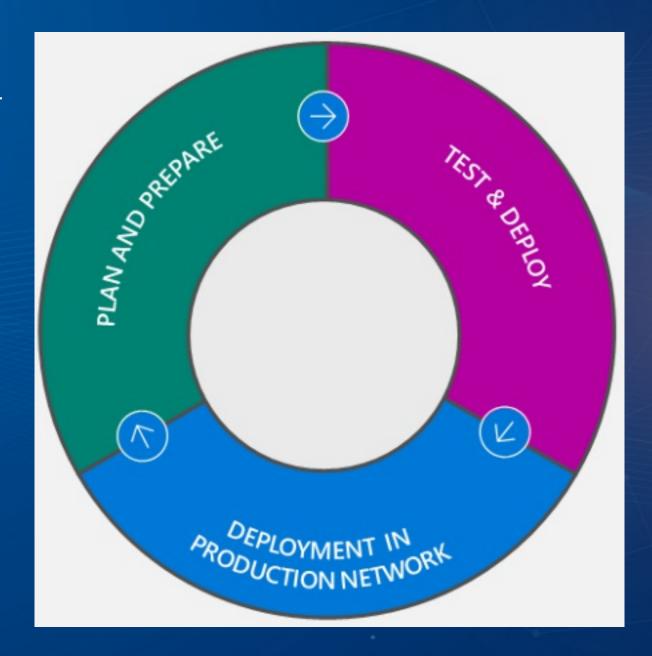




- Increased protection
- Reduced attack surface



- Plan and prepare using preview (definitely not for production)
- Test and deploy (In the targeted test and user systems)
- Automated deployment in production network

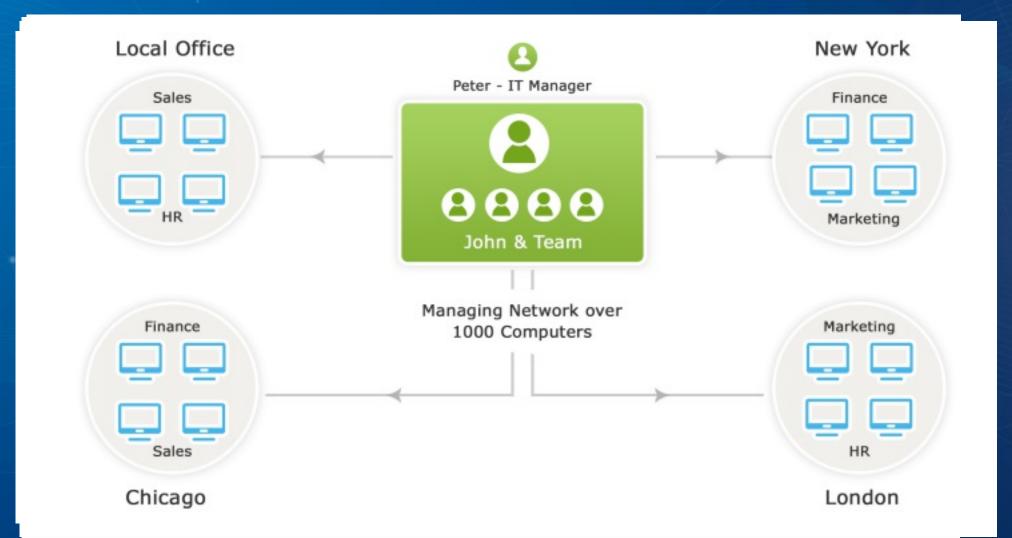


Supported OS



Over 1000+ applications can be patched across *Windows, Mac, Linux,* and *third-party* applications.





Objective: Set up patch management

Scan and test on pilot group of computers
Approve patches
Deploy to production computers
Automate deployment in stages
Run reports

Other Patch Management Offerings



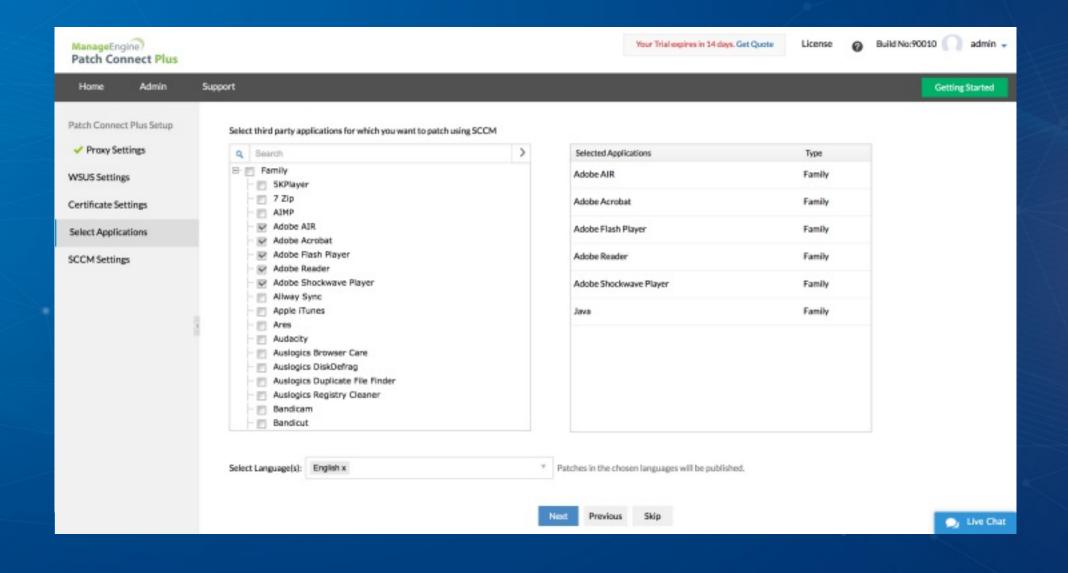
ManageEngine Patch Manager Plus

Automate patch management for Windows, Mac, Linux & 3rd party apps



ManageEngine Patch Connect Plus

Patch your 3rd party application using **Microsoft SCCM**



Patch Connect Plus

for Microsoft SCUP

Readily available updates to patch via SCUP catalog.



Patch Connect Plus

for Microsoft SCCM

Fully automated patching using SCCM infrastructure.

Browser security plus

Some interesting numbers on cloud adoption and browser usage across organisations



928 cloud applications

per organization













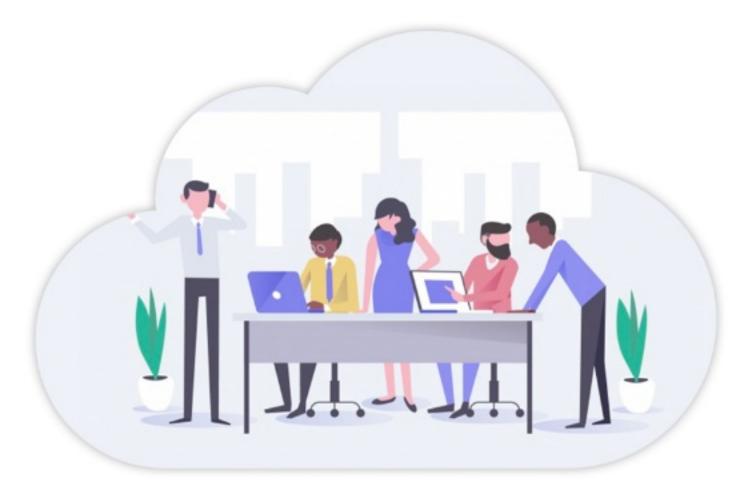












SMBs run

83%

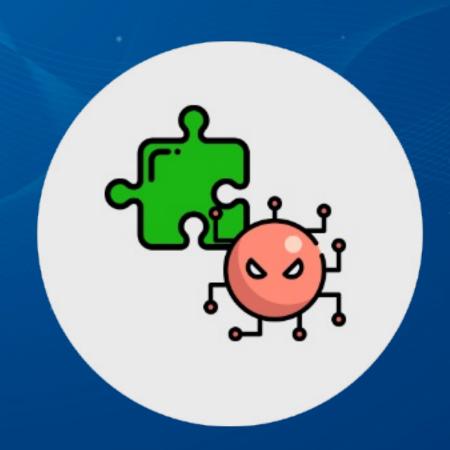
workload in cloud

Source: Rightscale 2017 State of the cloud report

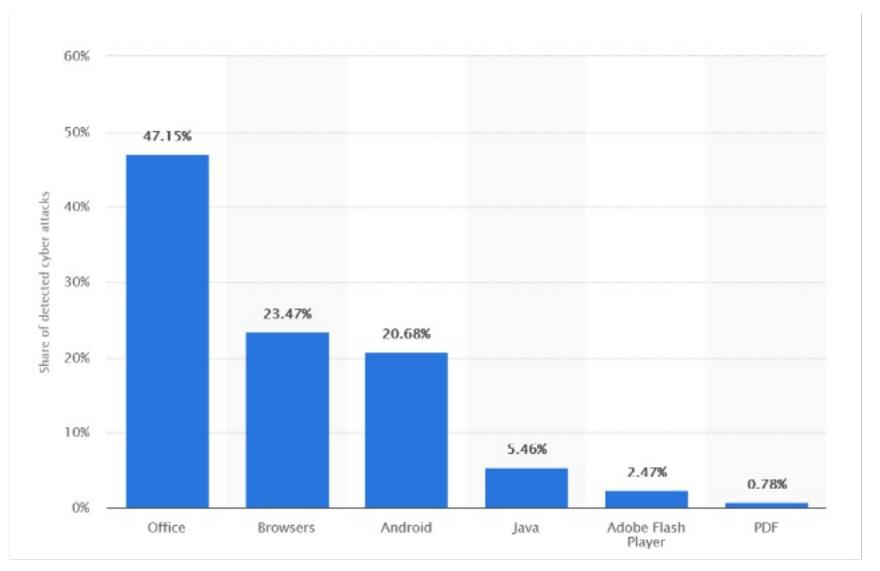


There's always two sides to a coin

Data breach through add-ons



Most commonly exploited applications worldwide as of 1st quarter 2018



Source: Statista Most commonly exploited applications worldwide as of 1st quarter 2018



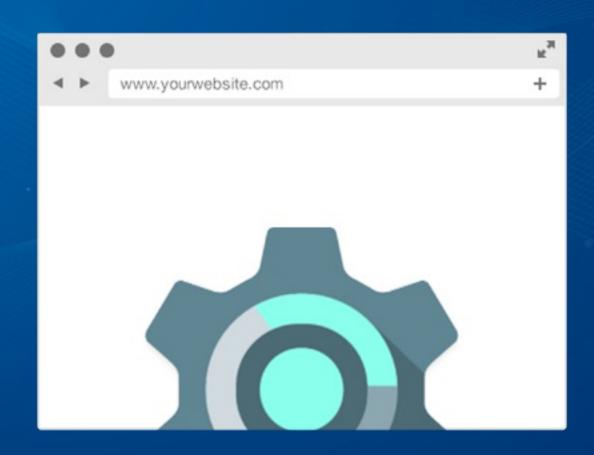


ManageEngine Browser Security Plus

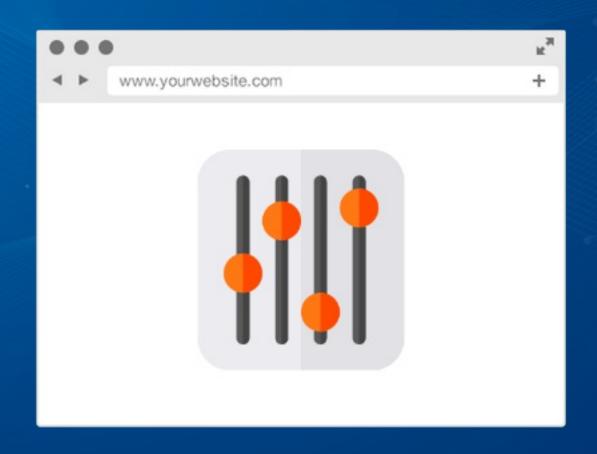




Deploy browser configurations and security policies



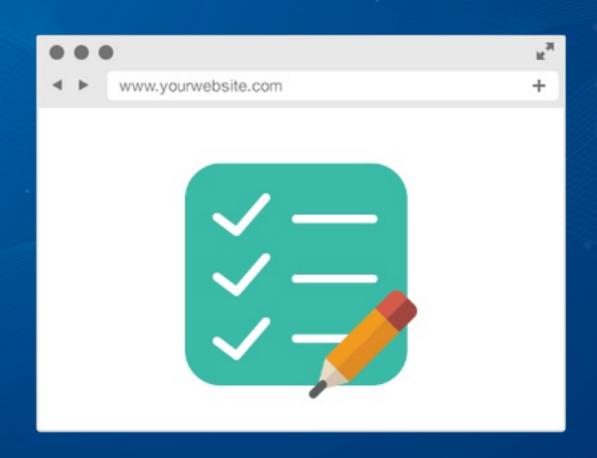
Manage and control browser add-ons



Isolate browsers: Render untrusted sites in a virtual browser



Ensure compliance to STIG, CIS and self imposed standards



Conclusion

By managing browsers the same way endpoints like desktops and mobile devices are managed, enterprises can seal their network from possible attacks at its most used threshold.

And a free edition supporting

25 devices for ever

Mobile Device Management

K

OKA

We aren't a mobile-first/mobile-only enterprise so why do we need MDM?

Do you..

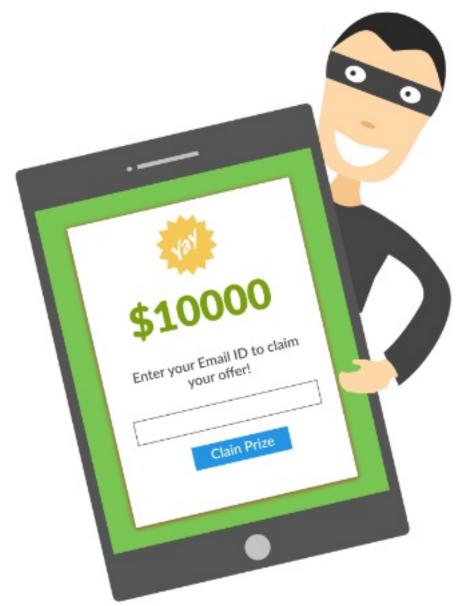
- occasionally use a mobile device at work either personal or corporate?
- need mobile clients of SaaS products for your tasks?
- have e-mail, calendars etc,, configured on your device?



Data Theft



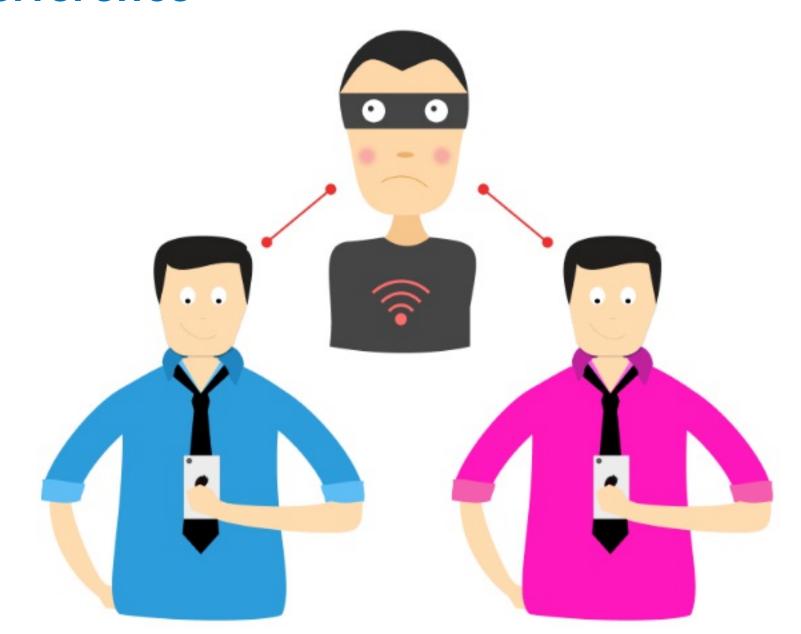
Social Engineering



Outdated devices

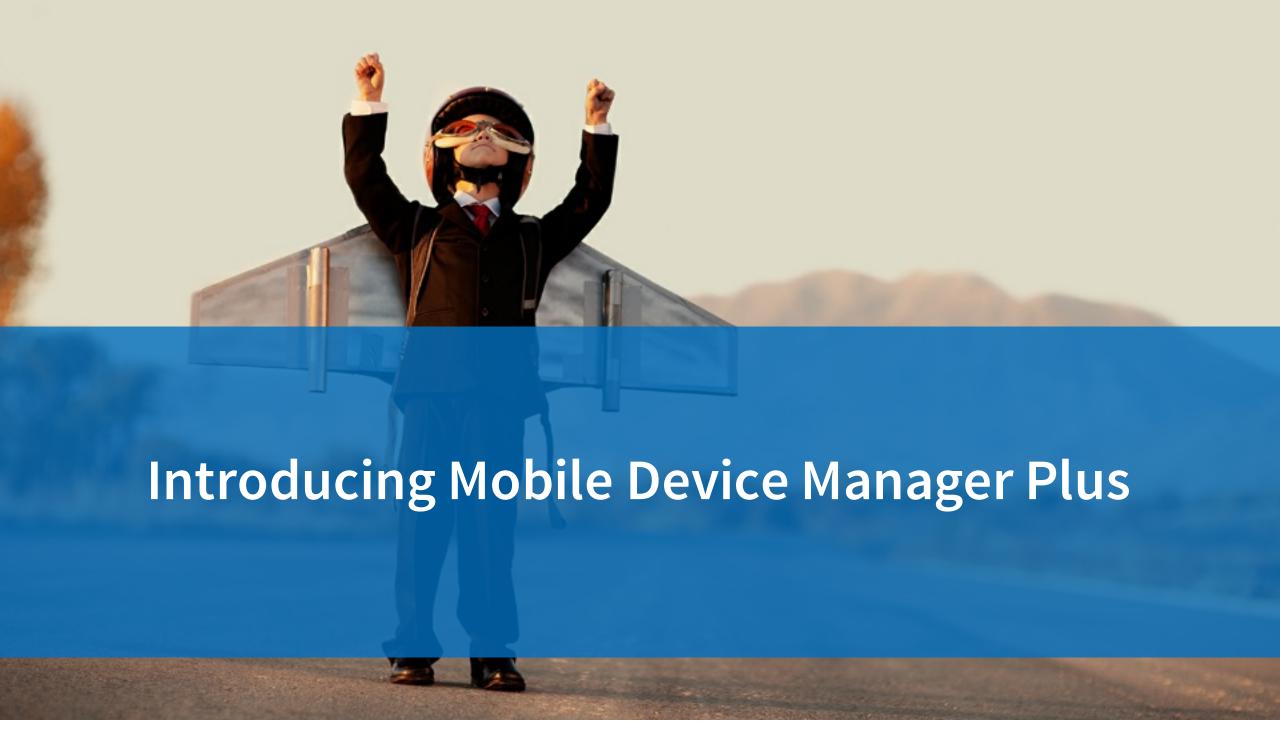


Wi-Fi Interference



Physical Theft







PLATFORMS SUPPORTED















DEVICE TYPES











TELEVISION IPODS



INTEGRATIONS









SERVICEDESK PLUS

ZOHO CREATOR

ZOHO CRM



DEPLOYMENT METHODS









EDITIONS







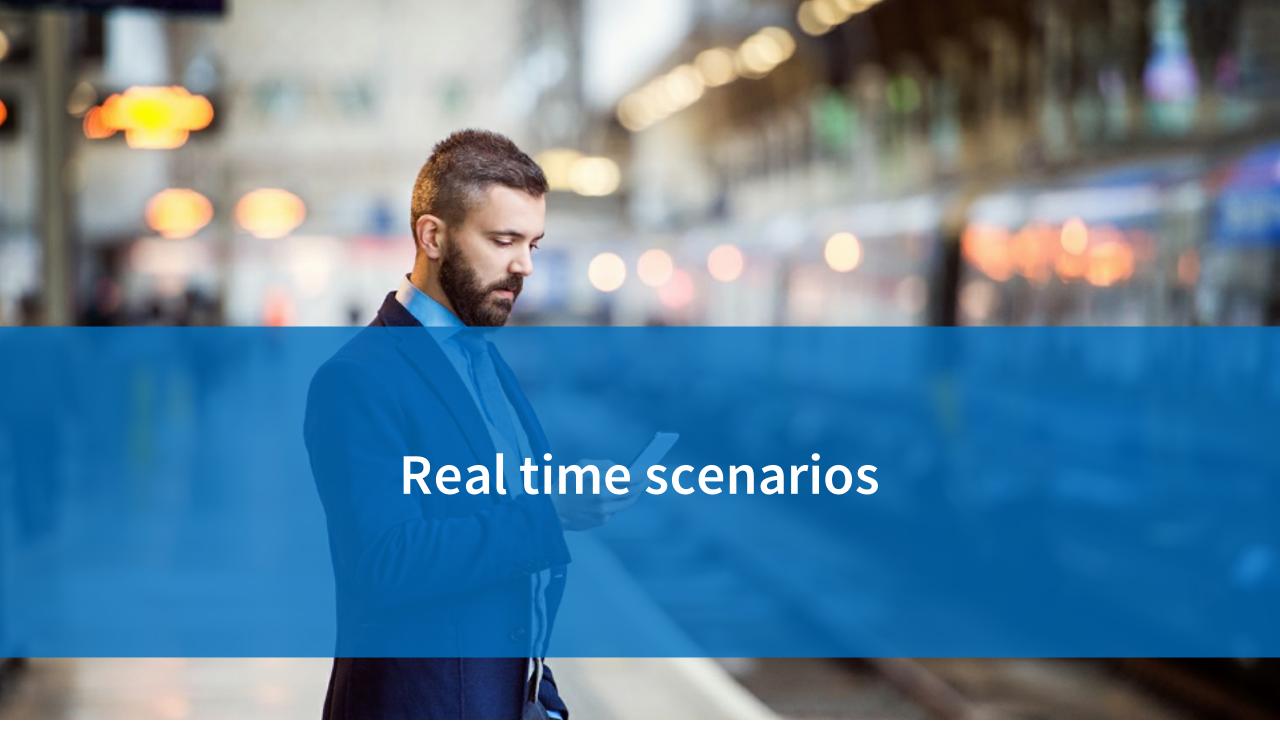
PATENT



LOST MODE USING SMS COMMANDS

Feature highlights





Prevent access to malicious websites



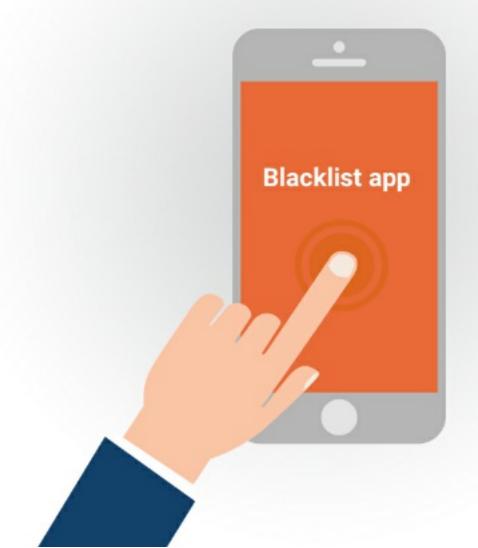


Seamless installation of apps





Blacklist specific apps. Example: Dropbox





Securely share and view the confidential documents





Handling a lost device





Make a device use a single app. Example: Uber





Accessing the device remotely





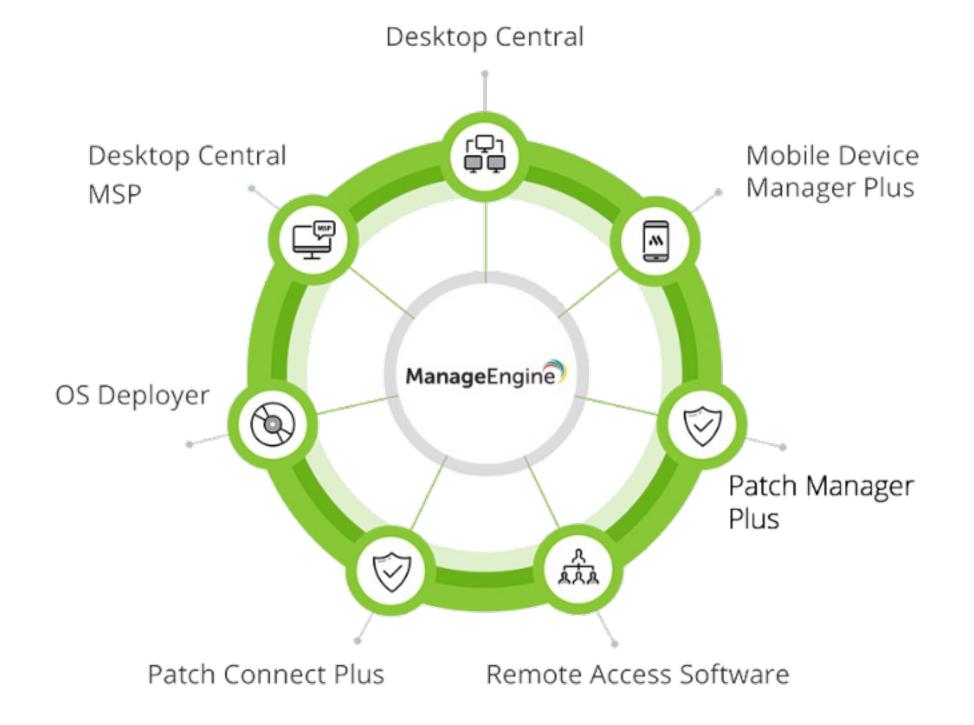
Schedule OS updates





Enroll devices quickly





Questions

Thank you

