

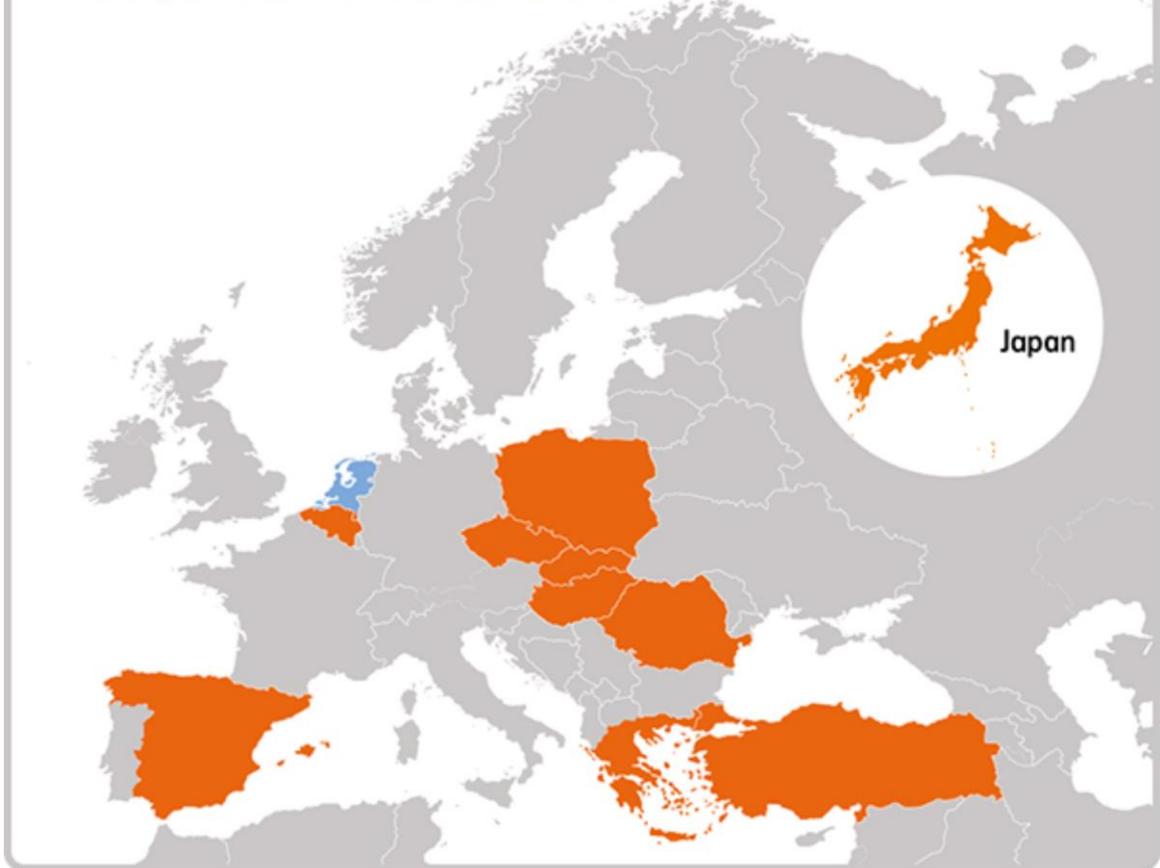
Our journey to a Modern Workplace

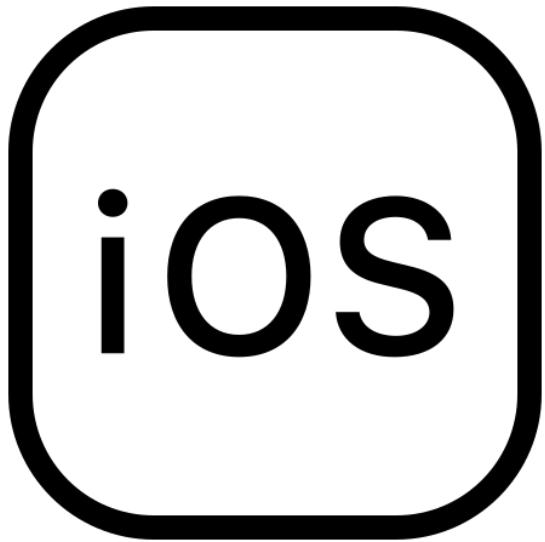


Some background information about NN Group

Our presence

We operate in 11 countries





9000+

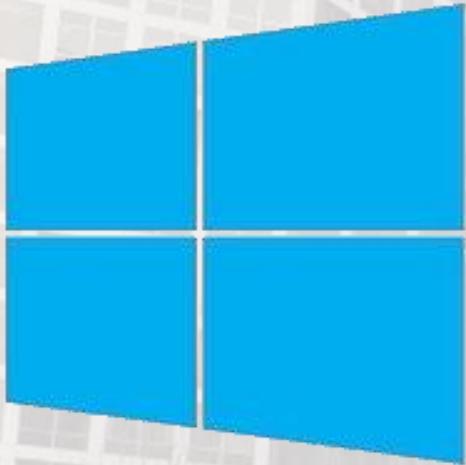


500+



android

3000+



TM

Windows®

16000+ daily active

Peter Klapwijk
Modern Workplace
engineer @ NN Group

Like: Football, blogging

Award: MVP Enterprise
Mobility + Security



What is a
Modern
Workplace?

BUZZWORD

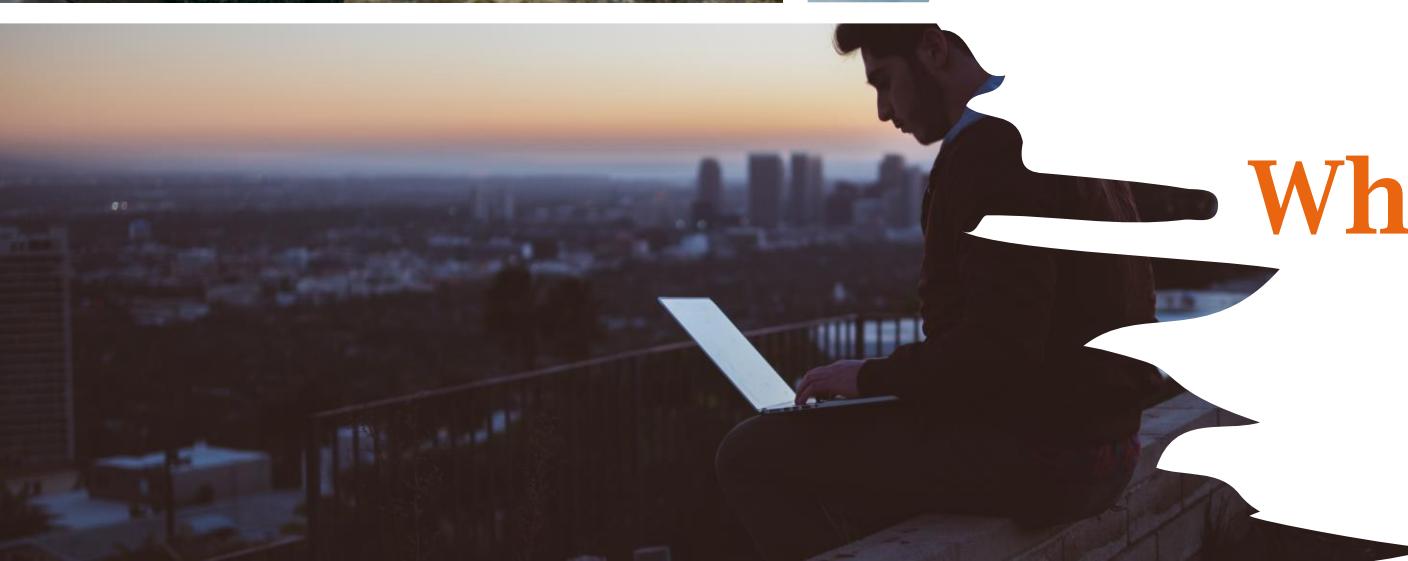
Cloud managed laptop

~~No AD join~~ → Azure AD join

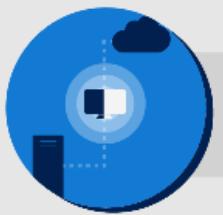
~~No Config Manager~~ → Intune

~~No GPOs~~ → Intune policies

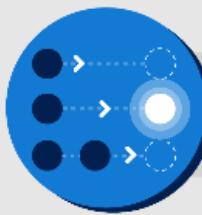
 **Work from Anywhere** 



Why cloud management?



Manage Windows 10 devices with ConfigMgr and Intune at the same time

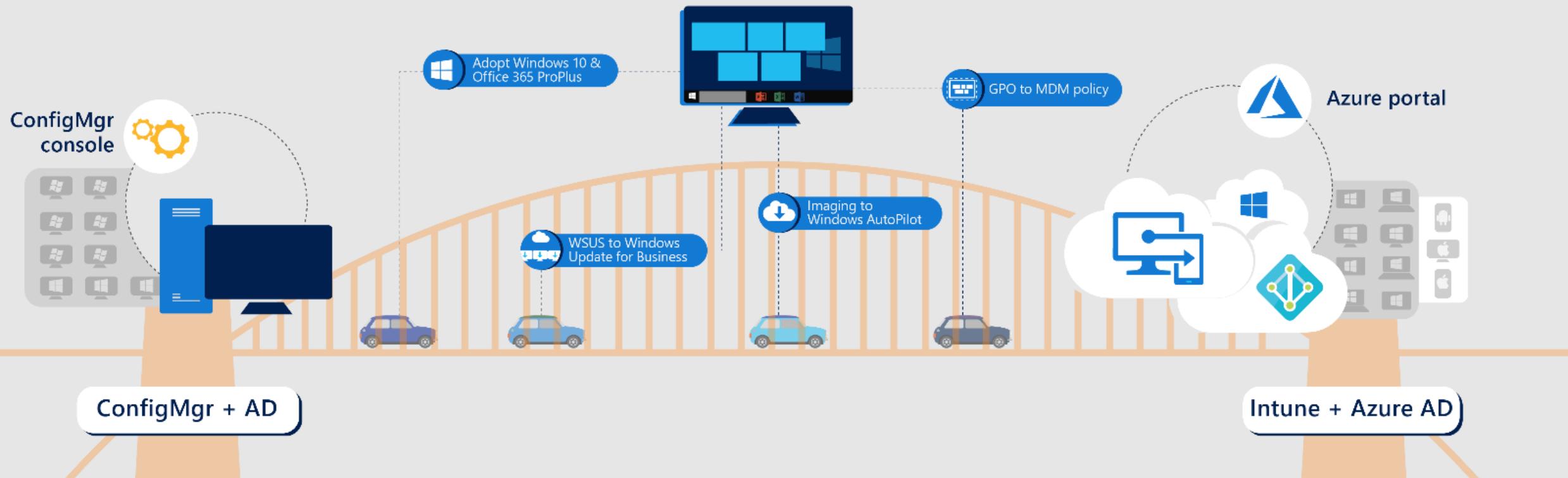


Gradually move specific workloads to Intune in small, manageable steps



Transitioning from traditional to modern management is a simple experience for IT Pros and nondisruptive for end users

Co-management



Benefits of co-management



A practical way to migrate over time



Minimized risk during transition



An integrated solution; simple to implement

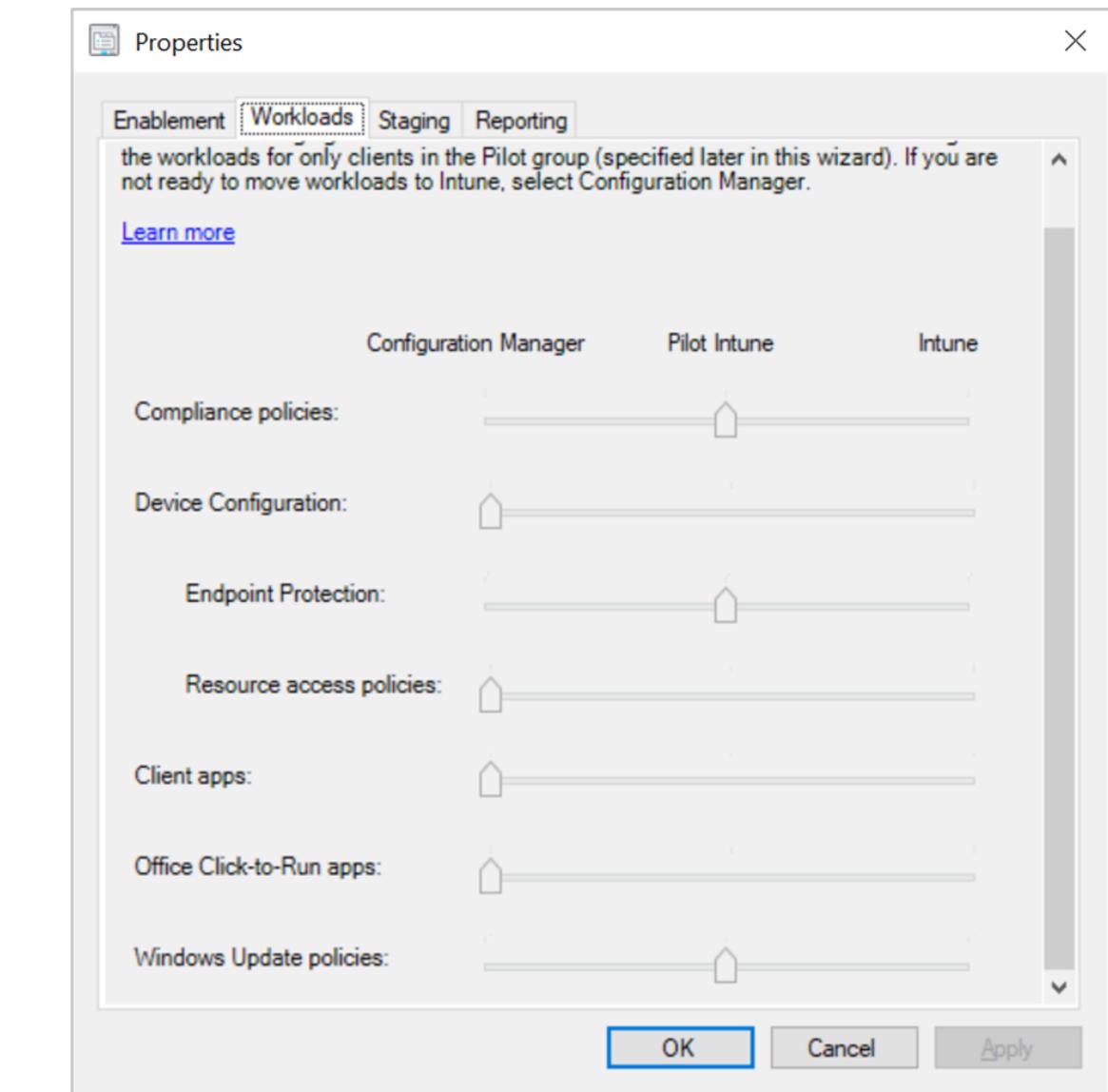


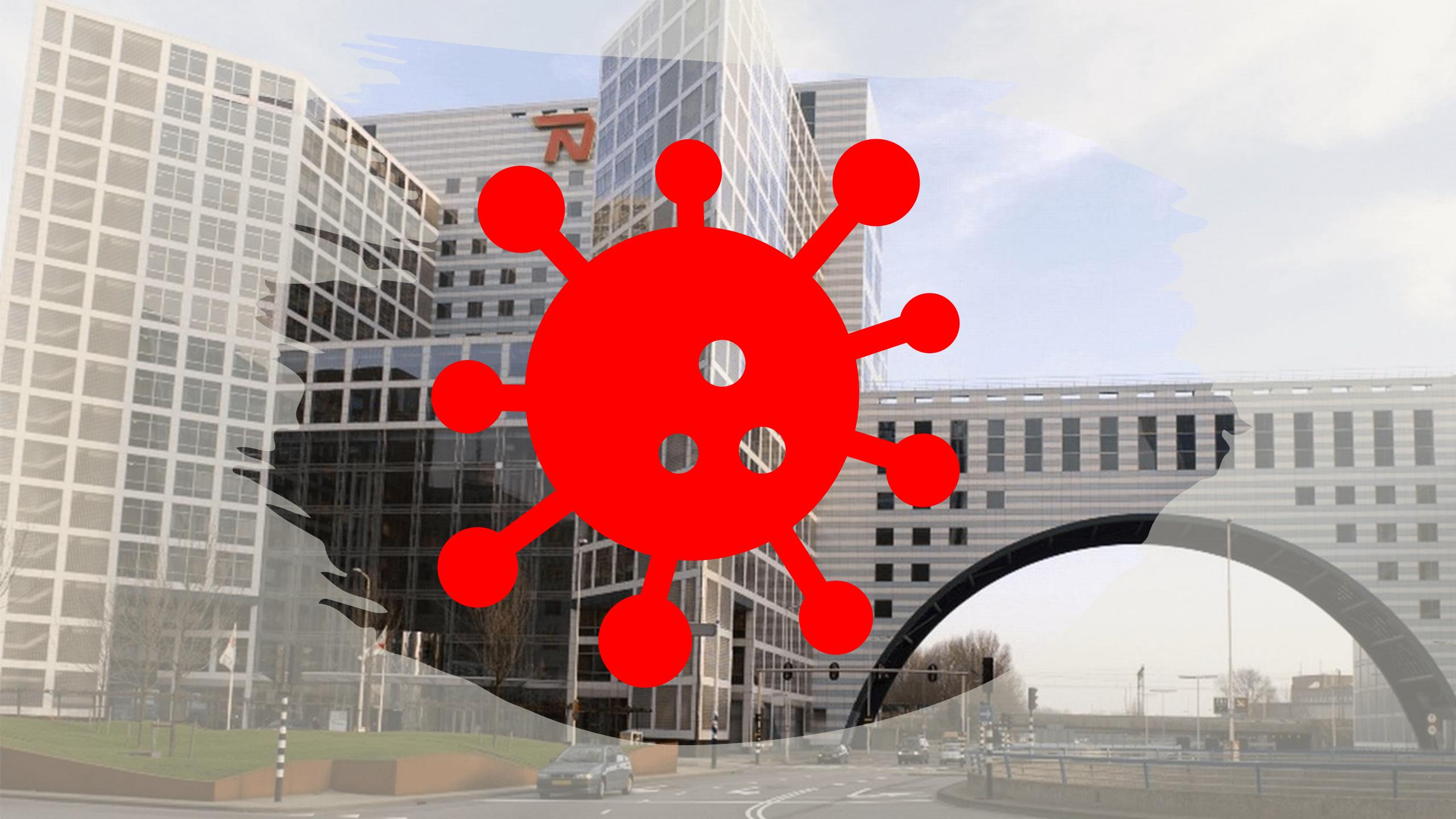
Nondisruptive for end users



Co-management workloads

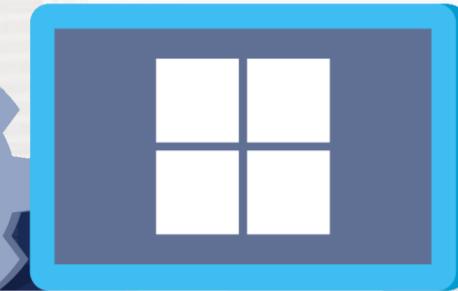
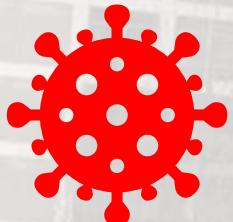
#Just4Clicks





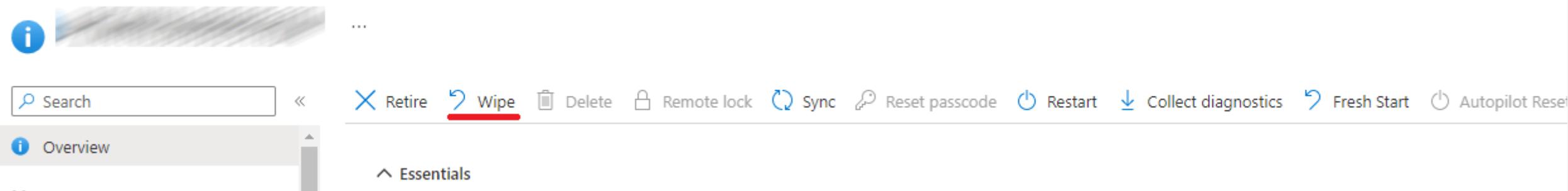


2020



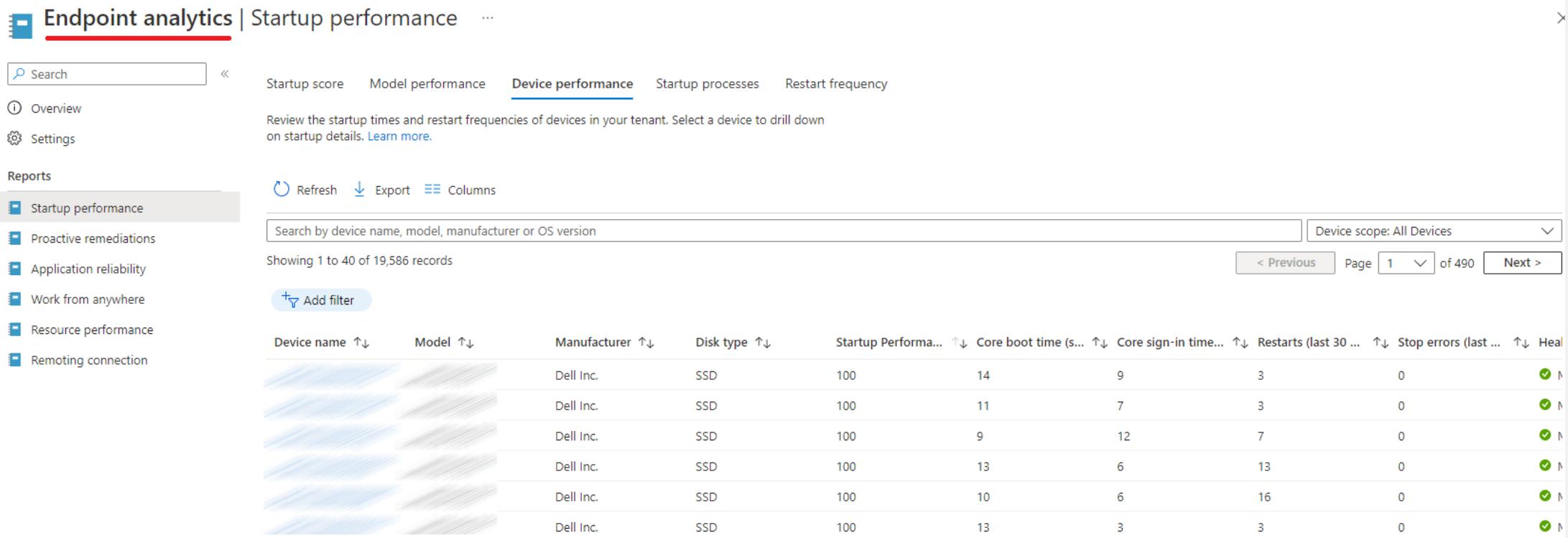
Co-management

Home > Devices | Windows > Windows | Windows devices >



The screenshot shows the Microsoft Intune Device Management interface. At the top, there is a navigation bar with links: Home, Devices, Windows, Windows devices, and a search bar. Below the navigation bar is a toolbar with several actions: Retire, Wipe (which is highlighted with a red underline), Delete, Remote lock, Sync, Reset passcode, Restart, Collect diagnostics, Fresh Start, and Autopilot Reset. On the left side, there is a sidebar with an 'Overview' section and a 'Essentials' section. The main area displays a list of devices.

Home > Reports | Endpoint analytics > Endpoint analytics



The screenshot shows the Microsoft Endpoint Analytics interface. At the top, there is a navigation bar with links: Home, Reports, Endpoint analytics, and Endpoint analytics. Below the navigation bar is a search bar and a toolbar with actions: Refresh, Export, and Columns. On the left, there is a sidebar with sections: Overview, Settings, Reports, and a list of reports: Startup performance (which is highlighted with a red underline), Proactive remediations, Application reliability, Work from anywhere, Resource performance, and Remoting connection. The main area displays a report titled 'Startup performance'. It includes a search bar, a device scope dropdown set to 'All Devices', and a table showing 1 to 40 of 19,586 records. The table has columns: Device name, Model, Manufacturer, Disk type, Startup Performance, Core boot time (s...), Core sign-in time..., Restarts (last 30 ...), Stop errors (last ...), and Health. The data shows multiple entries for Dell Inc. devices with various startup times and performance metrics.

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

Compliance workload

Compliance | Properties Device compliance policy

Search Overview Basics Edit

Manage

Properties

Monitor

Device status User status Per-setting status

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 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

Assignments

Users 0 users and groups selected

Cloud apps or actions No cloud apps, actions, or authentication contexts selected

Conditions 1 condition selected

Access controls Grant 2 controls selected

Session 0 controls selected

Enable policy

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

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

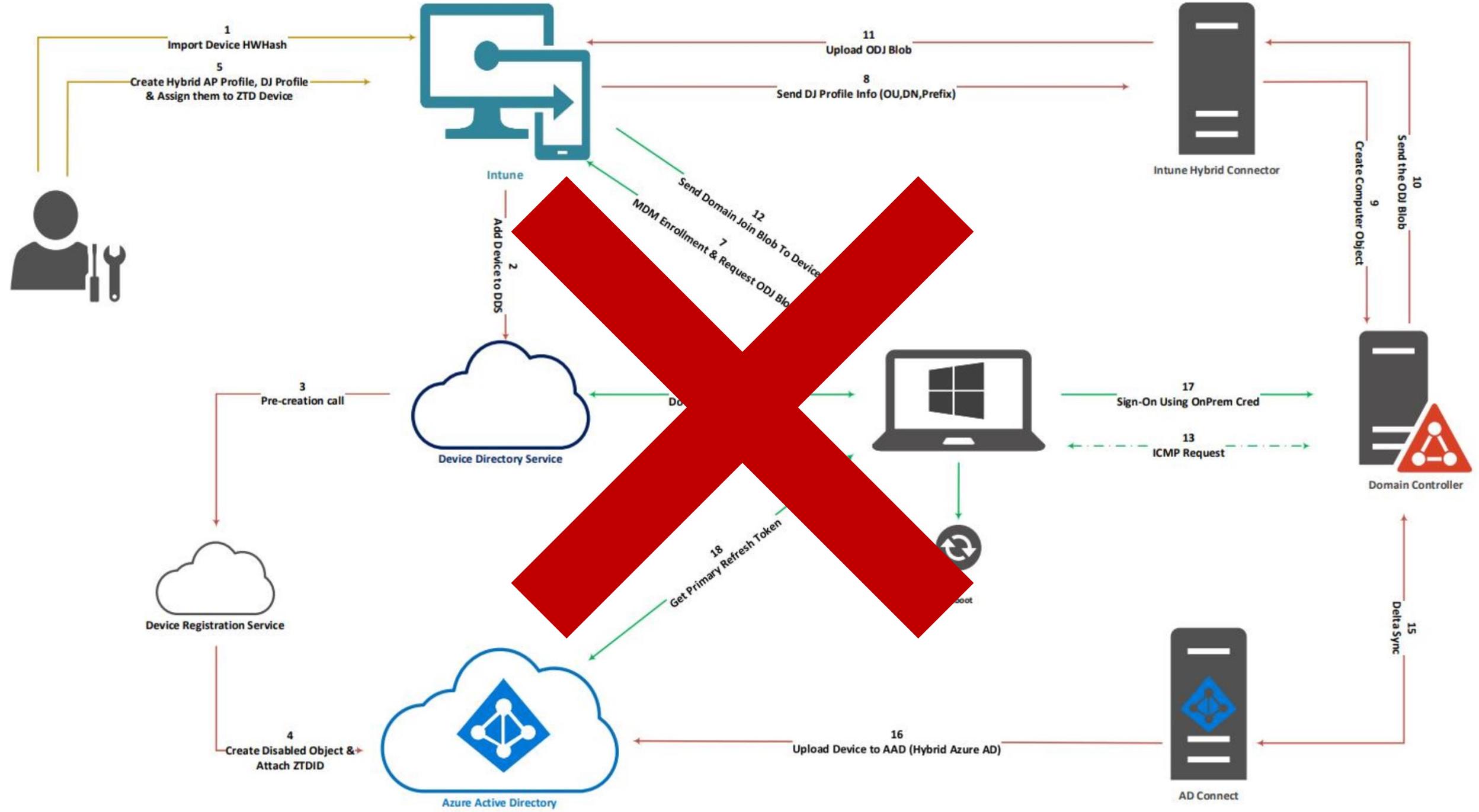
Require Hybrid Azure AD joined device

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

Require approved client app
[See list of approved client apps](#)

Require app protection policy
[See list of policy protected client apps](#)

Require password change



Resource access



Windows Update for Business

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

Windows | Feature updates for Windows 10 and later

The screenshot shows a list of feature update rings for Windows 10 and later. The columns include Name, Feature update version, Assigned, Support, and Support End Date.

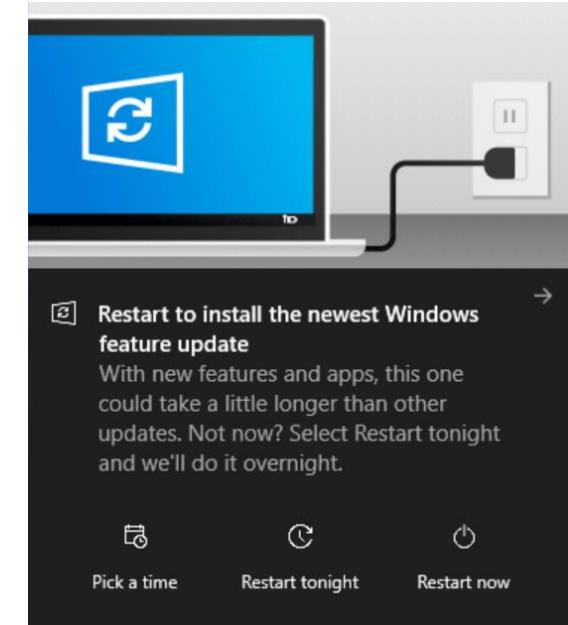
Name ↑	Feature update version	Assigned	Support	Support End Date
·FeatureUpdate Ring 1	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
·FeatureUpdate Ring 2	Windows 10, version 21H2	✓ Yes	✓ Supported	6/11/2024, 2:00:00 AM
·FeatureUpdate Ring 3	Windows 10, version 21H2	✓ Yes	✓ Supported	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

Actions:

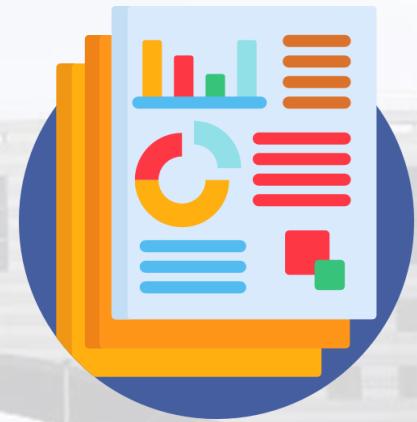
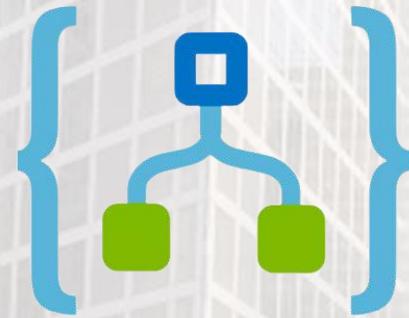
- + Create profile
- ⟳ Refresh
- ⬇ Export
- Columns ▾

Navigation:

- 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



2021



Endpoint protection

Microsoft Endpoint Manager admin center

Home > Endpoint security | Overview

Endpoint security | Overview

Search (Ctrl+ /)

Overview

Endpoint security

All devices

Security baselines

Security tasks

Manage

- Antivirus
- Disk encryption
- Firewall
- Endpoint detection and resp...
- 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.

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

View Security Baselines

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 password	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 data	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 authentication	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 diagnostic	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-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

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

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	

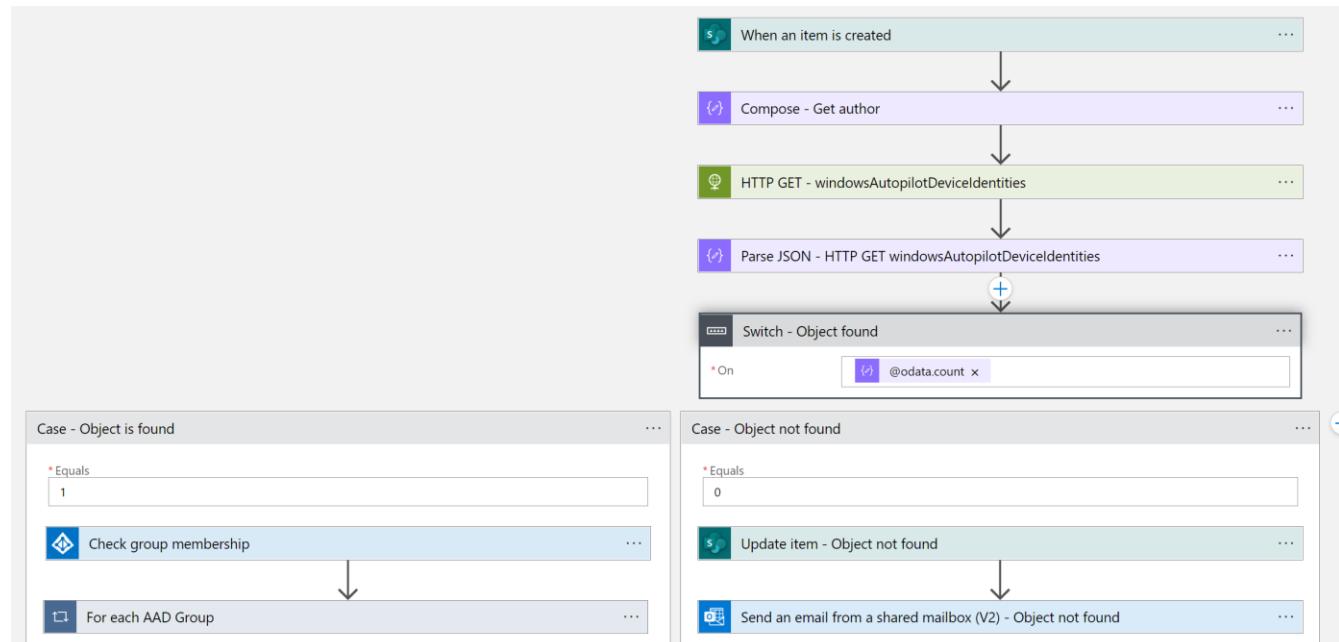
\Microsoft Edge\Update\Applications\Microsoft

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



Device and app reporting

Azure Workbook

Search

Edit Overview Activity log Access control (IAM) Tags

Workbook

Settings

Locks

Automation

Tasks (preview)

Support + troubleshooting

New Support Request

Storage Status

TimeGenerated	ComputerName_s	StorageTotal	StorageFree	StorageFreeRate
1/9/2023, 5:46:20 PM		237 GB	38 GB	16
1/9/2023, 5:47:05 PM		237 GB	150 GB	63
1/9/2023, 5:47:12 PM		237 GB	147 GB	62
1/9/2023, 5:47:35 PM		237 GB	35 GB	14
1/9/2023, 5:48:08 PM		237 GB	172 GB	72
1/9/2023, 5:48:18 PM		237 GB	162 GB	68
1/9/2023, 5:48:57 PM		237 GB	144 GB	60
1/9/2023, 5:50:18 PM		237 GB	159 GB	67
1/9/2023, 5:51:07 PM		237 GB	164 GB	69
1/9/2023, 5:52:20 PM		237 GB	142 GB	59
1/9/2023, 5:56:07 PM		237 GB	151 GB	63

⚠ Results were limited to the first 250 rows.

Device Inventory Summarize

TimeGenerated	ComputerName_s	LastLoggedOnUser_s	LastLoggedOnDisplayName_s	Model_s	Manufacturer_s
1/9/2023, 5:12:00 PM				Latitude 5590	Dell
1/9/2023, 5:12:08 PM				Latitude 7390	Dell
1/9/2023, 5:12:17 PM				Latitude 5310	Dell
1/9/2023, 5:12:26 PM				Latitude 5531	Dell

Edit Auto refresh: Off

Application Inventory

TimeRange: Last 48 hours Search applications: <unset>

AppName	TotalCount	Trend
Adobe Acrobat	2868	
Adobe Acrobat Reader	10781	
Microsoft 365 Apps for enterprise - en-us	15681	
Microsoft Edge	15947	

BIOS reporting

BIOS update resume BIOS update details

Filter on chassis: All ⓘ Filter on model: All ⓘ Type a device name: <unset> ⓘ

Top 10 devices with old BIOS

Last contact	↑↓	Not updated since (in days)	Computer	↑↓	User	↑↓	Model	↑↓	Current BIOS version	↑↓	New BIOS version	↑↓	Chassis	↑↓
5/17/2022, 8:26:04 AM		161	[REDACTED]				Latitude 7420		1.12.2		1.16.2		Laptop	
5/16/2022, 9:08:48 PM		161	[REDACTED]				Latitude 7420		1.12.2		1.16.2		Laptop	
5/17/2022, 7:56:24 AM		161	[REDACTED]				Latitude 7420		1.12.2		1.16.2		Laptop	

BIOS update details (uptodate and not uptodate)

BIOS state ?	↑↓	Computer	↑↓	Chassis	↑↓	User	↑↓	Model	↑↓	Not updated since (in days)	↑↓	Current BIOS version	↑↓	New BIOS version	↑↓
✓		[REDACTED]				Laptop				Latitude 7420		1.4.1		1.16.2	
✓		[REDACTED]				Laptop				Latitude 7420		1.4.1		1.16.2	
✓		[REDACTED]				Laptop				Latitude 7410		1.7.0		1.13.2	

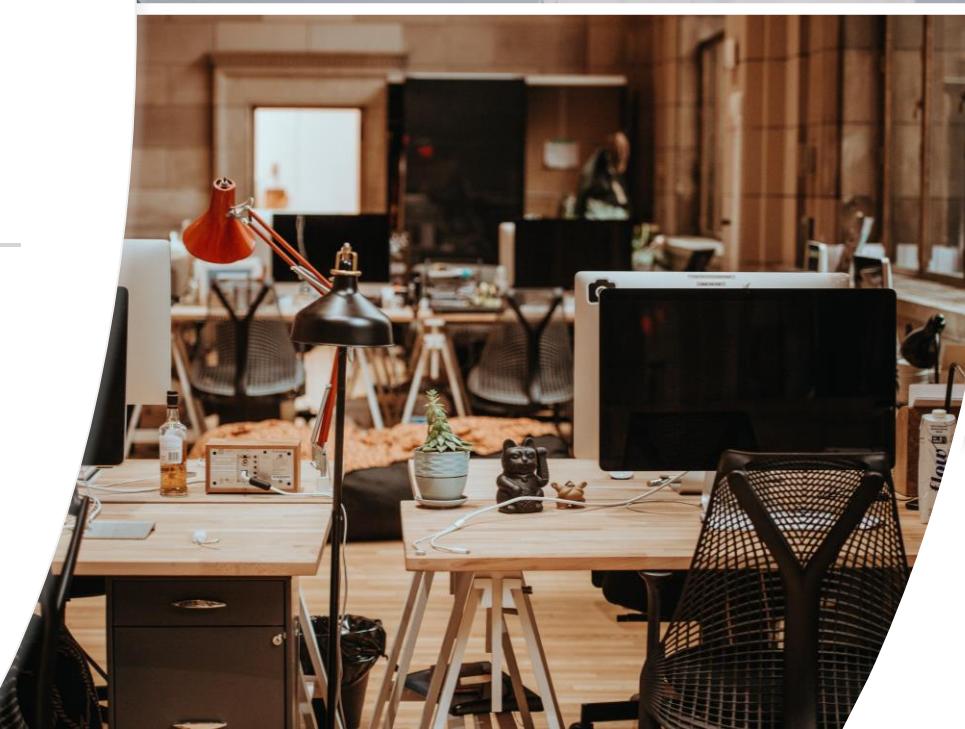
Devices with BIOS not uptodate

Computer	↑↓	User	↑↓	Chassis	↑↓	Model	↑↓	Not updated since (in days)	↑↓	Current BIOS version	↑↓	New BIOS version	↑↓	
[REDACTED]						Laptop		Latitude 7420		79	1.15.0		1.16.2	
[REDACTED]						Laptop		Latitude 7420		132	1.14.1		1.16.2	
[REDACTED]						Laptop		Latitude 7420		132	1.14.1		1.16.2	

Devices with BIOS > 2 years

ⓘ The query returned no results.

2022



Applications

← Company Portal

☰

Search for apps 

Home

Apps

App categories

Downloads & updates

Devices

Help & support

Apps

Sort by: Name ascending 

 Microsoft 365 Apps for... Microsoft Edge Beta Microsoft

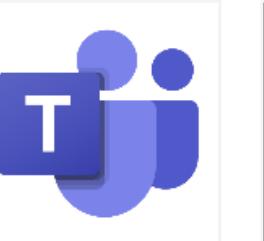
 Microsoft Edge for Windows 10... Microsoft

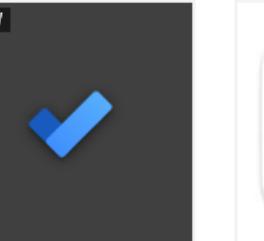
 Microsoft Office 365 (64-bit) Microsoft

 Microsoft Office 365 Project Pro... Microsoft

 Microsoft Office 365 Visio Pro (6... Microsoft

 Microsoft Quick Assist Microsoft

 Microsoft Teams 1.5.0.11163 Microsoft Teams

 NEW Microsoft To Do: Lists, Tasks &... Microsoft

 Microsoft To Do: Lists, Tasks &... Microsoft



**WORK HARD
ANYWHERE**

IMAGE BY ALEX RODRIGUEZ

MacBook Pro



2023

How do we migrate our end-users?



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
- Involve the service desk (1st/2nd line)
- Start application testing ASAP

@InTheCloud_247



InTheCloud247.com



/peterklapwijk

