


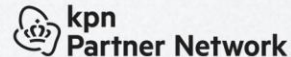
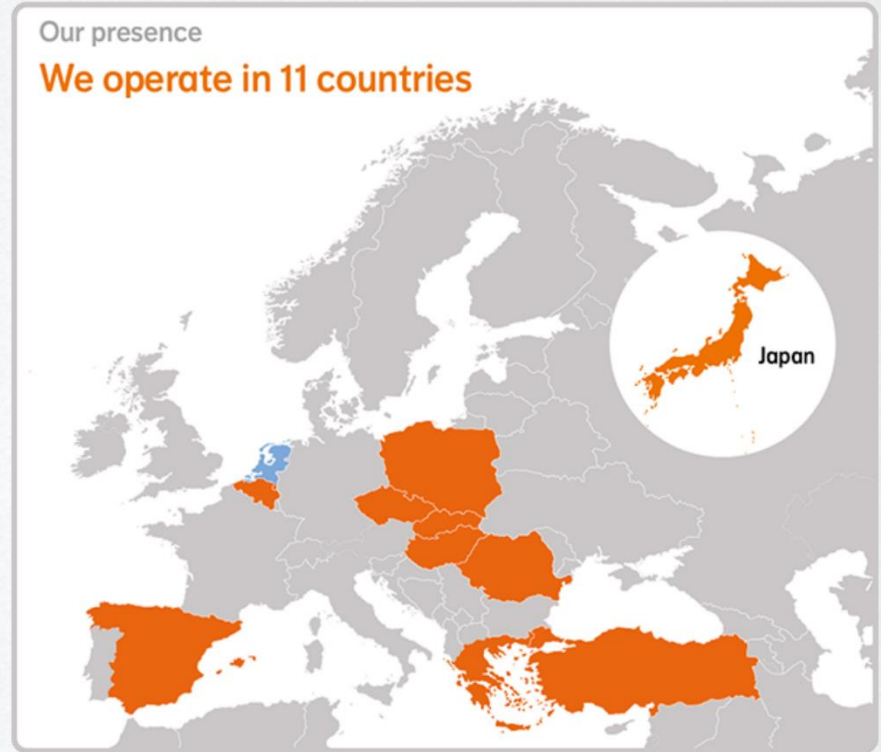
Our journey to a modern workplace

Peter Klapwijk





Some background information about NN Group





9000+



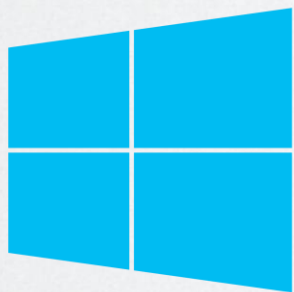
500+



android

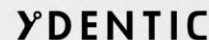
3000+





Windows

16000+ daily active





Peter Klapwijk
Modern Workplace engineer
@ NN Group

Like: Football, blogging

Award: MVP Enterprise
Mobility + Security



What is a Modern Workplace?

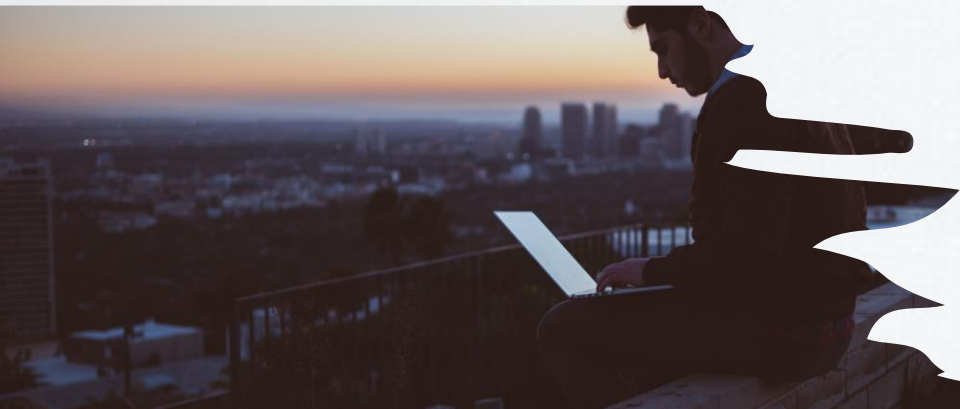
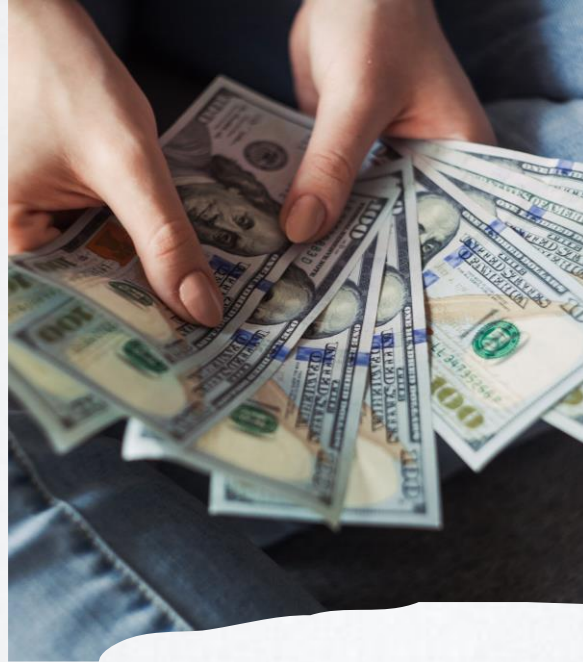
Cloud-managed laptop

~~No AD join~~ → Azure AD join

~~No config manager~~ > Intune

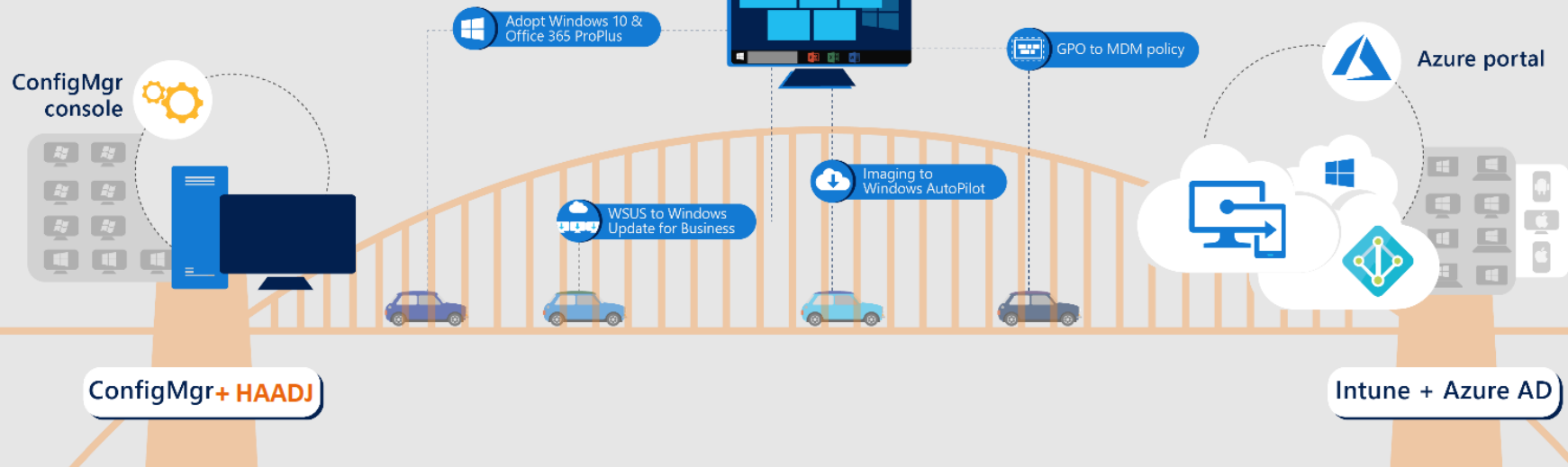
~~No GPOs~~ > Intune Policies

Work from anywhere!



Why cloud management?

Co-management





2020



Co-management

Home > Devices | Windows > Windows | Windows devices >



Search



Retire



Wipe



Delete



Remote lock



Sync



Reset passcode



Restart



Collect diagnostics



Fresh Start



Autopilot Reset



Overview

Essentials

Home > Reports | Endpoint analytics > Endpoint analytics



Endpoint analytics | Startup performance

Search

Overview

Settings

Reports

Startup performance

Proactive remediations

Application reliability

Work from anywhere

Resource performance

Remoting connection

Startup score

Model performance

Device performance

Startup processes

Restart frequency

Review the startup times and restart frequencies of devices in your tenant. Select a device to drill down on startup details. [Learn more.](#)



Refresh



Export



Columns

Search by device name, model, manufacturer or OS version

Device scope: All Devices

Showing 1 to 40 of 19,586 records

< Previous

Page

1

of 490

Next >

Add filter

Device name	Model	Manufacturer	Disk type	Startup Performance	Core boot time (s...)	Core sign-in time...	Restarts (last 30 ...)	Stop errors (last ...)	Health
		Dell Inc.	SSD	100	14	9	3	0	✓
		Dell Inc.	SSD	100	11	7	3	0	✓
		Dell Inc.	SSD	100	9	12	7	0	✓
		Dell Inc.	SSD	100	13	6	13	0	✓
		Dell Inc.	SSD	100	10	6	16	0	✓
		Dell Inc.	SSD	100	13	3	3	0	✓






















Workloads

Properties

Enablement Workloads Staging Reporting

the workloads for only clients in the Pilot group (specified later in this wizard). If you are not ready to move workloads to Intune, select Configuration Manager.

[Learn more](#)

	Configuration Manager	Pilot Intune	Intune
Compliance policies:			
Device Configuration:			
Endpoint Protection:			
Resource access policies:			
Client apps:			
Office Click-to-Run apps:			
Windows Update policies:			

OK Cancel Apply

Workloads

Properties

Enablement Workloads Staging Reporting

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[Learn more](#)

	Configuration Manager	Pilot Intune	Intune
Compliance policies:			
Device Configuration:			
Endpoint Protection:			
Resource access policies:			
Client apps:			
Office Click-to-Run apps:			
Windows Update policies:			

OK Cancel Apply

Compliance workload

Compliance | Properties

Device compliance policy

Search

- Overview
- Manage
- Properties
- Monitor
 - Device status
 - User status
 - Per-setting status

Basics Edit

Name	Compliance
Description	--
Platform	Windows 10 and later
Profile type	Windows 10/11 compliance policy

Compliance settings Edit

Device Health

Require BitLocker	Require
Require Secure Boot to be enabled on the device	Require
Require code integrity	Require

Device Properties

Valid operating system builds	Windows 10 22H2	10.0.19045.2486	10.0.19045.9999
-------------------------------	-----------------	-----------------	-----------------

System Security

Require encryption of data storage on device.	Require
Firewall	Require
Trusted Platform Module (TPM)	Require

Salesforce

Conditional Access policy

Delete View policy information (Preview)

Control access based on Conditional Access policy to bring signals together, to make decisions, and enforce organizational policies. [Learn more](#)

Name *
Salesforce

Assignments

Users 0
0 users and groups selected

Cloud apps or actions

0
No cloud apps, actions, or authentication contexts selected

Conditions

0
1 condition selected

Access controls

Grant 0
2 controls selected

Session 0
0 controls selected

Enable policy

Control access enforcement to block or grant access. [Learn more](#)

☐ Block access

☒ Grant access

- ☐ Require multifactor authentication
- ☐ Require authentication strength (Preview)
- ☒ Require device to be marked as compliant
- ☒ Require Hybrid Azure AD joined device
- ☐ Require approved client app
- ☐ Require app protection policy
- ☐ Require password change

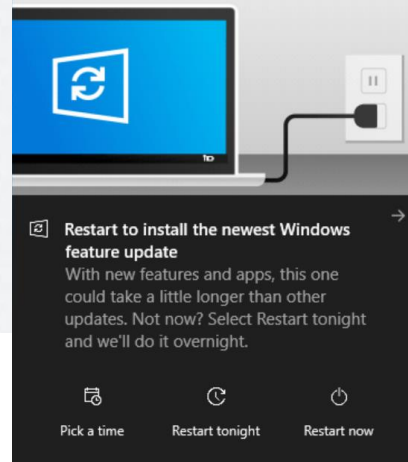
Don't lock yourself out! Make sure that your device is compliant. [Learn more](#)

Don't lock yourself out! Make sure that your device is Hybrid Azure AD Joined. [Learn more](#)

See list of approved client apps

See list of policy protected client apps

Windows Update for Business



[Home](#) > [Devices](#) | [Windows](#) > [Windows](#)

Windows | Feature updates for Windows 10 and later ...

 Search

«

[+](#) Create profile [↺](#) Refresh [↓](#) Export [☰](#) Columns [v](#)

 Windows devices


 Windows enrollment


Windows policies


 Compliance policies

 Configuration profiles

 PowerShell scripts

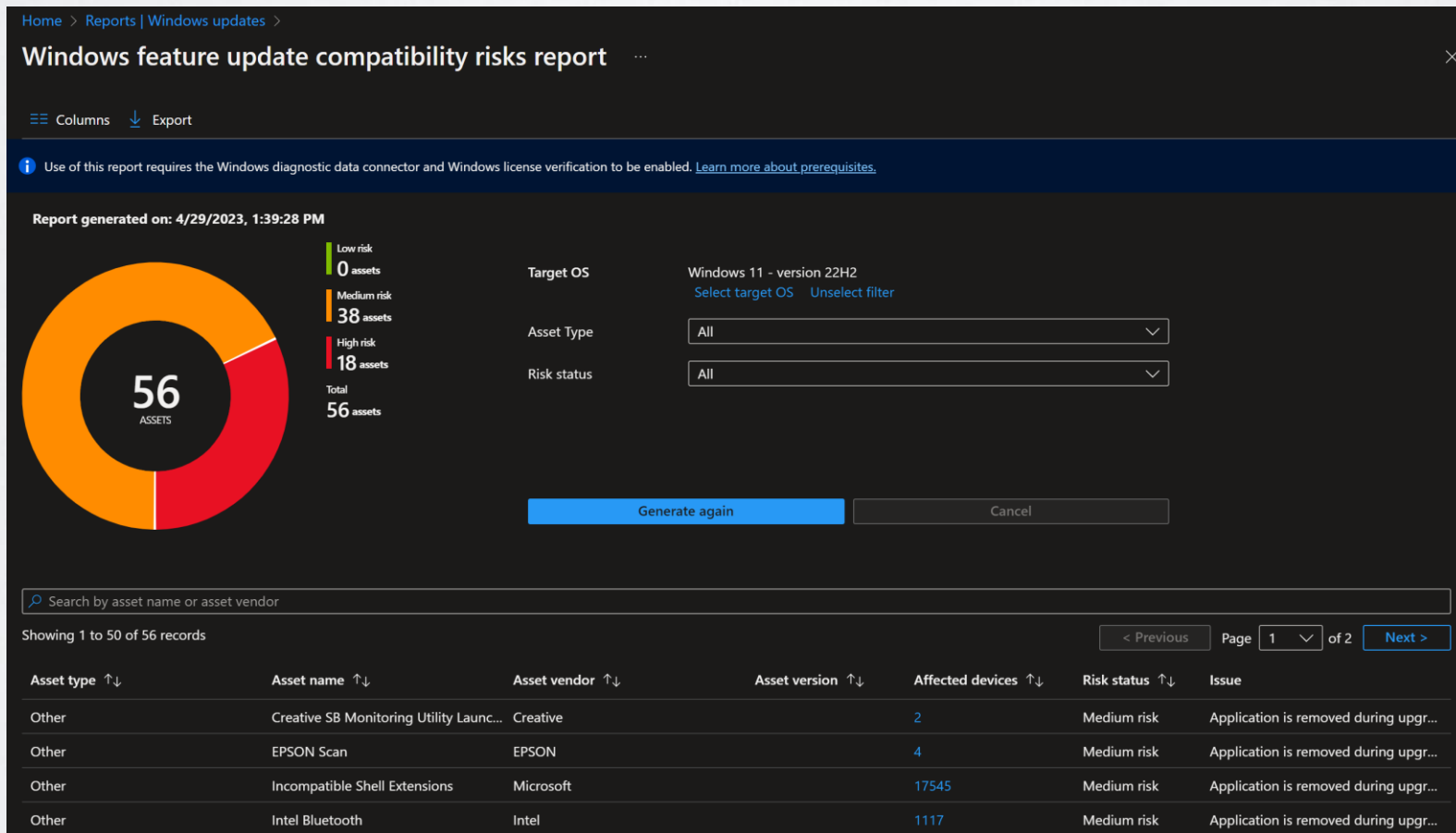
 Update rings for Windows 10 and later

 Feature updates for Windows 10 and later

 Quality updates for Windows 10 and later

Name ↑	Feature update version	Assigned	Support	Support End Date
FeatureUpdate Ring 1	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
FeatureUpdate Ring 2	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
FeatureUpdate Ring 3	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
FeatureUpdate Ring 4	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
FeatureUpdate Ring MaCD	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
FeatureUpdate Ring WIN11	Windows 11, version 21H2	✓ Yes	✓ Supported	10/8/2024, 2:00:00 AM
FeatureUpdate Ring WIN11 version 22H2	Windows 11, version 22H2	✓ Yes	✓ Supported	10/14/2025, 2:00:00 AM

Windows Update reporting



WuFB – Things to keep in mind

Windows Update > Delivery Optimization

Delivery Optimization downloads updates from Windows, Microsoft Store, and other Microsoft products quickly and reliably.



Allow downloads from other PCs

Your PC may send parts of previously downloaded Windows updates and apps to devices on your local network or on the internet

On



Allow downloads from:



Devices on my local network



Devices on the internet and my local network

Note: Your PC won't upload content to other devices on the internet when Windows detects you're on a metered network

Related links

[More about Delivery Optimization and privacy](#)

Windows Update



Restart required

Your device will restart outside of active hours.

2021-05 Update for Windows 10 Version 20H2 for x64-based Systems (KB4023057)

Status: Pending install

Feature update to Windows 10, version 21H1

Status: Pending restart

Dell Inc - HIDClass - 10/26/2016 12:00:00 AM - 17.38.40.165

Status: Pending install

INTEL - System - 10/3/2016 12:00:00 AM - 10.1.1.38

Status: Pending install

INTEL - System - 10/3/2016 12:00:00 AM - 10.1.1.38

Status: Installing - 0%

INTEL - System - 10/3/2016 12:00:00 AM - 10.1.1.38

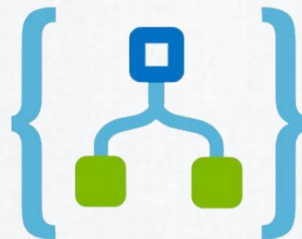
Status: Pending restart

Restart now

[Schedule the restart](#)



2021



Endpoint protection

Microsoft Endpoint Manager admin center

Home > Endpoint security | Overview

Endpoint security | Overview

Search (Ctrl+/)

Overview

- Overview
- All devices
- Security baselines
- Security tasks

Manage




- Antivirus
- Disk encryption
- Firewall
- Endpoint detection and response
- Attack surface reduction
- Account protection
- Device compliance
- Conditional access

Setup

- Microsoft Defender ATP

Protect and secure devices from one place

Enable, configure, and deploy Microsoft Defender Advanced Threat Protection (Microsoft Defender ATP) to help prevent security breaches and gain visibility into your organization's security posture



Microsoft recommended security settings

Assign baselines quickly and securely using our recommended settings.

[View Security Baselines](#)

Simplified security policies

Select any of the following categories to jump right in and start securing your devices.

- [Antivirus](#)
- [Disk encryption](#)
- [Firewall](#)
- [Attack surface reduction](#)
- [Endpoint detection and response](#)
- [Account protection](#)

Remediate endpoint weaknesses

Remediate endpoint vulnerabilities reported by Microsoft Defender for Endpoint and Threat and Vulnerability Management.

[View security tasks](#)

Microsoft Defender for Endpoint



Windows Autopilot

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)

Working on it...



Device setup

Waiting for previous step to finish



Account setup

Waiting for previous step to finish

Platform hardening - Analyzing

Home > Devices | Group Policy analytics (preview) >

Windows 10 Baseline

Group Policy analytics (preview)

Refresh → Migrate Filter Export Got feedback? ← Back

Search by Setting Name

Setting name ↑↓	Group policy setting category ↑↓	MDM support ↑↓	Value ↑↓	Scope ↑↓	Min OS version ↑↓	CSP name ↑↓	CSP mapping ↑↓
Accounts: Limit local account use of blank passwords	N/A	✔ Yes	true	Device	16299	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow access to BitLocker-protected fixed data drive...	Windows Components/BitLocker Drive Encryption/...	⚠ No	Disabled	Device	0		
Allow access to BitLocker-protected removable dat...	Windows Components/BitLocker Drive Encryption/...	⚠ No	Disabled	Device	0		
Allow Basic authentication	Windows Components/Windows Remote Manage...	✔ Yes	Disabled	Device	16299	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow Basic authentication	Windows Components/Windows Remote Manage...	✔ Yes	Disabled	Device	16299	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow companion device for secondary authenticati...	Windows Components/Microsoft Secondary Authe...	✔ Yes	Disabled	Device	17130	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow Cortana	Windows Components/Search	✔ Yes	Disabled	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow device name to be sent in Windows diagnosti...	Windows Components/Data Collection and Previe...	✔ Yes	Enabled	Device	17755	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow indexing of encrypted files	Windows Components/Search	✔ Yes	Disabled	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow Microsoft accounts to be optional	Windows Components/App runtime	✔ Yes	Enabled	Device	17134	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow only approved domains to use the TDC Activ...	Windows Components/Internet Explorer/Internet C...	✔ Yes	3	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow only approved domains to use the TDC Activ...	Windows Components/Internet Explorer/Internet C...	✔ Yes	0	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow or Disallow use of the Offline Files feature	Network/Offline Files	✔ Yes	Disabled	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow printers to be published	Printers	✔ Yes	Disabled	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow restore of system to default state	System/Recovery	ⓘ Deprecated	Disabled	Device	0		
Allow search and Cortana to use location	Windows Components/Search	✔ Yes	Disabled	Device	17130	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow Secure Boot for integrity validation	Windows Components/BitLocker Drive Encryption/...	⚠ No	Enabled	Device	0		
Allow Telemetry/	Windows Components/Data Collection and Previe...	✔ Yes	2	Device	15063	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow unencrypted traffic	Windows Components/Windows Remote Manage...	✔ Yes	Disabled	Device	16299	Policy	./Device/Vendor/MSFT/Policy/Co...
Allow unencrypted traffic	Windows Components/Windows Remote Manage...	✔ Yes	Disabled	Device	16299	Policy	./Device/Vendor/MSFT/Policy/Co...

Platform hardening - Sec. Baselines

[Home](#) > [Devices | Windows](#) > [Windows | Configuration profiles](#) >

SettingsCatalog-Modern-Managed-General-Device

Device configuration profile



Delete

- ▼ Accounts
- ▼ Administrative Templates
- ▼ Auditing
- ▼ Authentication
- ▼ Browser
- ▼ Defender
- ▼ Delivery Optimization
- ▼ Device Guard
- ▼ Device Lock
- ▼ Dma Guard
- ▼ Experience
- ▼ Lanman Workstation
- ▼ Local Policies Security Options

[Home](#) > [Devices | Windows](#) > [Windows | Configuration profiles](#) >

SettingsCatalog-Modern-Managed-M365Apps

Device configuration profile



Delete

Configuration settings [Edit](#)

- ▼ Microsoft Access 2016
- ▼ Microsoft Excel 2016
- ▼ Microsoft Lync Feature Policies
- ▼ Microsoft Office 2016
- ▼ Microsoft Office 2016 (Machine)
- ▼ Microsoft Outlook 2016
- ▼ Microsoft PowerPoint 2016
- ▼ Microsoft Project 2016
- ▼ Microsoft Publisher 2016
- ▼ Microsoft Word 2016
- ▼ OneDrive

Platform hardening - Sec. Baselines

[Home](#) > [Devices | Windows](#) > [Windows | Configuration profiles](#) > [ADMX-EdgeBrowser-Settings | Properties](#) >

Edit Profile ...

Administrative Templates

1 Configuration settings

2 Review + save

All Settings










Computer Configuration

User Configuration

All Settings

All Settings

Search to filter items...

Setting name	↑↓	State	↑↓	Setting type	↑↓	Path	↑↓
 Allow Basic authentication for HTTP		Disabled		Device		\Microsoft Edge\HTTP authentication	
 Allow importing of autofill form data		Disabled		Device		\Microsoft Edge	
 Allow importing of Cookies		Disabled		Device		\Microsoft Edge - Default Settings (users can override)	
 Allow importing of extensions		Disabled		Device		\Microsoft Edge - Default Settings (users can override)	
 Allow importing of home page settings		Disabled		Device		\Microsoft Edge	
 Allow importing of payment info		Disabled		Device		\Microsoft Edge	
 Allow importing of saved passwords		Disabled		Device		\Microsoft Edge	
 Allow importing of shortcuts		Disabled		Device		\Microsoft Edge - Default Settings (users can override)	
 Allow importing of startup page settings		Disabled		Device		\Microsoft Edge	
						\Microsoft Edge\Update\Applications\Microsoft	

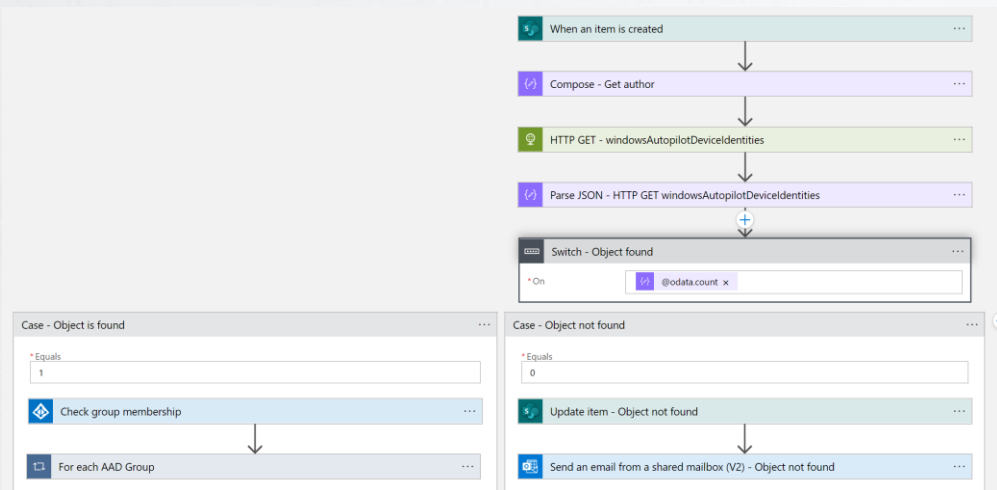
Review + save

Cancel

Autopilot Lifecycle Management

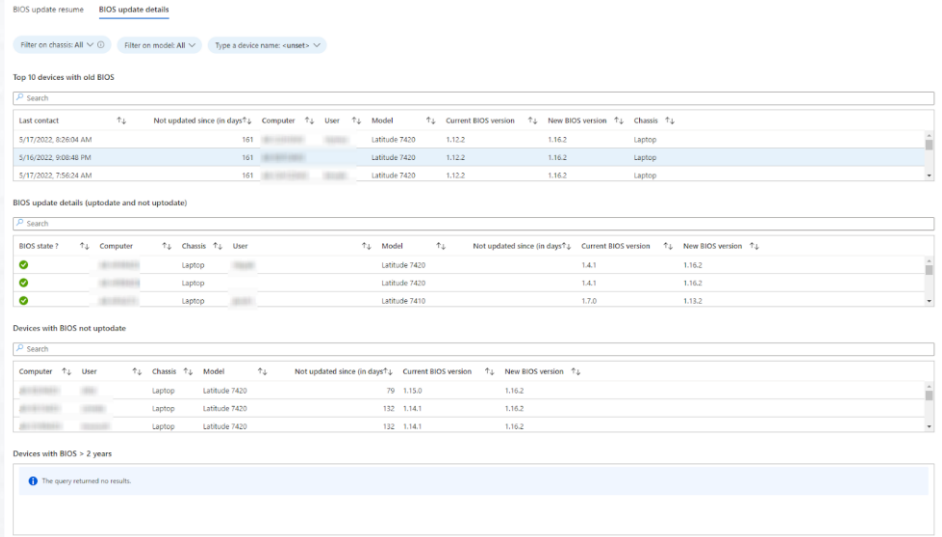
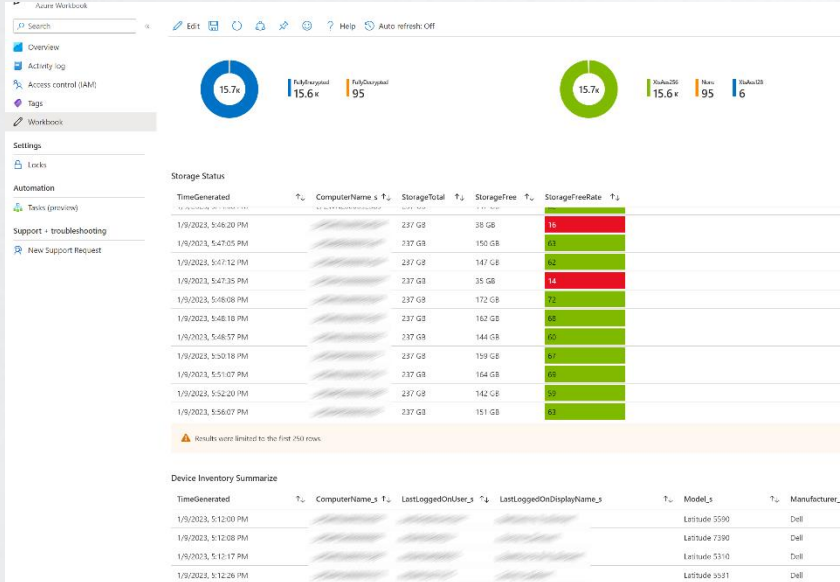
SerialNr	RequestType	NewProfile	IsProcessed	StatusCode	StatusMessage
4693-6418-1349-6235-6041-5070-78	ChangeProfile	HAADJ NL	✓	200	Serialnumber not found
4693-6418-1349-6235-6041-5070-78	ChangeProfile	HAADJ BE	✓	200	Success
4693-6418-1349-6235-6041-5070-78	Retired		✓	200	Success
4693-6418-1349-6235-6041-5070-78	Retired		✓	200	Success
4693-6418-1349-6235-6041-5070-78	Retired		✓	200	Success
4693-6418-1349-6235-6041-5070-78	ChangeProfile	HAADJ BE	✓	200	Success
4693-6418-1349-6235-6041-5070-78	Retired		✓	200	Success

Automation

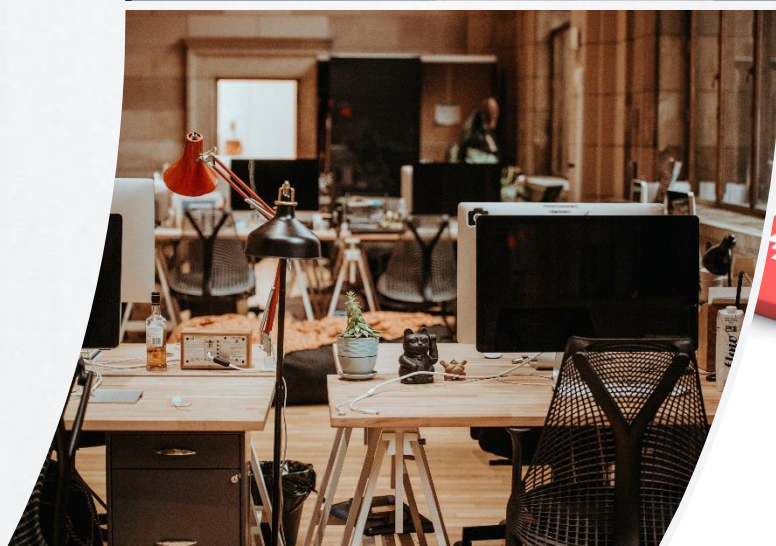


Logic Apps

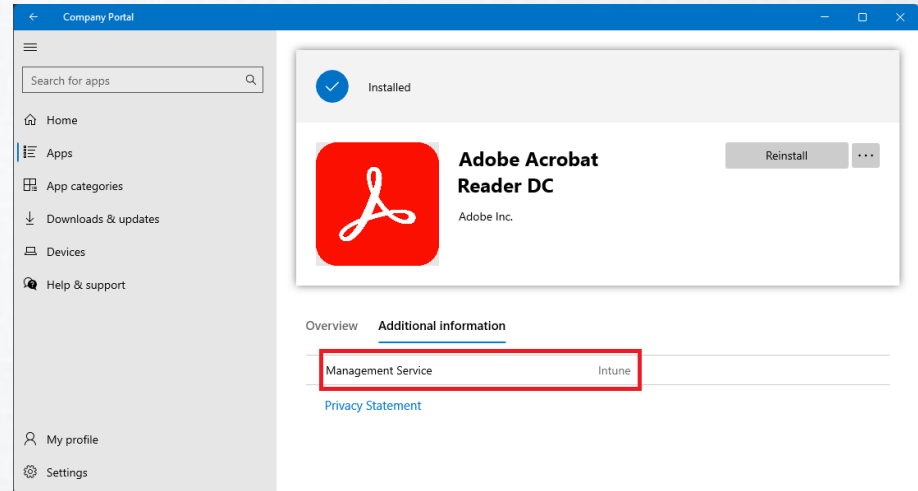
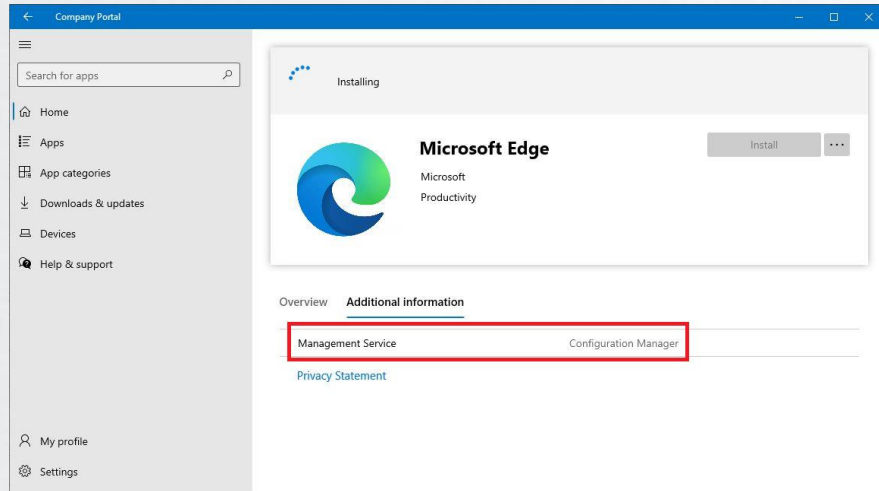
Reporting



2022



Applications



WORKHARD
ANYWHERE

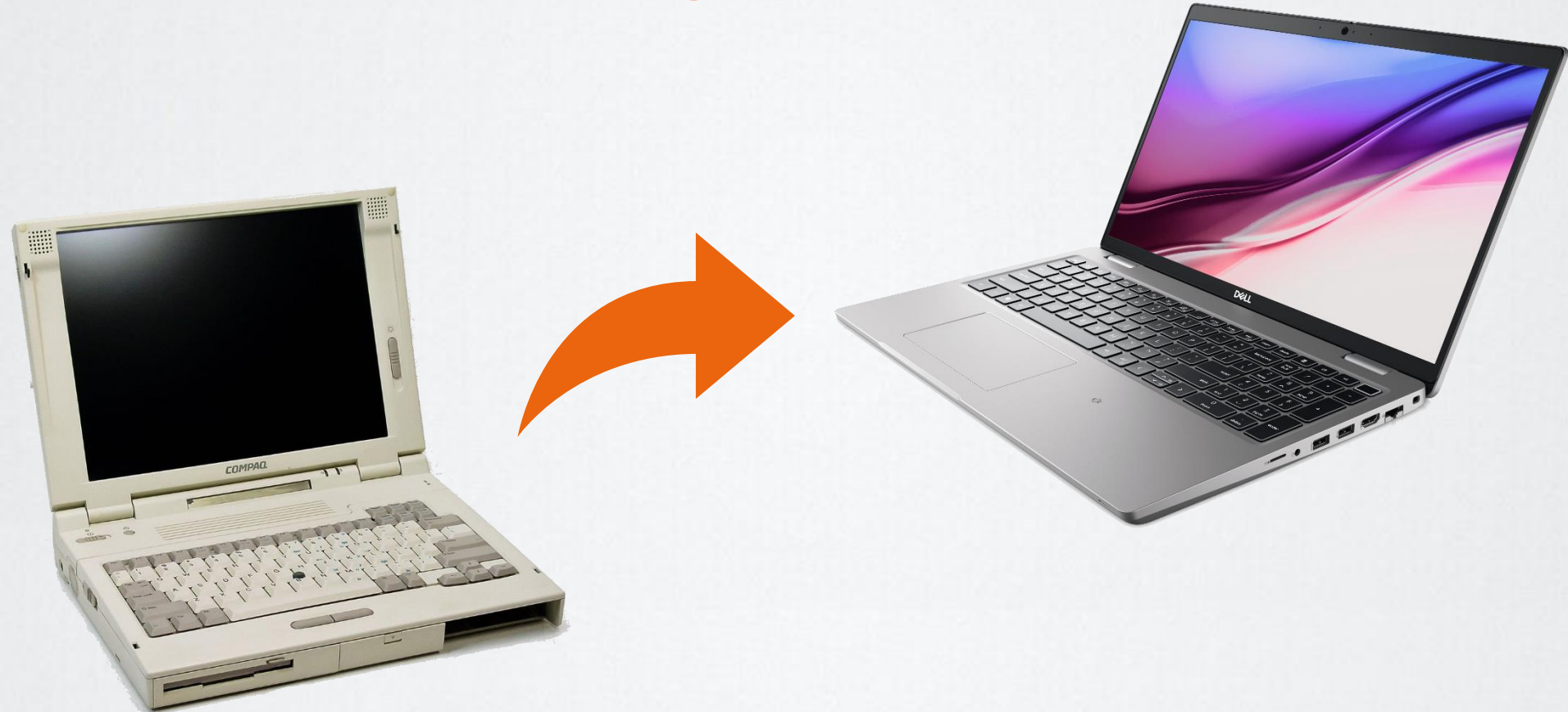
IMAGE BY ALEX RODRIGUEZ

MacBook Pro

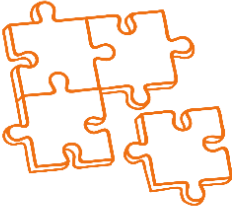
2023



How do we migrate our end users?



Self Help Migration Tool



SELF HELP TASKS

Not (yet) Confirmed!

Migration to Modern Managed Windows

This action will initiate a migration of this device to a Modern Managed Windows device.

Before clicking the Migrate button, please make sure you are prepared well by:

- Saving any unsaved work
- Close all other Applications
- Ensure your device has a working internet connection (preferably cabled)
- Connect your device to a power adapter

This action will **ERASE ALL LOCAL DATA** on the device and reset it to factory defaults.

- From your Downloads folder, please move those contents you want to keep to your Documents folder
- From the C:\Temp folder (if exists), please move those contents you want to keep to your Documents folder
- After moving data make sure OneDrive has synchronised
- Install Quick Access Backup from Company Portal to backup all your Quick Access Shortcuts

Double.click the "Quick Access Restore" shortcut on your desktop after the migration.

IMPORTANT: During setup, choose American English (en-US)
failing to do so will result in setup to fail !!!

NOTE down the new bitlocker key shown below(The Express Service Code of your device)
3564228855
[Click here more information](#)

☐ I realise that this computer will be reset to default!

Migrate

Cancel

Refresh | About | X

You PC Media Network WiFi Corporate Cloud Health **SelfHelp** Logs

NEED HELP?

SUPPORT PORTAL



Wrap up/ finals words

- Don't be afraid of Azure AD Join
 - Configuration Manager? Co-management!
 - Config Manager is here to stay (for a while)
 - Declare your route; at your own pace
-
- **Start application testing ASAP!!**



@InTheCloud_247



InTheCloud247.com



/peterklapwijk





Next session at 14:00:

Know the unknown – The hidden treasure called Graph API

Sander Rozemuller

