

# Streamlining Your Update Experience with Windows Update for Business

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**NORDIC**

— VIRTUAL SUMMIT —



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# Agenda

- Introduction
- Configuration
- Reporting
- Troubleshooting
- BIOS /Firmware

# Introduction

Windows Update for Business

# Windows Update for Business

- Pros
  - Devices access Windows Update directly for the updates
    - Simple infrastructure and Less work
  - Simple Management
  - Microsoft hold back updates for “bad” devices (Safeguard Hold)
  - Included driver updates
- Cons
  - Limited Control
  - Maximum 1 year postpone
  - Limited Reporting (it’s getting better)
  - Included driver updates



# Types of updates

- Feature Updates
- Quality Updates
- Driver Updates
- Microsoft Product Updates
  - Other Microsoft products
    - Office that are installed by using Windows Installer (MSI) etc.
  - Office installed by using Click-to-Run can't be updated by using Windows Update for Business.
  - Product updates are off by default.

# Requirements Expedite/Feature updates



- License requirements:
  - Intune + Windows Enterprise E3, VDA or Business Premium
- Windows 10/11 that remains in support
- Hybrid AD joined or Azure AD joined
- Enrolled in Intune MDM
- Telemetry turned on
- *Windows 10/11 Enterprise LTSC/LTSB is **not** supported*

<https://docs.microsoft.com/en-us/mem/intune/protect/windows-10-feature-updates>



# Network - Delivery Optimization

- Save bandwidth
- Networks must allow client-to-client traffic port 7680
- Configure Delivery Optimization
- Useful blogposts to start with:
  - [Delivery Optimization Configuration & Monitoring – MSEndpointMgr](#)
  - [Deep Dive into delivery optimization – Modern Device Management \(jannikreinhard.com\)](#)
  - [Configuring Windows Update for Business settings for your Microsoft Endpoint Manager managed Modern Workplace | Modern Workplace Blog \(vansurksun.com\)](#)

# Pre-Requisite & Configuration

Windows Update for Business

# Generally Available

Feature Updates and quality updates (expedited updates), are (finally) out of preview and now generally available 😊

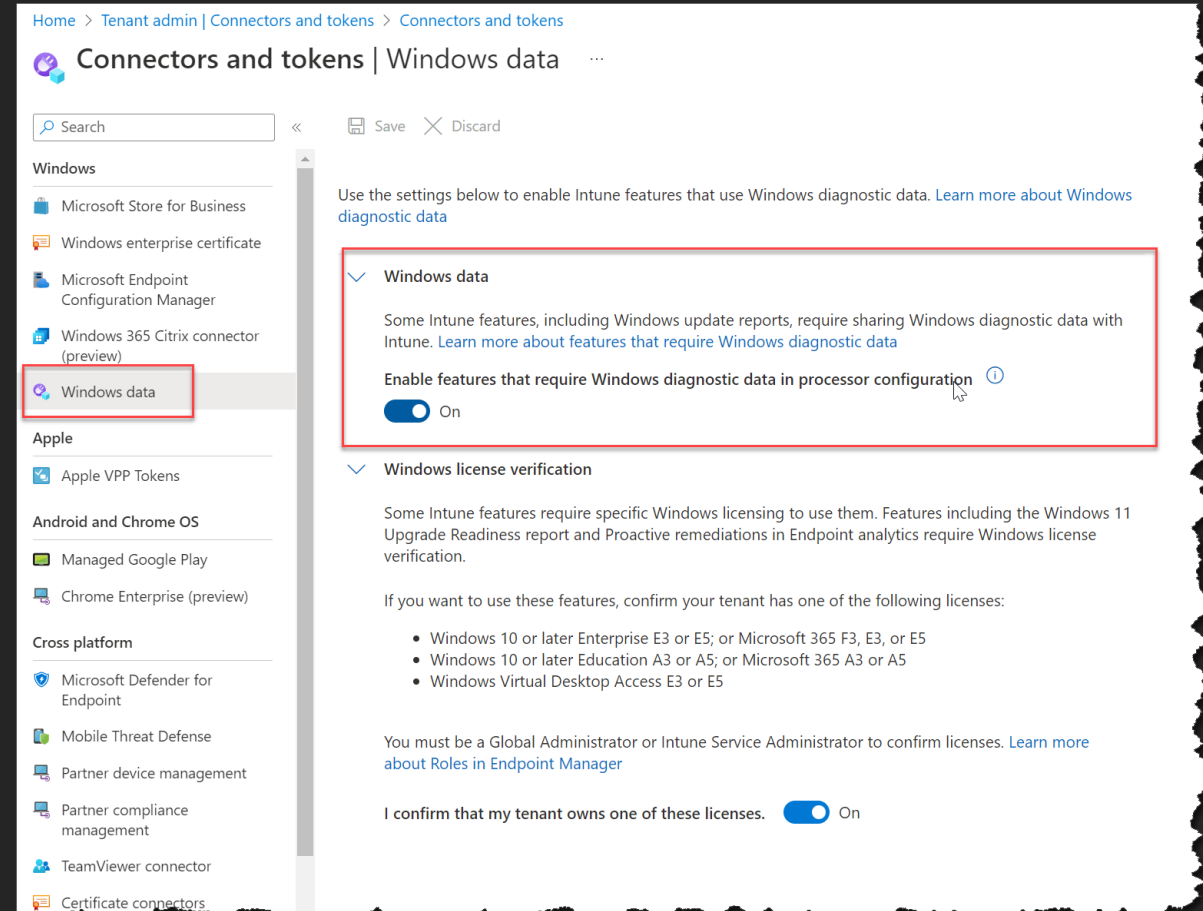
- Service Release 2212 (December 12<sup>th</sup>, 2022).
- The UI still says "Preview"



# Enable use of Windows diagnostic data

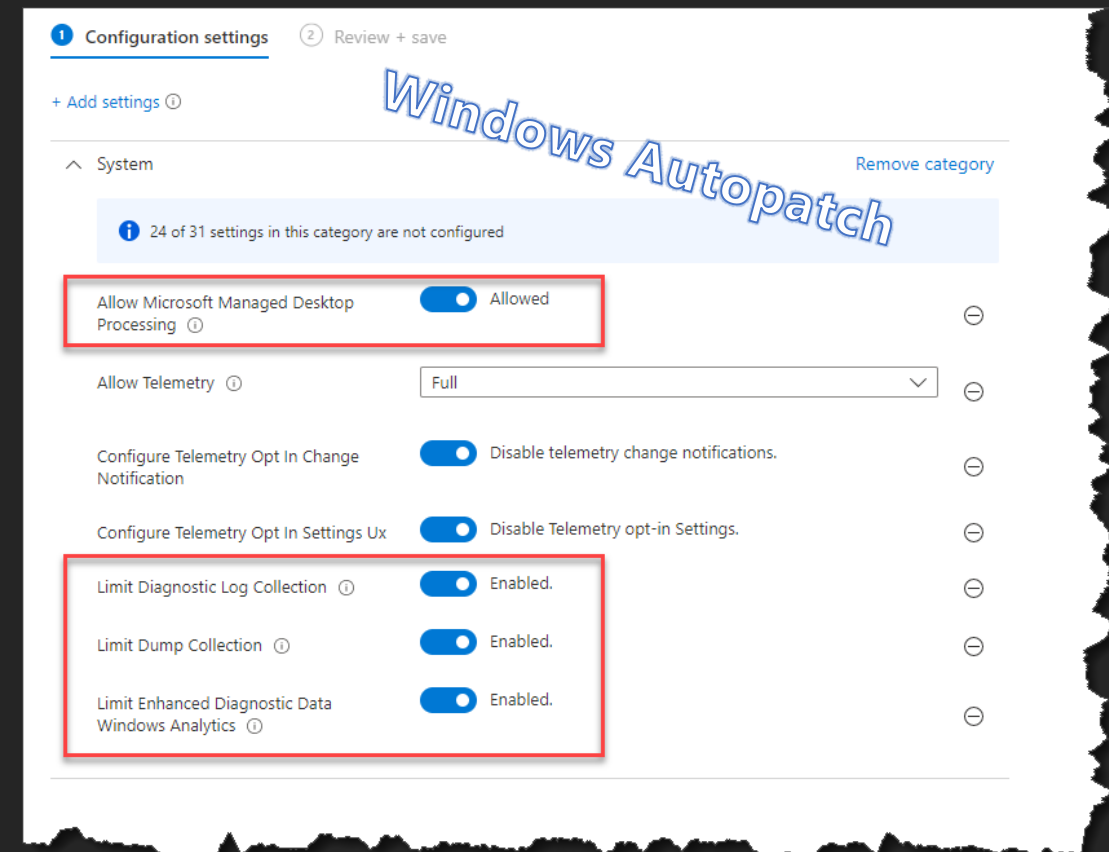
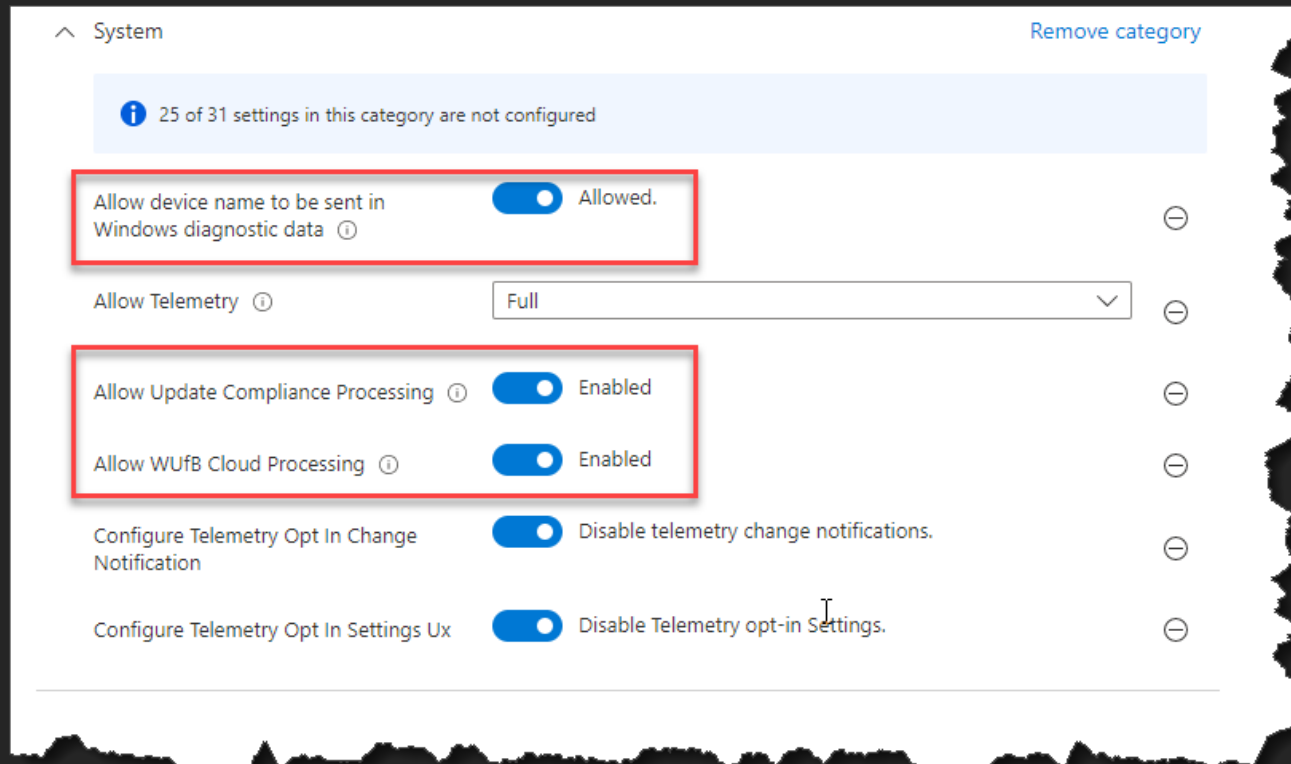
## Configure your tenant

- Windows Diagnostic Data
- License Attestation
- The following features require you to enable this support:
  - Windows feature update device readiness report
  - Windows feature update compatibility risks report



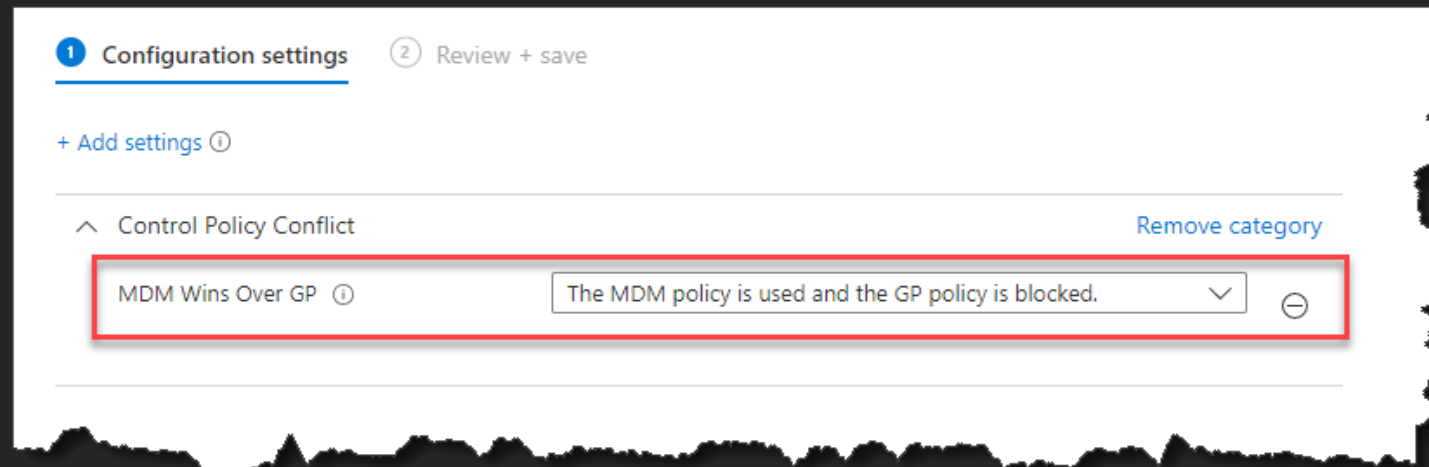
# Policy - Data Collection

- Diagnostic Data (Device Name)
- WUfB Processing



# Policy - Control Policy Conflict

- MDM Wins Over GPO



# Policy – Update Rings

1 Update ring settings 2 Review + save

## Update settings

Microsoft product updates \* ⓘ

Allow Block

Windows drivers \* ⓘ

Allow Block

Quality update deferral period (days) \* ⓘ 0

Feature update deferral period (days) \* ⓘ 0

ⓘ

Upgrade Windows 10 devices to  
Latest Windows 11 release

ⓘ

Yes No

## User experience settings

Automatic update behavior ⓘ

Auto install and restart at maintenance time

Active hours start \* ⓘ

8 AM

Active hours end \* ⓘ

5 PM

Restart checks ⓘ

Allow Skip

Option to pause Windows updates ⓘ

Enable Disable

Option to check for Windows updates ⓘ

Enable Disable

Change notification update level ⓘ

Use the default Windows Update notifications

Use deadline settings ⓘ

Allow Not configured

Deadline for feature updates ⓘ

2

Deadline for quality updates ⓘ

2

Grace period ⓘ

1

Auto reboot before deadline ⓘ

Yes No

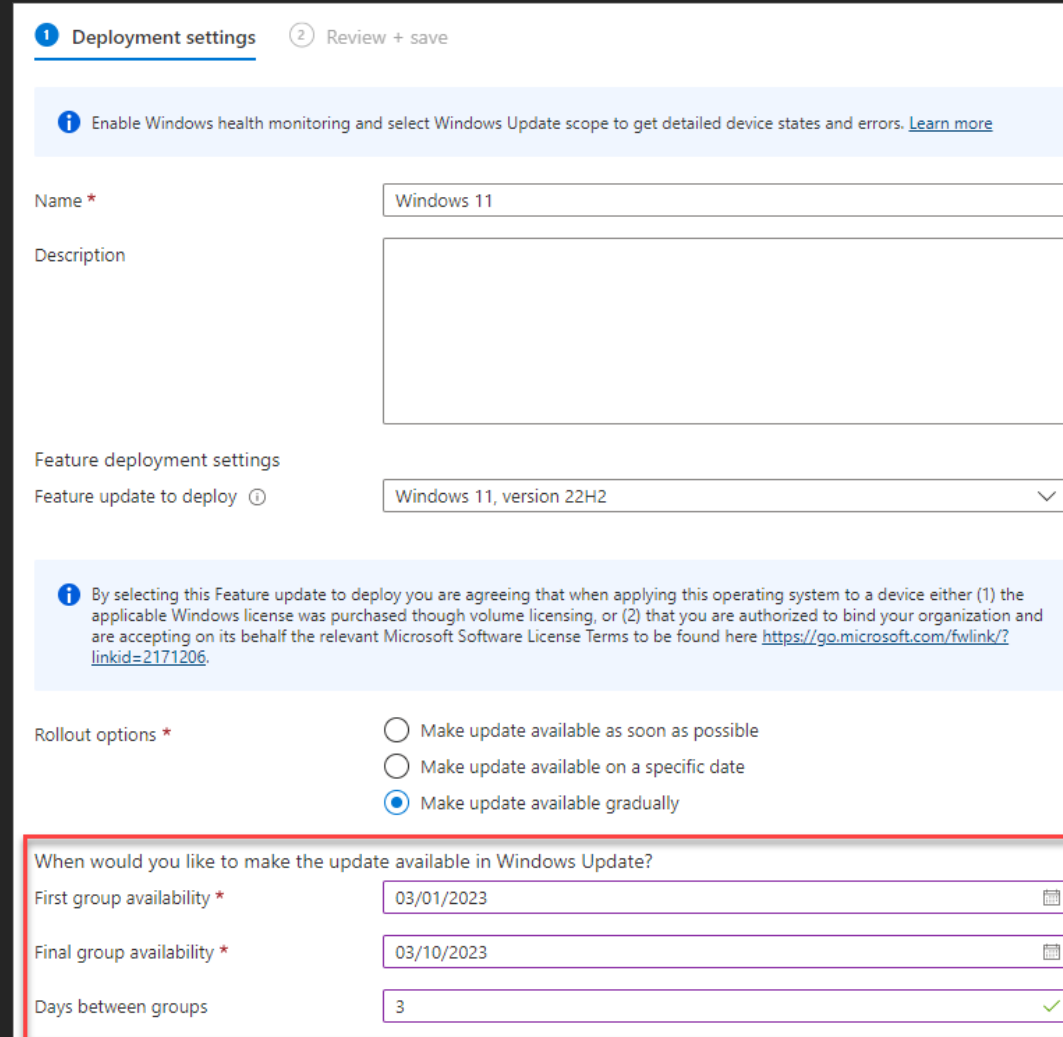
# Feature Update Deployment

## Rollout Options

- First group availability
- Final group availability
- Days between groups

## Example:

- Clients: 400
- First day: 1/3-2023
- Last day: 10/3-2023
- Days between groups: 3
- Result: **4 Rings** x 100 Clients
  - (1/3, 4/3, 7/3, 10/3)



1 Deployment settings 2 Review + save

**i** Enable Windows health monitoring and select Windows Update scope to get detailed device states and errors. [Learn more](#)

Name \* Windows 11

Description

Feature deployment settings

Feature update to deploy ① Windows 11, version 22H2

**i** By selecting this Feature update to deploy you are agreeing that when applying this operating system to a device either (1) the applicable Windows license was purchased through volume licensing, or (2) that you are authorized to bind your organization and are accepting on its behalf the relevant Microsoft Software License Terms to be found here <https://go.microsoft.com/fwlink/?linkid=2171206>.

Rollout options \*

☐ Make update available as soon as possible

☐ Make update available on a specific date

☒ Make update available gradually

When would you like to make the update available in Windows Update?

First group availability \* 03/01/2023

Final group availability \* 03/10/2023

Days between groups 3



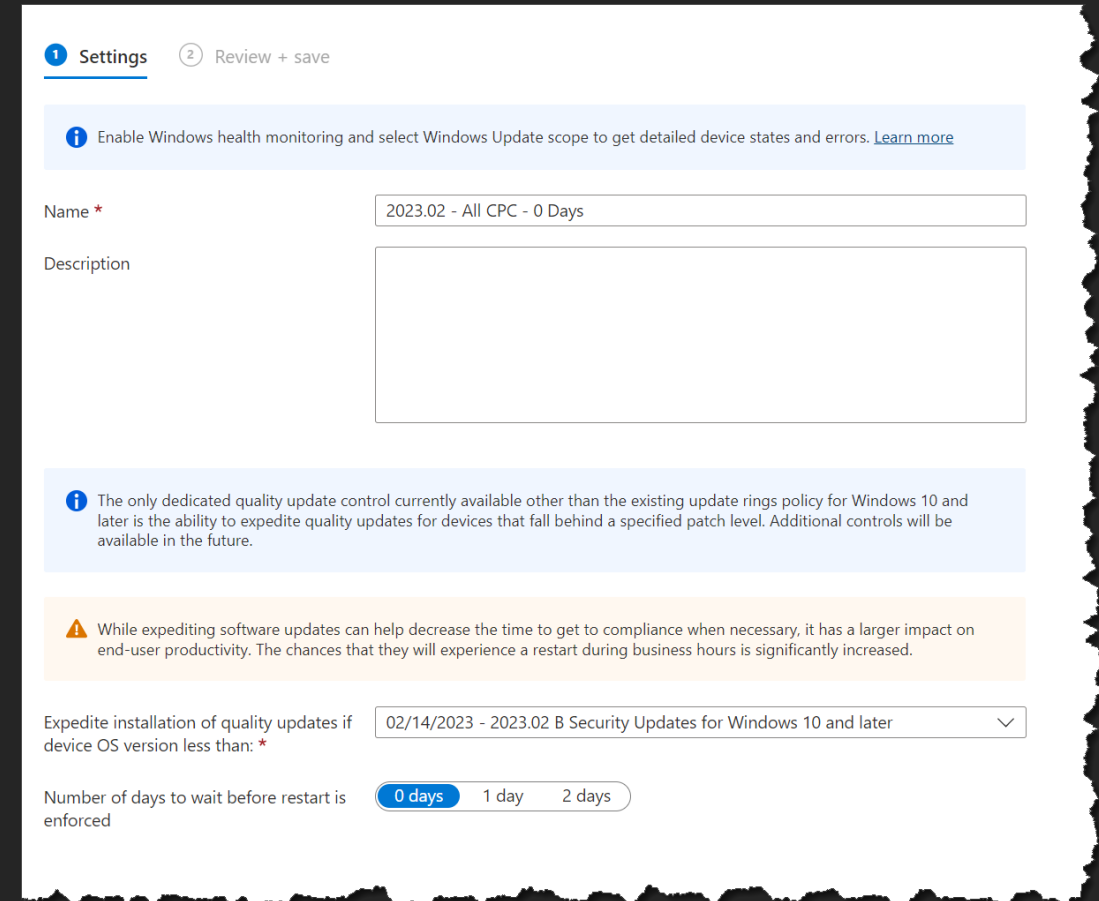
# Quality Updates / Expedited Updates

## Pros

- Expediting software updates can help decrease the time to get to compliant when necessary!

## Cons

- It has a larger impact on end-user productivity.
- The chances that they will experience a restart during business hours is significantly increased!



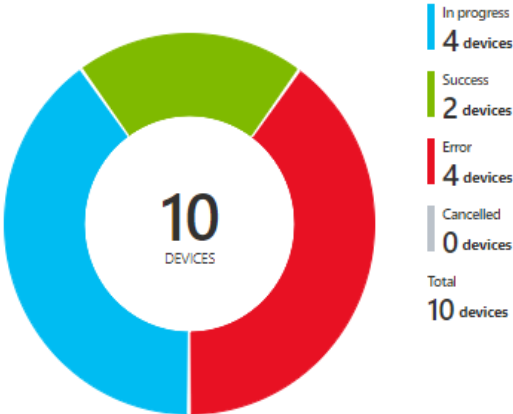
The screenshot shows the Windows Update settings page for Quality Updates. It has two tabs: 'Settings' (active) and 'Review + save'. A blue information banner at the top says: 'Enable Windows health monitoring and select Windows Update scope to get detailed device states and errors. [Learn more](#)'. Below this, there is a 'Name' field with the value '2023.02 - All CPC - 0 Days' and an empty 'Description' text area. Another blue information banner states: 'The only dedicated quality update control currently available other than the existing update rings policy for Windows 10 and later is the ability to expedite quality updates for devices that fall behind a specified patch level. Additional controls will be available in the future.' Below that, an orange warning banner says: 'While expediting software updates can help decrease the time to get to compliance when necessary, it has a larger impact on end-user productivity. The chances that they will experience a restart during business hours is significantly increased.' At the bottom, there is a dropdown menu for 'Expedite installation of quality updates if device OS version less than:' with the selected value '02/14/2023 - 2023.02 B Security Updates for Windows 10 and later'. Below the dropdown are three radio buttons for 'Number of days to wait before restart is enforced': '0 days' (selected), '1 day', and '2 days'.

# Windows 10 and later Expedited updates

Columns Export

Enable Windows health monitoring and select Windows Update scope to get detailed device states and errors. [Learn more.](#)

Report generated on: 2/16/2023, 10:15:26 AM



Expedited update policy 2023.02 - All CPC - 0 Days  
[Select an expedited update profile](#)  
[Unselect filter](#)

Update aggregated status

Ownership

[Generate again](#) [Cancel](#)

Status:  
12 hours

Search by device name, primary UPN, Intune device ID or Azure AD device ID

Showing 1 to 10 of 10 records

< Previous Page 1 of 1 Next >

Devices ↑↓	UPN ↑↓	Intune Device ID ↑↓	AAD Device ID ↑↓	Last Event Time ↑↓	Update State	Update Substate	Update Aggregated State	Alert Type	Last Scan Time ↑↓
CPC-hca-L7NPIFN	hca@apento.com	1499ee07-8485-4151-9bd...	ef4d4f76-140e-4af2-a5ed-...	2/15/2023, 9:06:09 PM	Pending	Scheduled	In progress	Not applicable	Not scanned yet
CPC-jfb-0F3GA4E	jfb@apento.com	4e944d7d-817a-4295-b66...	31cab691-7358-49b5-b2d...	2/15/2023, 9:03:59 PM	Needs attention	Needs attention	Error	Expedite client missing	Not scanned yet
CPC-jok-YMMIM9T	jok@apento.com	2505394d-eac9-4ce9-958...	7e7544d7-3e0b-4d71-ab9...	2/16/2023, 12:52:09 AM	Offering	Offer ready	In progress	Not applicable	Not scanned yet
CPC-mat-K51PVH9	mat@apento.com	2850618d-0cd4-4510-958...	310f9e15-cef1-473f-86c3-...	2/15/2023, 9:06:09 PM	Needs attention	Needs attention	Error	Expedite client missing	Not scanned yet
CPC-mba-47OYESD	mba@apento.com	404665e5-4ed1-4a9b-bd2...	4406cf29-f7a3-485d-b7c8...	2/15/2023, 9:01:17 PM	Offering	Offer ready	In progress	Not applicable	Not scanned yet
CPC-mth-CJCKPTK	mth@apento.com	51909c6a-d71a-405d-af89...	a1640001-e49f-4096-81c5...	2/15/2023, 9:06:10 PM	Needs attention	Needs attention	Error	Expedite client missing	Not scanned yet
CPC-mum-V4PBYLJ	mum@apento.com	faa56789-dffc-4687-b923-...	313a3732-f129-4df9-acfe-...	2/16/2023, 12:39:02 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 12:39:02 AM
CPC-psd-5MS9LYD	psd@apento.com	82252f31-04d5-4883-9fbc...	26c2c485-c82c-4c9b-a78e...	2/15/2023, 9:26:22 PM	Offering	Offer ready	In progress	Not applicable	Not scanned yet
CPC-rcn-CKW05MD	rcn@apento.com	98fb28cf-39d8-4ab1-aff6-...	61393c59-5a39-4531-919...	2/15/2023, 9:04:56 PM	Needs attention	Needs attention	Error	Expedite client missing	Not scanned yet
CPC-rop-I4Q18VL	rop@apento.com	c05260f2-8c78-4ed1-819f...	f814e6f7-6a6c-462f-9e6f-...	1/25/2023, 7:51:31 PM	Installed	Update installed	Success	Not applicable	1/25/2023, 7:51:31 PM

# Update for Windows Update Service components (KB4023057)

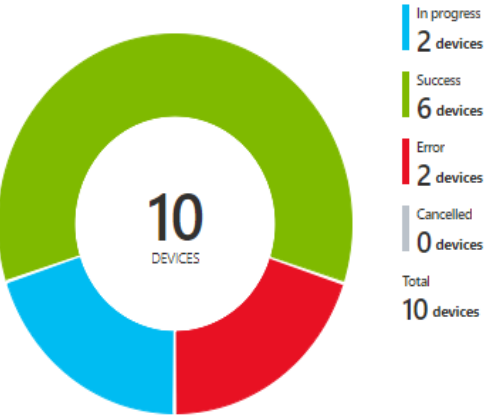
- All builds of Windows 10 and Windows 11 require this update!



<https://support.microsoft.com/en-us/topic/kb4023057-update-for-windows-update-service-components-fccad0ca-dc10-2e46-9ed1-7e392450fb3a>

Enable Windows health monitoring and select Windows Update scope to get detailed device states and errors. [Learn more.](#)

Report generated on: 2/16/2023, 6:48:20 PM



Expedited update policy

2023.02 - All CPC - 0 Days  
[Select an expedited update profile](#)  
[Unselect filter](#)

Update aggregated status

All

Ownership

All

Generate again

Cancel

Status:  
24 hours

Search by device name, primary UPN, Intune device ID or Azure AD device ID

Showing 1 to 10 of 10 records

< Previous

Page 1 of 1

Next >

Devices ↑↓	UPN ↑↓	Intune Device ID ↑↓	AAD Device ID ↑↓	Last Event Time ↑↓	Update State	Update Substate	Update Aggregated State	Alert Type	Last Scan Time ↑↓
CPC-hca-L7NP1FN	hca@apento.com	1499ee07-8485-4151-9bd3-...	ef4d4f76-140e-4af2-a5ed-3e...	2/16/2023, 7:20:40 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 7:20:40 AM
CPC-jfb-0F3GA4E	jfb@apento.com	4e944d7d-817a-4295-b667-...	31cab691-7358-49b5-b2d8-...	2/16/2023, 11:35:05 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 11:35:05 AM
CPC-jok-YMMIM9T	jok@apento.com	2505394d-eac9-4ce9-9584-...	7e7544d7-3e0b-4d71-ab99-...	2/16/2023, 6:21:51 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 6:21:51 AM
CPC-mat-K51PVH9	mat@apento.com	2850618d-0cd4-4510-958a-...	310f9e15-cef1-473f-86c3-4d...	2/15/2023, 9:06:09 PM	Needs attention	Needs attention	Error	Expedite client missing	2/16/2023, 11:42:05 AM
CPC-mba-47OYESD	mba@apento.com	404665e5-4ed1-4a9b-bd24-...	4406cf29-f7a3-485d-b7c8-c...	2/16/2023, 1:16:46 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 1:16:46 AM
CPC-mth-CJCKPTK	mth@apento.com	51909c6a-d71a-405d-af89-3...	a1640001-e49f-4096-81c5-6...	2/16/2023, 12:55:03 PM	Offering	Offer ready	In progress	Not applicable	Not scanned yet
CPC-mum-V4PBYLJ	mum@apento.com	faa56789-dffc-4687-b923-cd...	313a3732-f129-4df9-acfe-c1...	2/16/2023, 12:39:02 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 12:39:02 AM
CPC-psd-5MS9LYD	psd@apento.com	82252f31-04d5-4883-9fbc-e...	26c2c485-c82c-4c9b-a78e-f...	2/16/2023, 5:08:30 AM	Installed	Update installed	Success	Not applicable	2/16/2023, 5:08:30 AM
CPC-rcn-CKW05MD	rcn@apento.com	98fb28cf-39d8-4ab1-aff6-fe...	61393c59-5a39-4531-9198-...	2/15/2023, 9:04:56 PM	Needs attention	Needs attention	Error	Expedite client missing	Not scanned yet
CPC-rop-I4Q18VL	rop@apento.com	c05260f2-8c78-4ed1-819f-6...	f814e6f7-6a6c-462f-9e6f-ab...	2/16/2023, 12:55:02 PM	Offering	Offer ready	In progress	Not applicable	1/25/2023, 7:51:31 PM

# Office Updates

- Office Configuration (All)

Microsoft Office 2016 (Machine) [Remove category](#)

**Updates** [Remove subcategory](#)

**i** 18 of 25 settings in this subcategory are not configured

Enable Automatic Updates [i](#) ☒ Enabled [⊖](#)

Hide option to enable or disable updates [i](#) ☒ Enabled [⊖](#)

Hide Update Notifications [i](#) ☐ Disabled [⊖](#)

Update Channel [i](#) ☒ Enabled [⊖](#)

Channel Name: (Device) \*

Update Path [i](#) ☒ Enabled [⊖](#)

Location for updates: (Device)

- Deployment Rings

Microsoft Office 2016 (Machine) [Remove category](#)

**Updates** [Remove subcategory](#)

**i** 21 of 25 settings in this subcategory are not configured

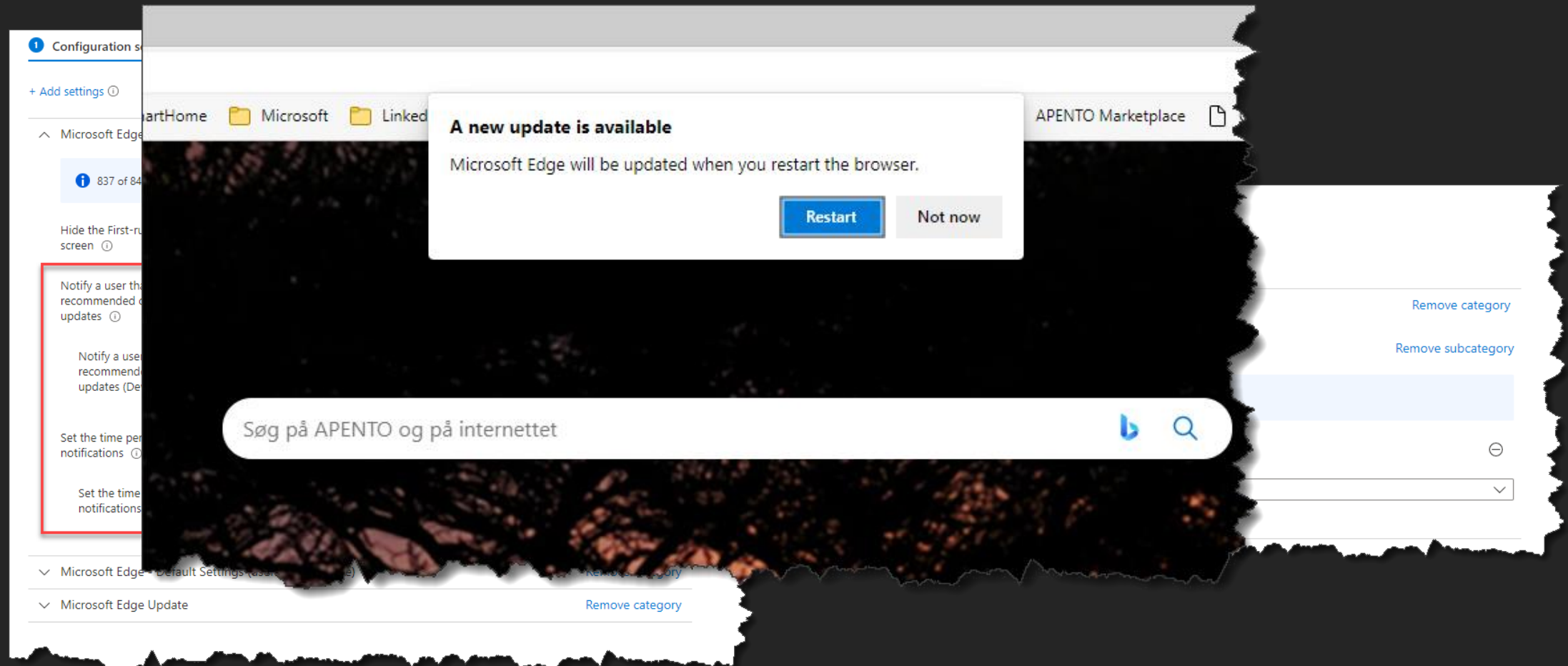
Delay downloading and installing updates for Office [i](#) ☒ Enabled [⊖](#)

Days: (Device) \*

Update Deadline [i](#) ☒ Enabled [⊖](#)

Deadline: (Device)

# Microsoft Edge



# Reporting

Windows Update for Business



# Reports: Windows updates

Home > Reports

## Reports | Windows updates (preview) ...

Search

Overview

Device management

- Device compliance
- Device configuration (preview)
- Group policy analytics (preview)
- Windows updates (preview)

Endpoint security

- Microsoft Defender Antivirus
- Firewall

Analytics

- Endpoint analytics

Intune data warehouse

- Data warehouse

Summary Reports

Refresh

Last refreshed on: 12/02/2023, 14:28:01

### Windows Feature updates

In progress: 0 devices | Success: 15 devices | Error: 0 devices | Rollback initiated or comp...: 0 devices | Cancelled: 0 devices | On hold: 0 devices | Total: 9 devices

Profile	↑↓	Versions	↑↓	Success	↑↓	Error	↑↓	In progress	↑↓	Rollback initiated...	↑↓	Cancelled	↑↓	Onhold	↑↓
Moden															
Moden															
Moden															
Moden															
Moden															

Refresh

Last refreshed on: 12/02/2023, 14:28:15

### Windows Expedited Quality updates

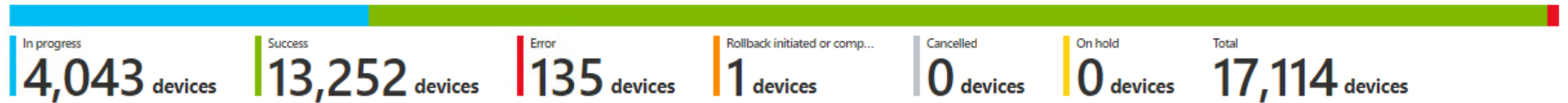
In progress: 0 devices | Success: 14 devices | Error: 3 devices | Cancelled: 0 devices | Total: 17 devices

Profile	↑↓	Versions	↑↓	Success	↑↓	Error	↑↓	In progress	↑↓	Cancelled	↑↓
High Priority patching September 2022		2022-09-13T00:00:00Z		14		3		0		0	



# Customer after 60 days (gradually roll-out)

## Windows Feature updates



Profile	↑↓	Versions	↑↓	Success	↑↓	Error	↑↓	In progress	↑↓	Rollback initiate...	↑↓	Cancelled
Feature Update for devices running old versions of Windows		Windows 10, version 21H2		17		1		112		0		0
Feature Updates - Ring 0 (Windows 11 21H2)		Windows 11, version 21H2		32		1		15		0		0
Feature Updates - Ring 1 (Windows 10 21H2)		Windows 10, version 21H2		448		14		111		0		0
Feature Updates - Ring 2 (Windows 10 21H2)		Windows 10, version 21H2		945		4		189		0		0
Feature Updates - Ring 3 (Windows 10 21H2)		Windows 10, version 21H2		11810		115		3616		1		0

# Update Compliance is retired



- Update Compliance is retiring on March 31st, 2023, enroll in WUfB reports by February 14th.
- No CommercialID needed anymore

More information: <https://aka.ms/wufbreportsGA>

# Windows Update for Business Reports

- Microsoft 365 admin center
- The “Gap” challenge
- Requires Azure Subscription

<https://aka.ms/wufbreports>

## Software updates

Microsoft 365 apps (Microsoft 365)

Windows

Learn how to manage your updates through the cloud with [Windows Update for Business](#). Find information about known issues for currently supported versions of the Windows operating system on [Windows release health](#).

[Go to Windows Update for Business reports](#)

[Configure settings](#)

### Windows update status

## 8% of devices are running unsupported operating systems

Devices that are not up to date are missing the latest security updates and therefore aren't eligible for Microsoft Support.

Devices by update status

12 AAD Enrolled devices



■ Up To Date ■ Missing Security Updates ■ Unsupported Operating Systems

### End of servicing

## Zero devices are reaching end of servicing

Some Windows versions are reaching end of servicing. Microsoft recommends that you update your devices to the latest version of Windows 10 or upgrade eligible devices to Windows 11 to take advantage of new features and advanced protections from the latest security threats.


Version

Status

Number of devices

# MSEndpointMgr – Windows Update compliance Dashboard

- Downloadable Workbook
- More details



## Windows Update Compliance Dashboard

An update compliance reporting solution for Windows client devices. Built by Jan Ketil Skanke, Sandy Zeng and Maurice Daly.

The purpose of this dashboard is to give you full oversight of your Windows client device patching health. This includes;

1. Patch compliance state over time
2. Feature update state, including support
3. Patch content source, and download figures per category
4. Patching issues reported

**Note:** Values are based on information obtained from multiple logs. The source date entries are opposite

**⚠ Important - Onboarding URL Documentation**

In order for clients to communicate with Microsoft telemetry services, please ensure that endpoints listed in the following documentation links are available through your firewall / proxy servers;

<https://docs.microsoft.com/en-us/windows/privacy/manage-windows-1809-endpoints#windows-update>  
<https://docs.microsoft.com/en-us/windows/deployment/update/update-compliance-configuration-manual#required-endpoints>  
<https://docs.microsoft.com/en-us/mem/intune/protect/windows-10-expedite-updates>

Time Range: Last 90 days

Update Summary   Quality Update History   Details by Device   Details by Update   Update Issues   Delivery Optimization   Feature Updates   Windows 11 Readiness   Microsoft Office, Edge & Third Party

### Update Compliance Health

Update compliance is operational on your devices.

### Active Device Count

14

Intune managed devices (> ago(90d))

### Windows Update for Business

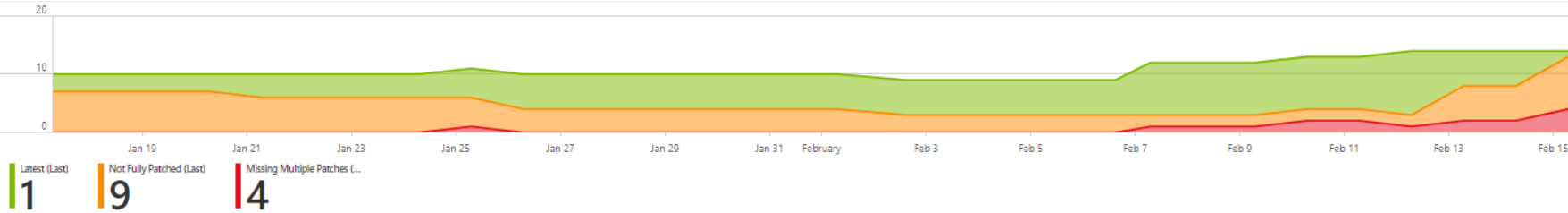
Windows Update for Business is reporting that not all of your devices are registered. This can be due to your update workload configuration, and/or retired devices in your environment.

### WUfB Devices

15

Registered devices (> ago(90d))

Quality Update Patch Trend



Successful Quality Update Installs - Per Day



Patch Installation State

The query returned no results.

# Defender for Endpoint

- This is what your security department will use.
- GAP challenge

Security recommendations > Windows 11

## W1 Windows 11

[Overview](#) [Security recommendations \(69\)](#) [Discovered vulnerabilities \(267\)](#) [Installed devices \(17\)](#) [Version distribution \(9\)](#) [Missing KBs \(11\)](#) [Event tim](#)

### Entity summary

#### Software details

Vendor	OS platform
Microsoft	Windows
Installed on	Exposed devices
17	15

#### Threat context

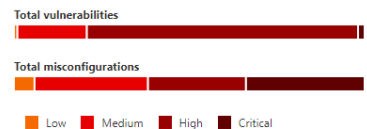
Exploits available  
Yes

#### Recommendations

Impact  
▼ 39.50

#### Discovered weaknesses

**267 vulnerabilities and 68 ...**



[See all vulnerabilities](#)  
[See all misconfigurations](#)

#### Exposed devices

**15 exposed devices out of 17 installed devices**



#### Top events (7 days)

Date (UTC)	Event	Originally impacted devices (%)
Jan 10, 2023 ...	Microsoft Windows 11 has 64 new vulnerabilities, impacting 10 devices	10 (<1%)
Feb 14, 2023 ...	Microsoft Windows 11 has 33 new vulnerabilities, impacting 13 devices	13 (72%)
Dec 13, 2022 ...	Microsoft Windows 11 has 24 new vulnerabilities, impacting 7 devices	7 (<1%)

[Latest events](#)

#### Top events (7 days)

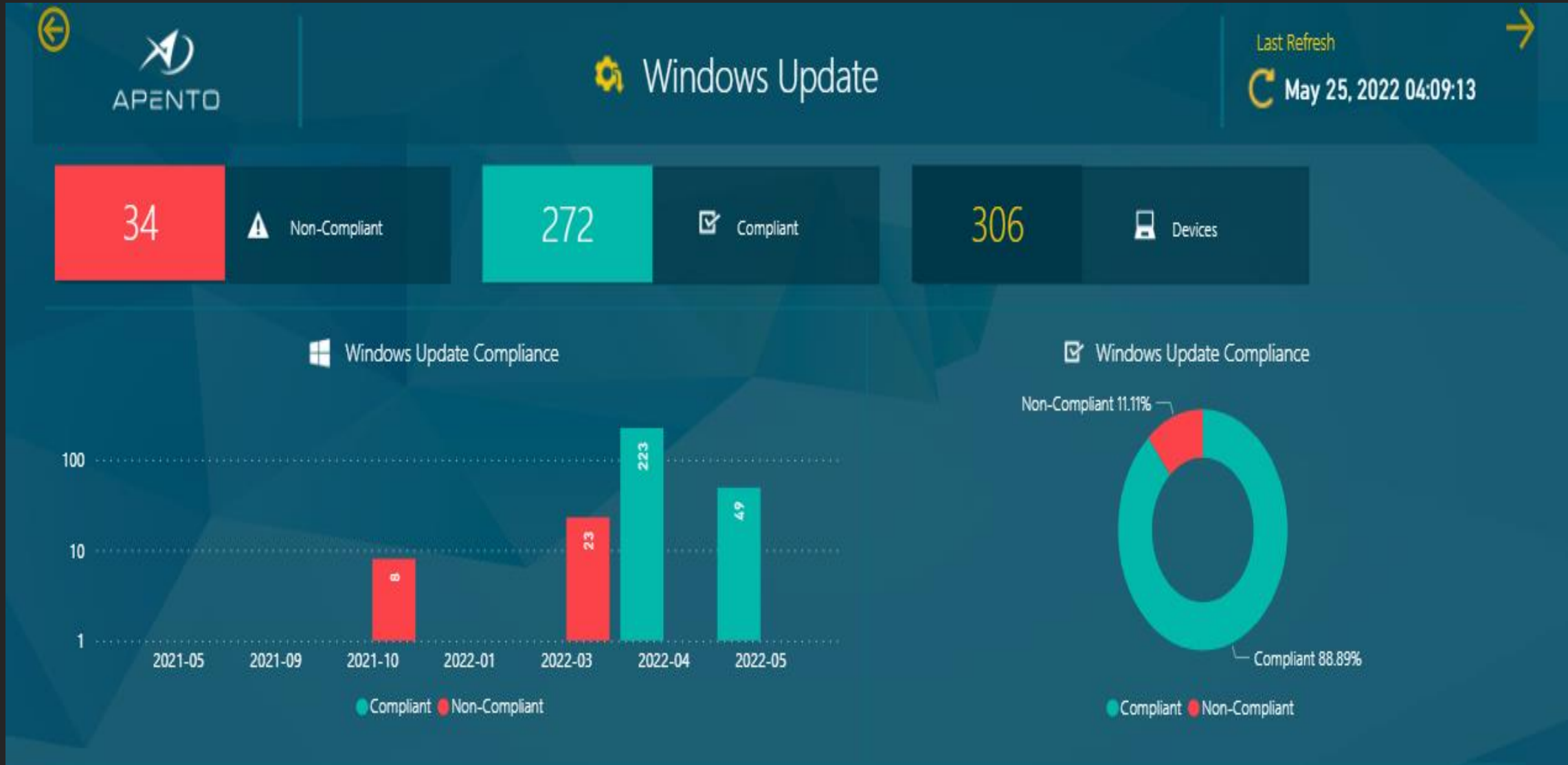
Date (UTC)	Event	Originally impacted device...
Feb 14, 2023 ...	Microsoft Windows 11 has 33 new vulnerabilities, impacting 13 devices	13 (72%)
Feb 14, 2023 ...	Microsoft Windows 10 has 35 new vulnerabilities, impacting 3 devices	3 (17%)

# Challenges with patching/reporting

- You will never reach 100%
  - Inactive clients
  - Broken clients?!
- Using a different agent or solution to report = “GAP” Challenge
- “GAP” Challenge / update time challenge
  - Intune shows -100 devices / 8 hours
  - Defender for Endpoint – 95 device / fast
  - Windows Update for Business reports – 90 devices / once a day

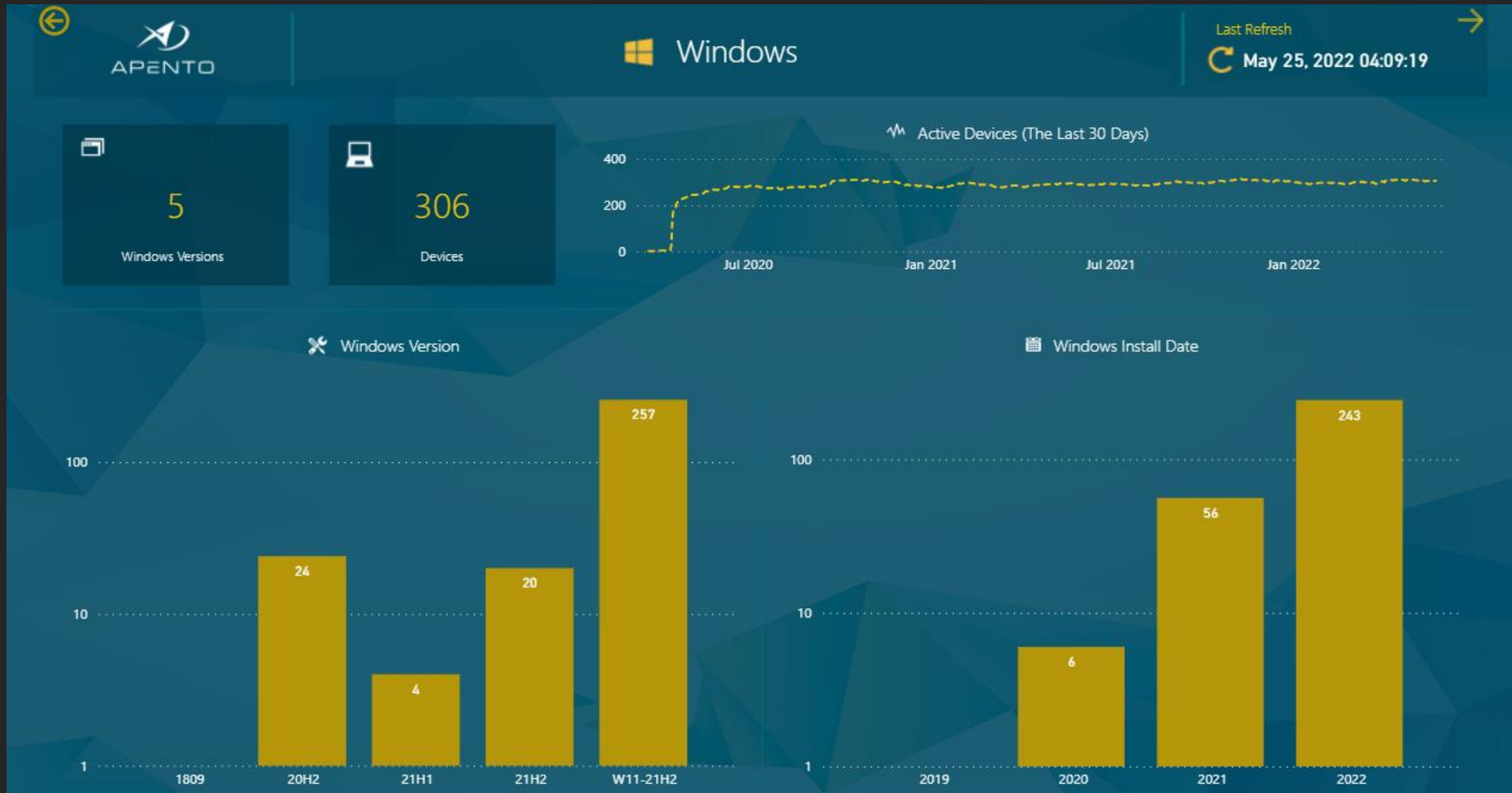
Who owns the GAP?

# Custom Power BI Reports is key





# Monitoring Feature Upgrades



# Windows 11 Readiness- Endpoint Analytics

- Easy to start using (Tenant attach, Intune, Co-Management)
  - Requires Windows Enterprise E3 (Microsoft 365 E3, EMS E3 or better).

Search by device name, manufacturer, model or OS version					Device scope: All Devices	
Showing 1 to 11 of 11 records					< Previous	
Add filter					Page 1 of 1	
					Next >	
Device name ↑↓	Managed by ↑↓	Manufacturer ↑↓	Model ↑↓	OS version ↑↓	Windows 11 readiness status ↑↓	Windows 11 readiness reason
W10TEST126	Co-managed	Microsoft Corporation	Virtual Machine	10.0.19043.1889	Capable	--
W10TEST122	Co-managed	Microsoft Corporation	Virtual Machine	10.0.19045.2486	Capable	--
DESKTOP-VPOM6H2	Intune	Microsoft Corporation	Virtual Machine	10.0.19044.2486	Not capable	RAM
W10AAD10	Intune	Microsoft Corporation	Virtual Machine	10.0.22621.1105	Upgraded	--

# Troubleshooting

Windows Update for Business

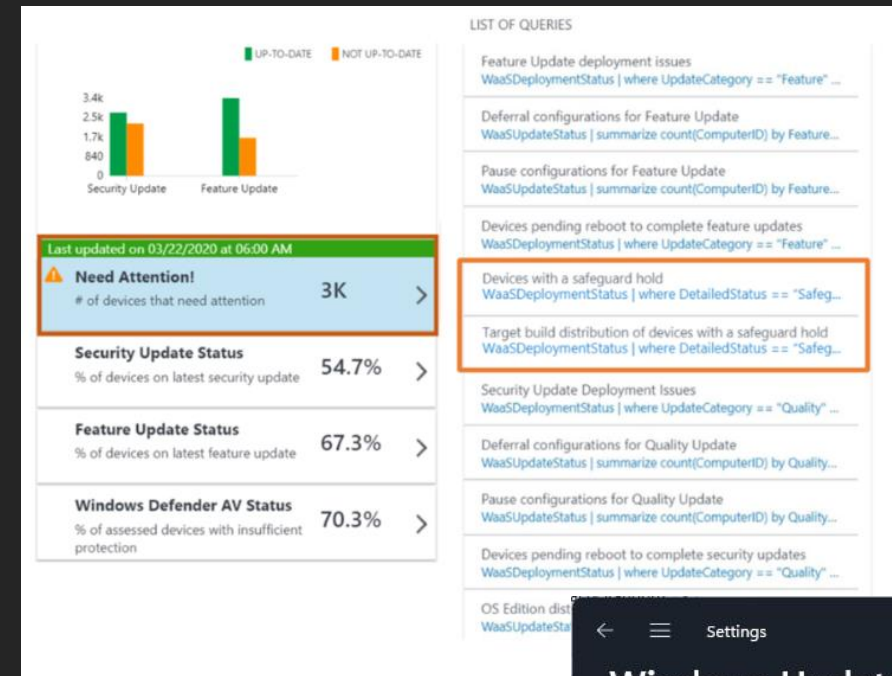
# Safeguard Holds

## What is a Safeguard hold?

- Microsoft uses quality and compatibility data to identify issues that might cause a Windows client feature update to fail or roll back.
- When we find such an issue, we might apply safeguard holds to the updating service to prevent affected devices from installing the update in order to safeguard them from these experiences.
- Source: <https://learn.microsoft.com/en-us/windows/deployment/update/safeguard-holds>

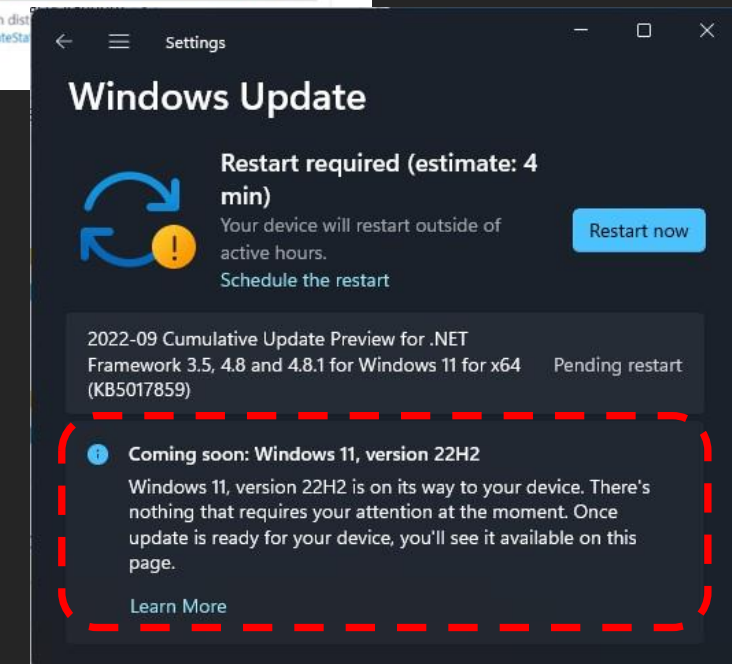
# Safeguard Holds

- Diagnostic Data is used to determine whether a device is ready for a feature update...
- Goal: To ensure a smooth experience!



The screenshot shows the Azure Log Analytics workspace. A query is highlighted in the 'Queries' tab: `1 WaaSDeploymentStatus | where DetailedStatus == "Safeguard Hold"`. A red arrow points to the 'Run' button. Below the query, the 'Results' section shows two records with columns: TimeGenerated [UTC], Computer, ComputerID, OSV..., OSBuild, and DetailedStatus. Both records show 'Safeguard Hold' in the DetailedStatus column.

TimeGenerated [UTC]	Computer	ComputerID	OSV...	OSBuild	DetailedStatus
11/18/2020, 7:00:00.000 PM	Win10client02	g:6825777654129695	1909	18363.1198	Safeguard Hold
11/18/2020, 7:00:00.000 PM	Win10client02	g:6825777654129695	1909	18363.1198	Safeguard Hold



# Get the Blocker ID (Local)

## Command:

```
reg query "HKLM\SOFTWARE\Microsoft\Windows  
NT\CurrentVersion\AppCompatFlags\TargetVersionUpgradeExperienceIndicators\NI22H2
```

## Output:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows  
NT\CurrentVersion\AppCompatFlags\TargetVersionUpgradeExperienceIndicators\NI22H2
```

```
DX12 REG_SZ 0
```

```
DestBuildNum REG_SZ 22621
```

```
DestBuildNumList REG_SZ 22621,22622,22623
```

```
GStatus REG_SZ 0
```

```
GatedBlockId REG_MULTI_SZ 41928397\041332279
```

```
GatedBlockReason REG_MULTI_SZ Other\0Other
```

```
GatedFeature REG_MULTI_SZ None"
```

# SafeGuardHoldLookupSample.ps1

- Author: Gary Blok
- Blog: <https://garytown.com/>

## Script:

- <https://github.com/gwblok/garytown/blob/master/Feature-Updates/SafeGuardHolds/SafeGuardHoldLookupSample.ps1>

# Output (Example)

```
APP_NAME      : Devices with Integrated 4-Channel Mic and have used Voice Recorder app
SafeguardId   : 41928397
EXE_ID        : {8b5f77d7-26d2-4221-8ab0-059f56532d5b}
PICK_ONE      :
AppName       : Devices with Integrated 4-Channel Mic and have used Voice Recorder app
VENDOR        : Microsoft
NAME          :
BlockType     : GatedBlock
```

Fix: Update driver and/or firmware

```
APP_NAME      : Devices with printer using Microsoft IPP Class Driver (Wu Offer Block)
SafeguardId   : 41332279
EXE_ID        : {cce5bc0a-4441-4c83-9633-a4c1ec4731ff}
PICK_ONE      :
AppName       : Devices with printer using Microsoft IPP Class Driver (Wu Offer Block)
VENDOR        : Microsoft
NAME          :
BlockType     : GatedBlock
```

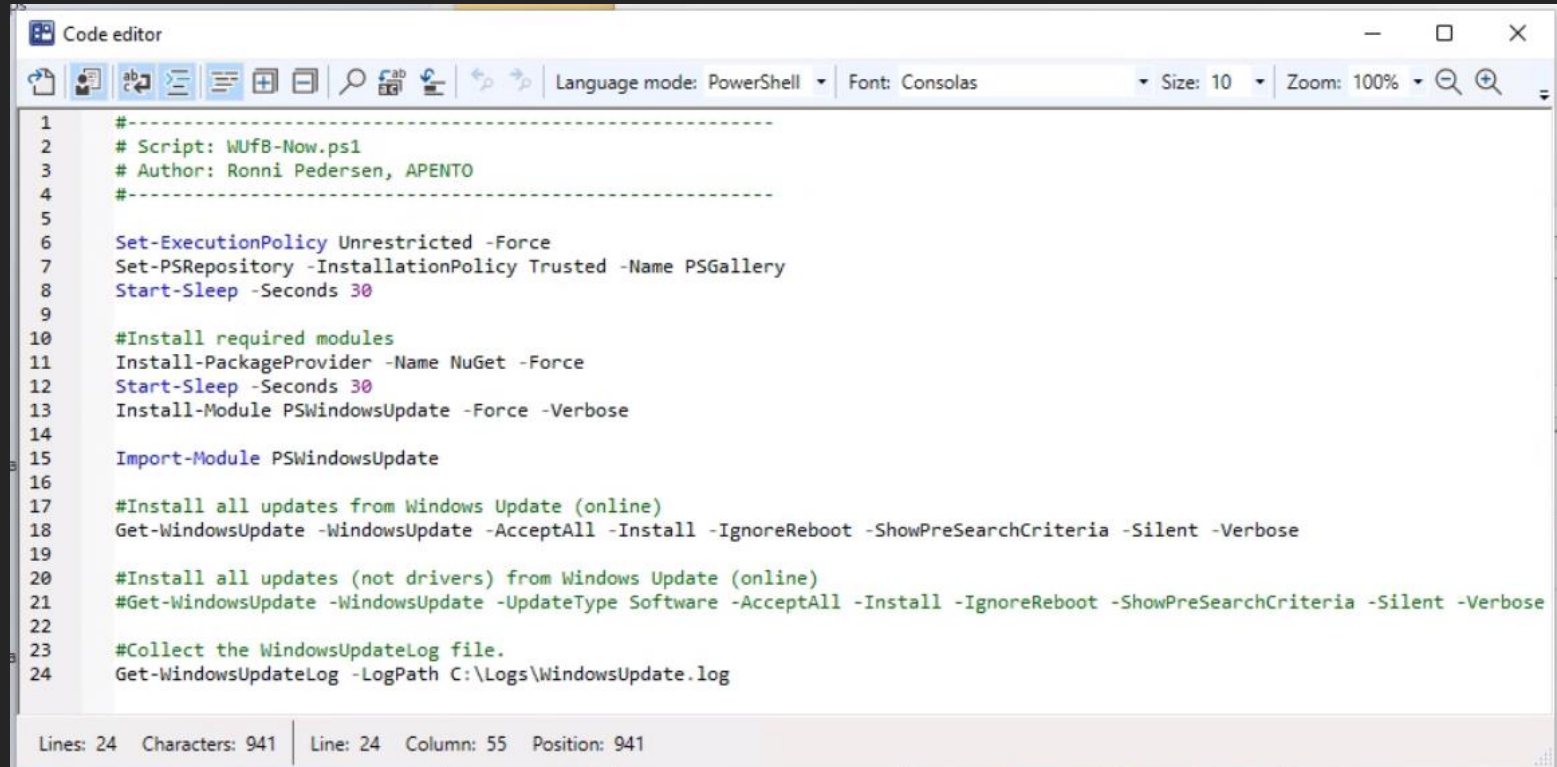
Fix: Update or remove the printer driver



# WUfB-Now.ps1 / PSWindowsUpdate

- Total Devices: 23.000
- Devices with older Feature Update: 1.272
- After Script: 307

- Script deployed from
  - SCCM
  - Intune



```
1 #-----  
2 # Script: WUfB-Now.ps1  
3 # Author: Ronni Pedersen, APENTO  
4 #-----  
5  
6 Set-ExecutionPolicy Unrestricted -Force  
7 Set-PSRepository -InstallationPolicy Trusted -Name PSGallery  
8 Start-Sleep -Seconds 30  
9  
10 #Install required modules  
11 Install-PackageProvider -Name NuGet -Force  
12 Start-Sleep -Seconds 30  
13 Install-Module PSWindowsUpdate -Force -Verbose  
14  
15 Import-Module PSWindowsUpdate  
16  
17 #Install all updates from Windows Update (online)  
18 Get-WindowsUpdate -WindowsUpdate -AcceptAll -Install -IgnoreReboot -ShowPreSearchCriteria -Silent -Verbose  
19  
20 #Install all updates (not drivers) from Windows Update (online)  
21 #Get-WindowsUpdate -WindowsUpdate -UpdateType Software -AcceptAll -Install -IgnoreReboot -ShowPreSearchCriteria -Silent -Verbose  
22  
23 #Collect the WindowsUpdateLog file.  
24 Get-WindowsUpdateLog -LogPath C:\Logs\WindowsUpdate.log
```

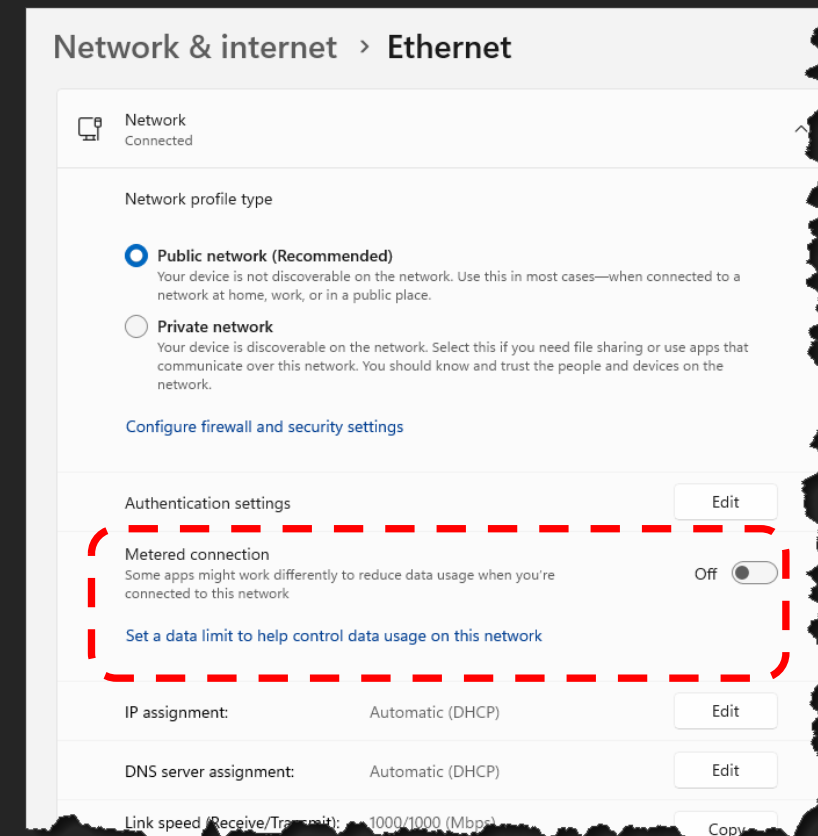
Lines: 24 Characters: 941 | Line: 24 Column: 55 Position: 941

# Metered Network Issue

- “Metered network” = Enabled
- Result = Not downloading updates
- Impacted Clients: 60-70
- Solution
  - Check if metered network is enabled
  - Run script remotely using PowerShell Remoting

```
Untitled1.ps1* X
1 [void][Windows.Networking.Connectivity.NetworkInformation, Windows, ContentType = WindowsRuntime]
2 $cost = [Windows.Networking.Connectivity.NetworkInformation]::GetInternetConnectionProfile().GetConnectionCost()
3 $cost.ApproachingDataLimit -or $cost.OverDataLimit -or $cost.Roaming -or $cost.BackgroundDataUsageRestricted -or ($cost.NetworkCostType -ne "Unrestricted")

PS C:\Windows\system32> [void][Windows.Networking.Connectivity.NetworkInformation, Windows, ContentType = WindowsRuntime]
$cost = [Windows.Networking.Connectivity.NetworkInformation]::GetInternetConnectionProfile().GetConnectionCost()
$cost.ApproachingDataLimit -or $cost.OverDataLimit -or $cost.Roaming -or $cost.BackgroundDataUsageRestricted -or ($cost.NetworkCostType -ne "Unrestricted")
False
PS C:\Windows\system32> |
```

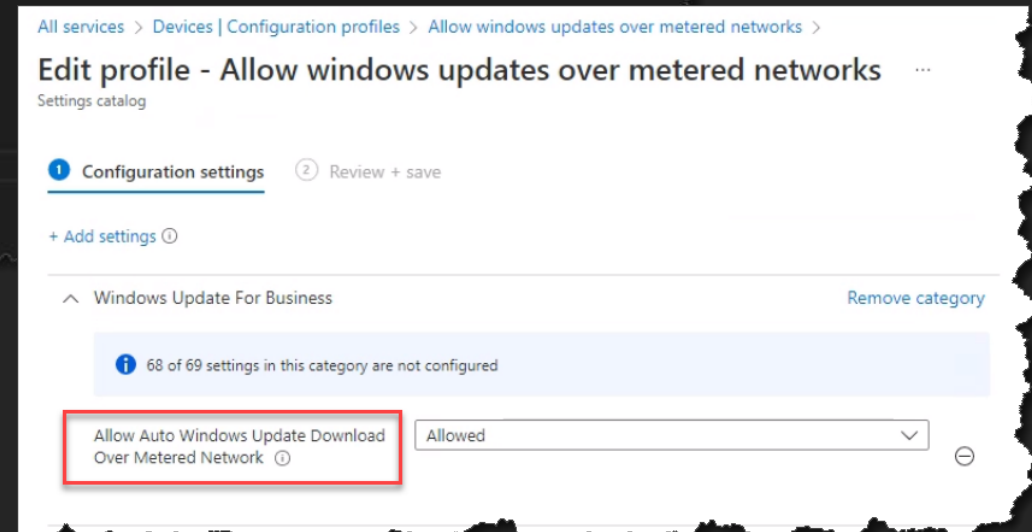


# SCCM Clients / Metered Connections

- Solution/Fix: SCCM (Script), GPO, Intune Policy

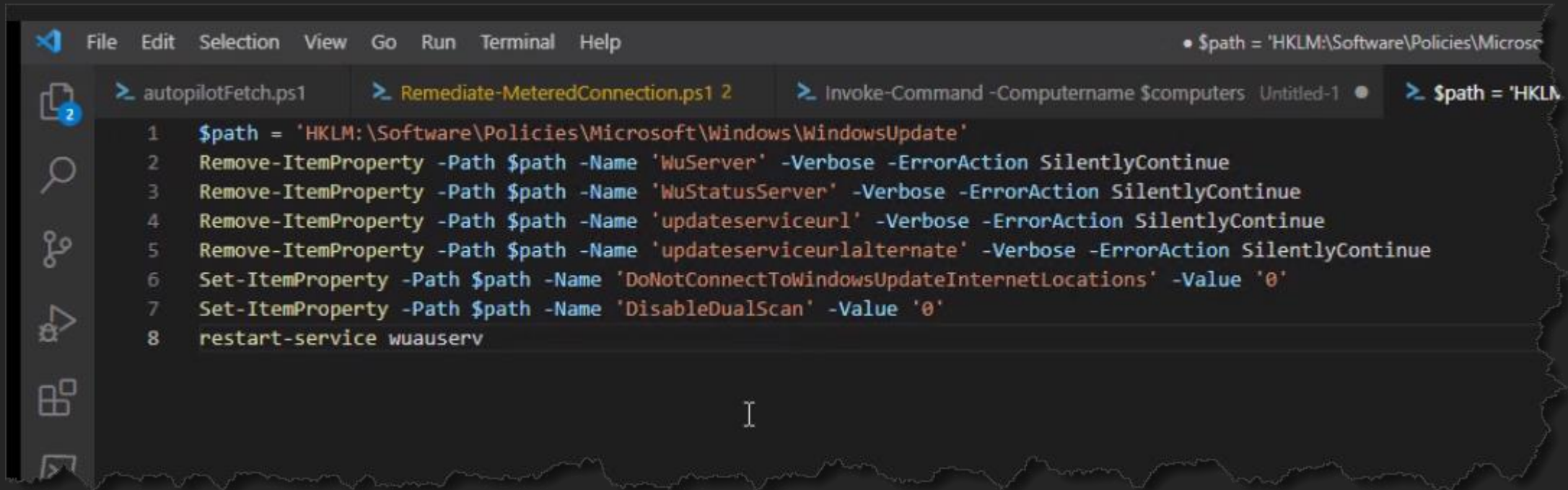
```
File Edit Selection View Go Run Terminal Help
> autopilotFetch.ps1 > Remediate-MeteredConnection.ps1 2 > $CCMNetworkCost = (Invoke-CimMethod -Nam • Untitled-1 - Visual Studio Code
1 $CCMNetworkCost = (Invoke-CimMethod -Namespace "root\ccm\ClientSDK" -ClassName "CCM_ClientUtilities" -MethodName GetNetworkCost).Value
2 Write-Host "ConfigMgr Cost: $($CCMNetworkCost)"
3
4 If($CCMNetworkCost -ne 1) {
5     #Set metering to 1, restart client so it will check in, remove the policy instance, then get new policies
6     $PolicyNameSpace = "root\ccm\Policy\Machine\ActualConfig"
7     $NwClassName = "CCM_NetworkSettings"
8     $obj = Get-CIMInstance -Namespace $PolicyNameSpace -ClassName $NwClassName
9     If($obj.MeteredNetworkUsage -ne 1) {
10         Write-Host "ConfigMgr MeteredNetworkUsage is set to $($obj.MeteredNetworkUsage)"
11         Write-Host "Resetting ConfigMgr CCM_NetworkSettings Policy"
12         $obj | Set-CimInstance -Property @{MeteredNetworkUsage=1}
13         Restart-Service -Name ccmexec -ErrorAction SilentlyContinue
14     }
15 }
```

Script:  
<https://github.com/AdamGrossTX/Toolbox/blob/master/ConfigMgr/Troubleshooting/Remove-NetworkMetering.ps1>



# Remove legacy policies (GPO)

- Quick Fix: A simple script to clean up the registry



```
File Edit Selection View Go Run Terminal Help
• $path = 'HKLM:\Software\Policies\Microsoft\WindowsUpdate'

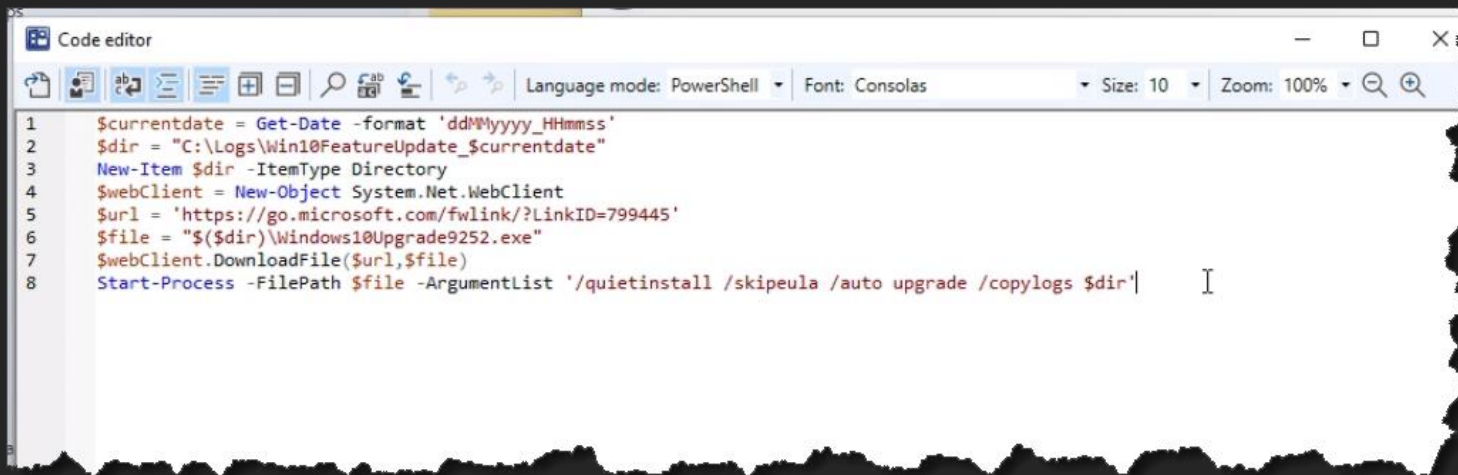
> autopilotFetch.ps1  > Remediate-MeteredConnection.ps1 2  > Invoke-Command -Computers $computers  Untitled-1  > $path = 'HKLM:\Software\Policies\Microsoft\WindowsUpdate'

1 $path = 'HKLM:\Software\Policies\Microsoft\WindowsUpdate'
2 Remove-ItemProperty -Path $path -Name 'WuServer' -Verbose -ErrorAction SilentlyContinue
3 Remove-ItemProperty -Path $path -Name 'WuStatusServer' -Verbose -ErrorAction SilentlyContinue
4 Remove-ItemProperty -Path $path -Name 'updateserviceurl' -Verbose -ErrorAction SilentlyContinue
5 Remove-ItemProperty -Path $path -Name 'updateserviceurlalternate' -Verbose -ErrorAction SilentlyContinue
6 Set-ItemProperty -Path $path -Name 'DoNotConnectToWindowsUpdateInternetLocations' -Value '0'
7 Set-ItemProperty -Path $path -Name 'DisableDualScan' -Value '0'
8 restart-service wuauserv
```



# Windows Update Assistant

- Custom Script based on Update Assistant
- Runs 100% silent (System Context)
- Automatic Reboot: 30 mins. Warning (pop-up)



```
1 $currentdate = Get-Date -format 'ddMMyyyy_HH:mm:ss'
2 $dir = "C:\Logs\Win10FeatureUpdate_$currentdate"
3 New-Item $dir -ItemType Directory
4 $webClient = New-Object System.Net.WebClient
5 $url = 'https://go.microsoft.com/fwlink/?LinkID=799445'
6 $file = "$($dir)\Windows10Upgrade9252.exe"
7 $webClient.DownloadFile($url,$file)
8 Start-Process -FilePath $file -ArgumentList '/quietinstall /skipeula /auto upgrade /copylogs $dir'
```



# Last Resort Fix

## Disclaimer:

- This method is **not** supported
- I've reconnected multiple devices using this script and it worked great!
- So, if you are at the dead end, it may serve you well! 😊
- Source:  
<https://universecitizen3n.tech/powershell/Reenroll/>

```
$Global:ErrorActionPreference = 'Stop'
Write-Host "Stopping Intune Service" -ForegroundColor Yellow
Get-Service *intune* | Stop-Service
Write-Host "Check if device is AAD Joined" -ForegroundColor Yellow
$DSREGCMD = dsregcmd /status
$AADJoinCheck = $null
$AADJoinCheck = $DSREGCMD | Select-String -Pattern 'AzureAdJoined : YES'
if ($null -eq $AADJoinCheck) {
    Write-Host "Device is not AAD Joined!!! Stopping!" -ForegroundColor Red
    Break
} else {
    Write-Host "Device is AAD Joined - OK" -ForegroundColor Green
}
Write-Host "Searching for enrollment ID"
$Tasks = Get-ScheduledTask | Where-Object { $psitem.TaskPath -like "\Microsoft\Windows\EnterpriseMgmt" }
$EnrollID = $Tasks[0].TaskPath.Split('\')[2]
if ($EnrollID -match '\w{8}-\w{4}-\w{4}-\w{4}-\w{12}') {
    Write-Host "Found EnrollID - $EnrollID" -ForegroundColor Green
} else {
    Write-Host "Error parsing EnrollID. Stopping" -ForegroundColor Red
    Break
}
Write-Host "Removing scheduledTasks" -ForegroundColor Yellow
Try {
    $Tasks | ForEach-Object { Unregister-ScheduledTask -InputObject $psitem -Verbose -Confirm:$false }
} catch {
    Throw $_.Exception.Message
}
Write-Host "Done" -ForegroundColor Green
Write-Host "Trying to remove tasks folder" -ForegroundColor Yellow
$TaskFolder = Test-Path "C:\windows\System32\Tasks\Microsoft\Windows\EnterpriseMgmt\$EnrollID"
```

# Troubleshooting Preview

Home > Troubleshooting + support

**Troubleshooting + support** | Troubleshoot (preview) ...

Search

Guided scenarios (preview)

Troubleshoot (preview)

Help and support

User: **RP Ronni Pedersen** X

Device: Filter by device

**RP Ronni Pedersen**  
Email: rop@apento.com  
User principal name: rop@apento.com

User status  
✓ Account enabled  
✓ Intune licensed

Summary **Devices** Groups Policy Applications App protection policy Updates Enrollment restrictions Diagnostics

**Policy**

Compliant	Error	Non compliant	Conflict	Pending	Not applicable
50	4	0	0	0	0

**Compliance**

Compliant	Error	Non compliant	Conflict	Pending	Not applicable
15	0	4	0	0	0

**App protection**

Checked in	Pending sync	Not checked in
12	0	0

**Applications**

Installed	Failed	Waiting for install status	Not applicable
26	0	0	13

**Devices**

Enrolled	Disabled	Offline	Non compliant
9	0	5	0

User: **RP Ronni Pedersen** X

Device: Filter by device

**RP Ronni Pedersen**  
Email: rop@apento.com  
User principal name: rop@apento.com

User status  
✓ Account enabled  
✓ Intune licensed

Summary Devices Groups Policy Applications App protection policy **Updates** Enrollment restrictions Diagnostics

Refresh Export Columns

Search Add filters

Name ↑	Platform	Update type
--------	----------	-------------

# Collect Diagnostics

**CPC-mp-X7EQQ-Y0**

Search Sync Restart Restore Reprovision Resize (preview) **Collect diagnostics** Quick scan

**Overview**

**Manage**

**Properties**

**Monitor**

Performance (preview)

Hardware

Discovered apps

Device compliance

Device configuration

**Collect diagnostics: Completed**

**Essentials**

Device name  
CPC-mp-X7EQQ-Y0

Management name  
c3aef99f-8c58-4883-8d90-a37879ba3a0c\_Windows\_8/23/2022\_7:58 PM

Ownership  
Corporate

Serial number  
0000-0016-4038-5552-8430-2907-98

Phone number

Primary user  
[Morten Pedholt](#)

Enrolled by  
None

Compliance  
Compliant

Operating system  
Windows

Device model

Home > Troubleshooting + support

**Troubleshooting + support | Troubleshoot (preview)**

Search

Default to new troubleshooting (preview) Provide feedback

Guided scenarios (preview)

Troubleshoot (preview)

Help and support

User: Ronni Pedersen  
Email: rop@apento.com  
User principal name: rop@apento.com

Device: Filter by device

User status  
Account enabled  
Intune licensed

Summary Devices Groups Policy Applications App protection policy Updates Enrollment restrictions **Diagnostics**

Refresh Export Columns

Search Add filters

Device name or application	Platform	Created date
DESKTOP-82F4Q3D	Windows	1/18/23, 6:29 PM

(7) RegistryKey HKLM\_Software\_Microsoft\_Termi... Registration Entries

(8) RegistryKey HKLM\_SOFTWARE\_Microsoft\_Wi... Registration Entries

(9) RegistryKey HKLM\_Software\_Microsoft\_Wind... Registration Entries

(20) RegistryKey HKLM\_SOFTWARE\_WOW6432No... Registration Entries

(21) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(22) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(23) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(24) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(25) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(26) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(27) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(28) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(29) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(30) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(31) RegistryKey HKLM\_SYSTEM\_CurrentControlSe... Registration Entries

(32) No Results - Error [0x80070001] RegistryKey HKLM\_SYSTEM\_Curre... File

(33) No Results - Error [0x80070001] RegistryKey HKLM\_SYSTEM\_Curre... File

(34) Command programfiles\_windows\_defender... Text Document

(35) Command windir\_system32\_Dsregcmd\_exe... Text Document

(36) Command windir\_system32\_ipconfig\_exe\_all... Text Document

(37) Command windir\_system32\_mdmdiagnostics... Text Document

(38) Command windir\_system32\_msinfo32\_exe\_r... Text Document

(39) Command windir\_system32\_netsh\_exe\_winh... Text Document

(40) FoldersFiles ProgramFiles\_Microsoft\_RDInfra

(41) FoldersFiles temp\_MDMDiagnostics\_mdmlg...

(42) FoldersFiles temp\_MDMDiagnostics\_msinfo32...

(43) FoldersFiles windir\_debug\_NetSetup\_log

(44) FoldersFiles windir\_Logs\_WindowsUpdate\_etl

(45) FoldersFiles windir\_system32\_winevt\_logs

(11) RegistryKey HKLM\_SOFTWARE\_Microsoft\_Wi... Registration Entries

(12) RegistryKey HKLM\_Software\_Microsoft\_Wind... Registration Entries

(13) No Results - Error [0x80070001] RegistryKey HKLM\_Software\_Micr... File

(14) RegistryKey HKLM\_Software\_Policies\_Microso... Registration Entries

(15) RegistryKey HKLM\_Software\_Policies\_Microso... Registration Entries

(16) RegistryKey HKLM\_SOFTWARE\_Policies\_Micro... Registration Entries

(17) RegistryKey HKLM\_SOFTWARE\_Policies\_Micro... Registration Entries

(18) RegistryKey HKLM\_Software\_Policies\_Microso... Registration Entries

(19) No Results - Error [0x80070001] RegistryKey HKLM\_Software\_Poli... File

(4) RegistryKey HKLM\_Software\_Microsoft\_RDMo... Registration Entries

(5) RegistryKey HKLM\_SOFTWARE\_Microsoft\_Sys... Registration Entries

(6) RegistryKey HKLM\_SOFTWARE\_Microsoft\_Tea... Registration Entries

(46) No Results - Error [0x80070002] FoldersFiles windir\_Temp\_ScriptL... File

(3) RegistryKey HKLM\_Software\_Microsoft\_RDInfra... Registration Entries

results.xml Microsoft Edge HTML Document 4,60 KB



# Migrating from other solutions

- Using Proactive Remediations and Log Analytics
- Ensure Windows Update Settings are Optimal and Compliant.

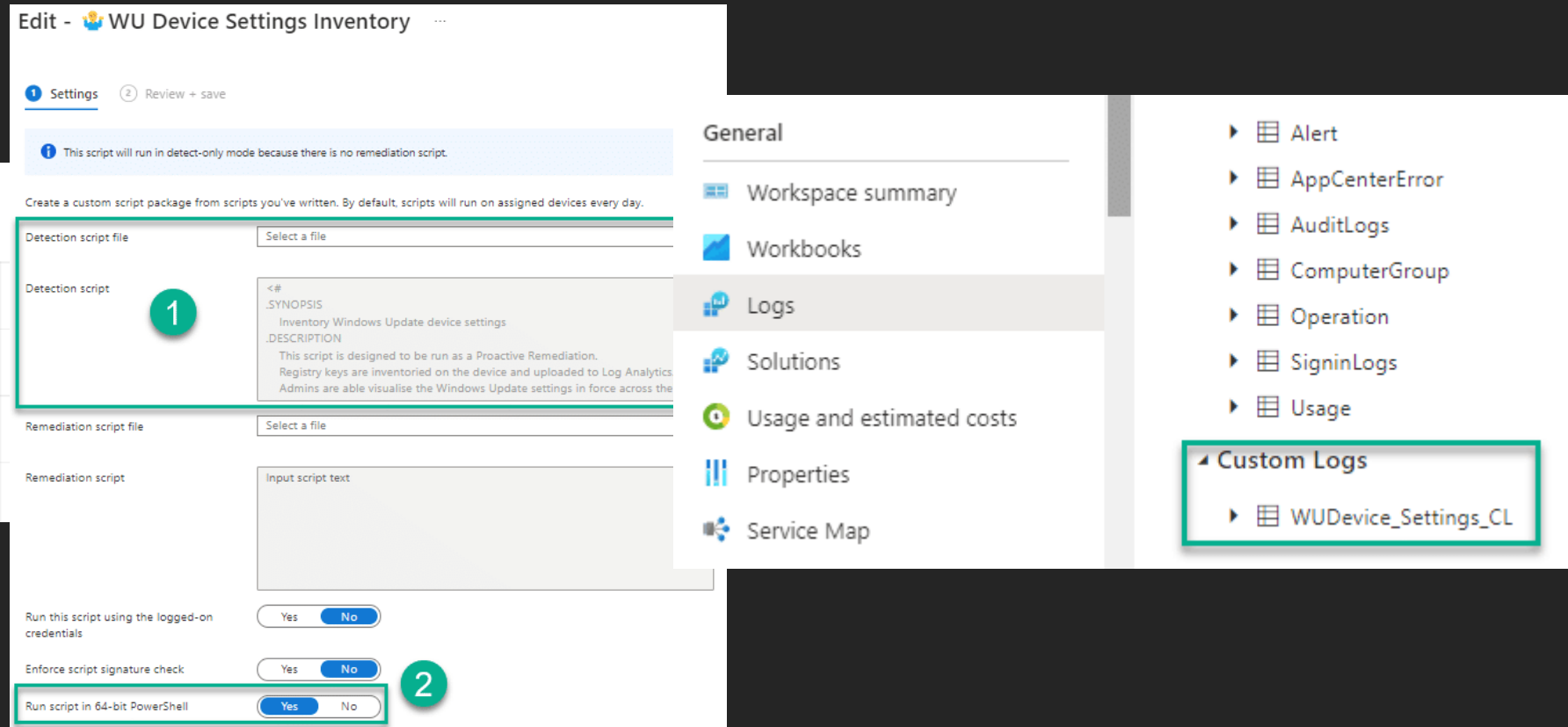
## Service Breaking Settings

### Registry Key

Software\Policies\Microsoft\Windows\WindowsUpdate

Software\Policies\Microsoft\Windows\WindowsUpdate

Software\Policies\Microsoft\Windows\WindowsUpdate\AU



Edit - WU Device Settings Inventory

1 Settings 2 Review + save

1 This script will run in detect-only mode because there is no remediation script.

Create a custom script package from scripts you've written. By default, scripts will run on assigned devices every day.

Detection script file Select a file

Detection script 1

```
<#  
.SYNOPSIS  
Inventory Windows Update device settings  
.DESCRIPTION  
This script is designed to be run as a Proactive Remediation.  
Registry keys are inventoried on the device and uploaded to Log Analytics.  
Admins are able to visualise the Windows Update settings in force across the
```

Remediation script file Select a file

Remediation script Input script text

Run this script using the logged-on credentials Yes No

Enforce script signature check Yes No

Run script in 64-bit PowerShell Yes No 2

General

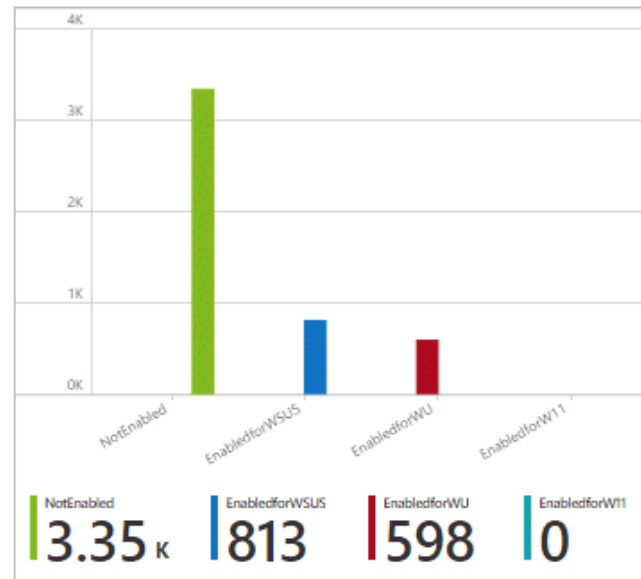
- Workspace summary
- Workbooks
- Logs
- Solutions
- Usage and estimated costs
- Properties
- Service Map

- Alert
- AppCenterError
- AuditLogs
- ComputerGroup
- Operation
- SigninLogs
- Usage
- Custom Logs
  - WUDevice\_Settings\_CL

<https://msendpointmgr.com/2022/05/13/windows-update-settings-compliance/>

# Service Break Settings

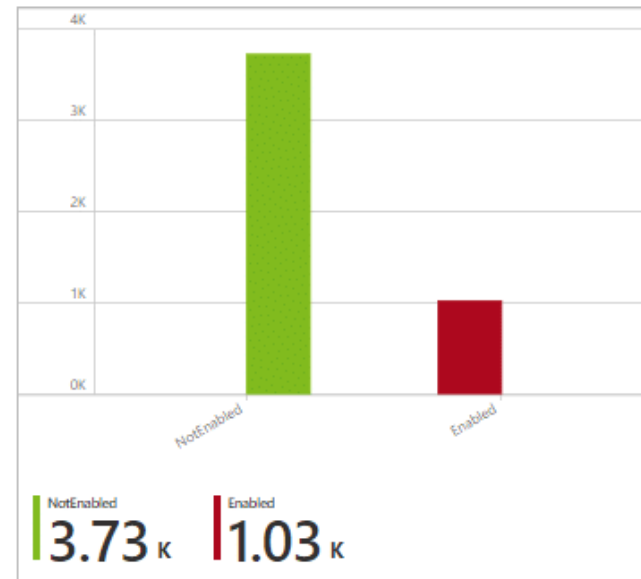
DisableDualScan



DisableDualScan

Setting	↑↓	Devices↑↓
NotEnabled		3346
Enabled (WU)		598
Enabled (WSUS)		813

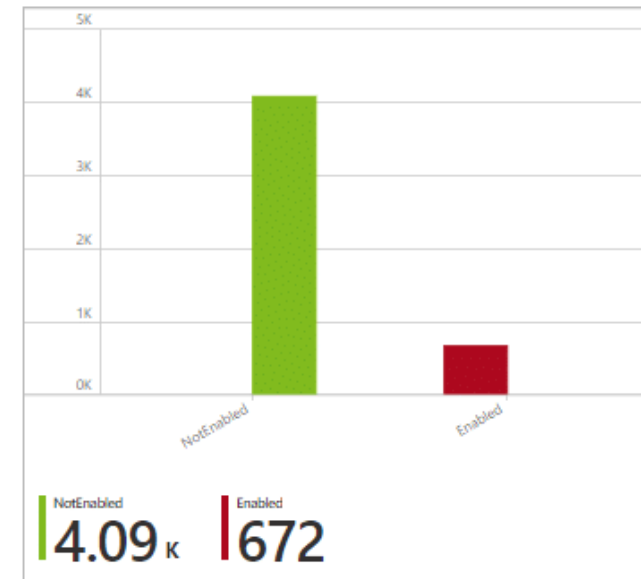
NoAutoUpdate



NoAutoUpdate

Setting	↑↓	Devices↑↓
NotEnabled		3729
Enabled		1028

DoNotConnectToWindowsUpdateInternetLocations



DoNotConnectToWindowsUpdateInternetLocations

Setting	↑↓	Devices↑↓
NotEnabled		4085
Enabled		672

# Drivers and Firmware

Windows Update for Business

# Driver Updates using WUfB

- Drivers updates comes from the vendor
- Can cause many annoying reboots
- "Wrong firmware/drivers" coming down

## Driveropdateringer (50)

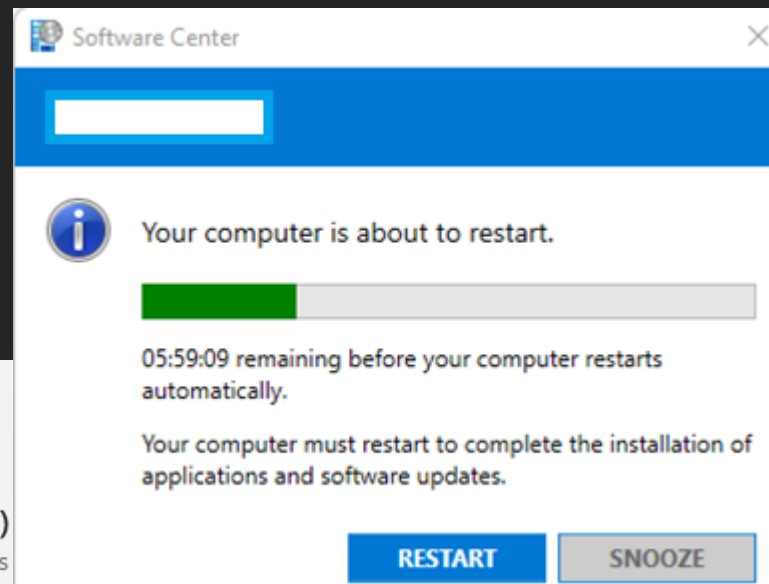
Intel - net - 22.110.1.1  
Installationen blev fuldført d. 25-05-2022

HP Inc. - Firmware - 1.9.0.0  
Installationen blev fuldført d. 24-05-2022

Intel Corporation - Display - 30.0.101.1404  
Installationen blev fuldført d. 23-05-2022

Intel - SoftwareComponent - 2130.1.16.40  
Installationen blev fuldført d. 23-05-2022

Intel - SoftwareComponent - 2143.64.70.0  
Installationen blev fuldført d. 18-05-2022



## Windows Update



**Genstart er påkrævet (anslået: 4 min)**  
Din organisation kræver, at din enhed genstartes  
[Planlæg genstarten](#)

HP Inc. - Firmware - 1.9.0.0

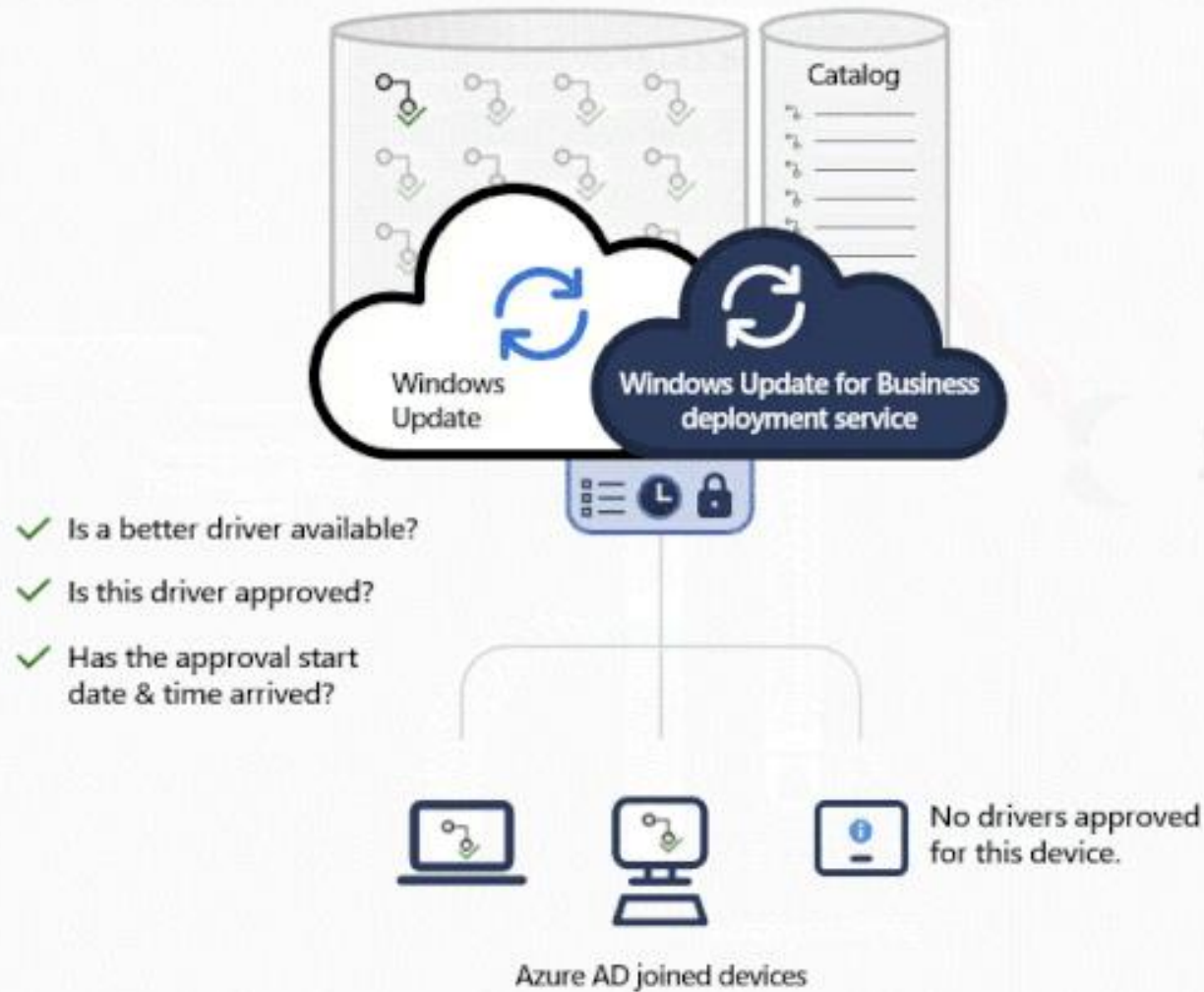
Ventende genstart

# Commercial driver and firmware servicing is publicly available!



- Public Preview of commercial controls for driver and firmware servicing in the Windows Update for Business (WUfB) deployment service!
- This platform allows for control of driver deployment from Windows Update (WU) to eligible cloud-attached commercial devices.
  - Which drivers/firmware to install
  - Scheduling
  - Targeting
- License requirements:
  - Windows E3/E5/A3/A5
  - Microsoft 365 Business Premium
- Intune integration to come later..
- Details at the Windows IT Pro blog: [Commercial driver and firmware servicing is publicly available! - Microsoft Community Hub](#)

# Why are we excited?



# How to test it out

- Sample Webapp
- Graph

POST

update deployment audience for driver update (add members)

POST

update deployment audience for driver update (add exclusions)

POST

update deployment audience for driver update (remove members)

POST

update deployment audience for driver update (remove exclusions)

POST

create update policy (drivers)

GET

get update policy (drivers)

GET

list update policies (drivers)

DELETE

delete update policy (drivers)

GET

inventory of driver updates

POST

create driver approval

GET

get compliance change

GET

list compliance changes

DELETE

delete compliance changes

OK - 200 - 167ms

Response preview

Response headers

Code snippets

Toolkit component

Adaptive cards

```
{
  "@odata.context": "https://graph.microsoft.com/beta/$metadata#admin/windows/updates/updatePolicies",
  "value": [
    {
      "id": "33dc6126-010c-4d38-a5ae-4aabd3d1",
      "createdDateTime": "2023-02-15T11:58:29",
      "autoEnrollmentUpdateCategories": [
        "driver"
      ],
      "complianceChangeRules": [],
      "deploymentSettings": {
        "schedule": null,
        "monitoring": null,
        "contentApplicability": null,
        "userExperience": null,
        "expedite": null
      },
      "audience": {
        "id": "ff09faa9-241b-4dee-ab18-a742",
        "applicableContent": []
      }
    }
  ]
}
```

WuFB DS Application Drivers and Firmware About Authenticated

## About

### Functionality

- Create manual and automatic cloud-managed driver update policies
- Add/remove Azure AD devices to your policies
- Browse driver and firmware updates that are available for your devices
- Approve and schedule driver updates
- Suspensions of approvals
- Unenroll devices from driver management

[Deploy a driver update using the Windows Update for Business deployment service - Microsoft Graph | Microsoft Learn](#)

# Policies

[+ New](#)[↻ Refresh](#)[📄 Export](#)**Policy Name****Device Count****Type of Policy****Action**

HP Ring 1 (Pilot)

2

Manual

[✎ Edit](#)[📄 View](#)[🗑 Delete](#)

Dell Ring 1 (Pilot)

1

Manual

[✎ Edit](#)[📄 View](#)[🗑 Delete](#)

Rows per page 10 ▾

1-2 of 2





# Updates

Back

Recommended Updates

Other Updates

View Metadata

Approve

Suspend

Select	Update Name	Release Date	Applicable Devices	Driver Class	Approval Start Date	Suspension Date
<input type="radio"/>	INTEL - System - 1/1/1970 12:00:00 AM - 10.1.1.42	Fri Aug 24 2018	1	OtherHardware	-	-
<input type="radio"/>	Intel - Other hardware - Intel(R) Xeon(R) E3 - 1200 v6/7th Gen Intel(R) Core(TM) Host Bridge/DRAM Registers - 5904	Sun Aug 26 2018	1	OtherHardware	-	-
<input type="radio"/>	INTEL - System - 10/3/2016 12:00:00 AM - 10.1.1.38	Thu Mar 15 2018	1	OtherHardware	-	-
<input type="radio"/>	INTEL - System - 7/12/2016 12:00:00 AM - 10.1.1.33	Fri Aug 24 2018	1	OtherHardware	-	-
<input type="radio"/>	INTEL driver update for Mobile 6th Generation Intel(R) Processor Family I/O PCI Express Root Port #9 - 9D18	Tue Aug 28 2018	1	OtherHardware	-	-

[◀ Back](#)

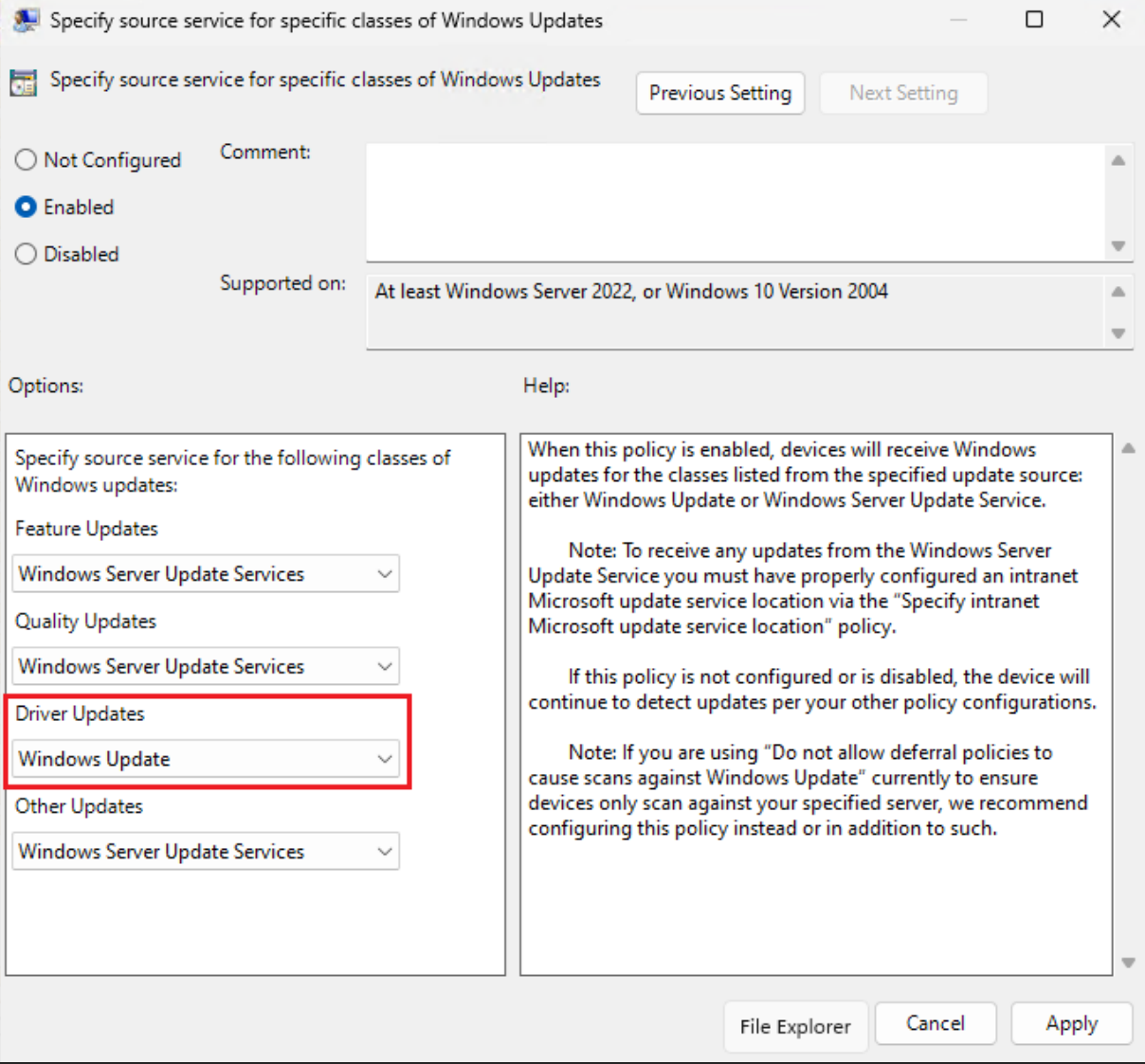
## Other Updates

## II Suspend

○

# What about Hybrid/Co-managed devices?

- WufB policies can be configured to allow updates from different sources for updates
- Makes it possible to “cherry-pick”



The screenshot shows the 'Specify source service for specific classes of Windows Updates' policy configuration window. The window has a title bar with standard Windows controls. Below the title bar, there are 'Previous Setting' and 'Next Setting' buttons. The main configuration area includes three radio buttons: 'Not Configured', 'Enabled' (which is selected), and 'Disabled'. To the right of these is a 'Comment:' text box. Below the radio buttons is a 'Supported on:' section with a dropdown menu showing 'At least Windows Server 2022, or Windows 10 Version 2004'. The 'Options:' section contains three expandable categories: 'Feature Updates', 'Quality Updates', and 'Driver Updates'. Each category has a dropdown menu. The 'Driver Updates' category is highlighted with a red rectangle, and its dropdown menu is open, showing 'Windows Update' selected. The 'Help:' section on the right contains three paragraphs of text explaining the policy's behavior and providing notes. At the bottom right, there are 'File Explorer', 'Cancel', and 'Apply' buttons.

Specify source service for specific classes of Windows Updates

Specify source service for specific classes of Windows Updates Previous Setting Next Setting

☐ Not Configured Comment:   
☒ Enabled   
☐ Disabled

Supported on: At least Windows Server 2022, or Windows 10 Version 2004

Options:

Specify source service for the following classes of Windows updates:

Feature Updates  
Windows Server Update Services

Quality Updates  
Windows Server Update Services

Driver Updates  
Windows Update

Other Updates  
Windows Server Update Services

Help:

When this policy is enabled, devices will receive Windows updates for the classes listed from the specified update source: either Windows Update or Windows Server Update Service.

Note: To receive any updates from the Windows Server Update Service you must have properly configured an intranet Microsoft update service location via the "Specify intranet Microsoft update service location" policy.

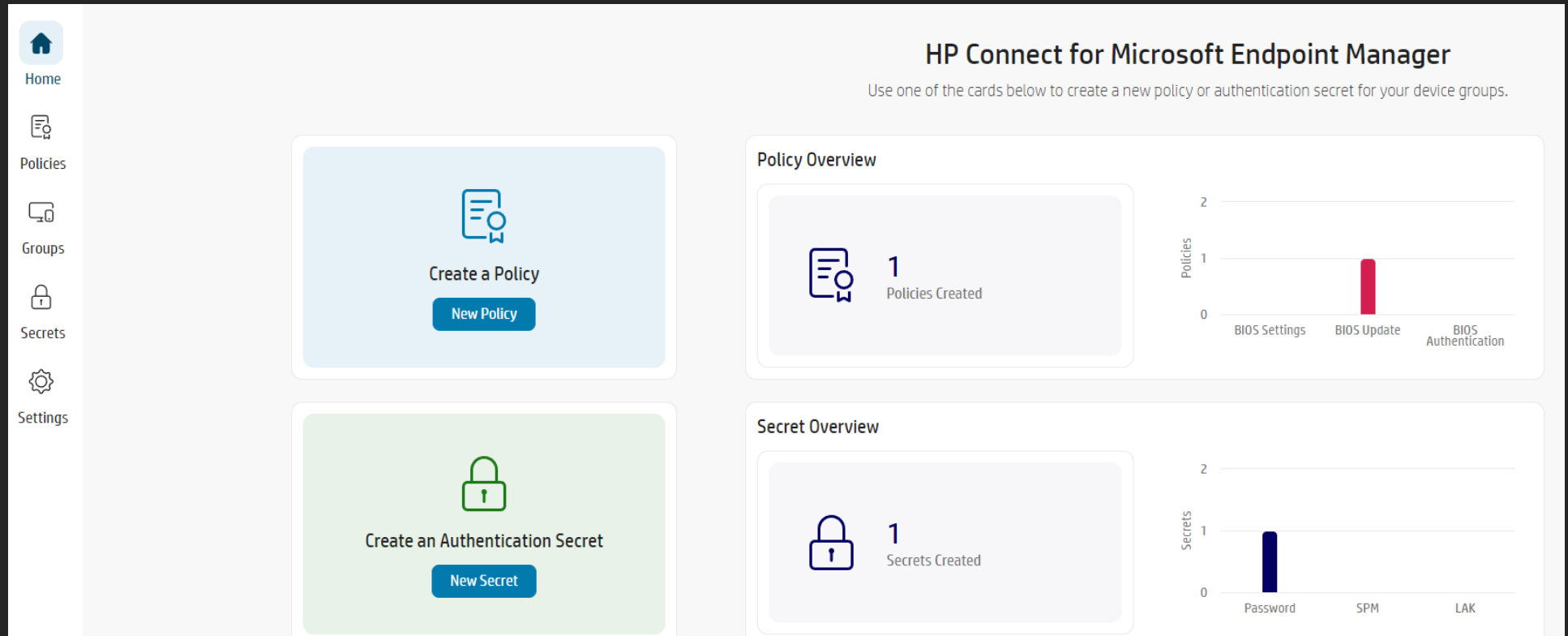
If this policy is not configured or is disabled, the device will continue to detect updates per your other policy configurations.

Note: If you are using "Do not allow deferral policies to cause scans against Windows Update" currently to ensure devices only scan against your specified server, we recommend configuring this policy instead or in addition to such.

File Explorer Cancel Apply

# HP Connect for Microsoft Endpoint Manager

- Firmware Update & Config
- Uses Proactive remediation to execute script (content from WU)
- Free to use



The screenshot displays the HP Connect for Microsoft Endpoint Manager web interface. On the left is a vertical navigation menu with icons and labels for Home, Policies, Groups, Secrets, and Settings. The main content area is titled "HP Connect for Microsoft Endpoint Manager" and includes a subtitle: "Use one of the cards below to create a new policy or authentication secret for your device groups." Below this, there are two large cards: "Create a Policy" with a "New Policy" button, and "Create an Authentication Secret" with a "New Secret" button. To the right of these cards are two summary sections: "Policy Overview" showing "1 Policies Created" and a bar chart for "Policies" (BIOS Settings: 0, BIOS Update: 1, BIOS Authentication: 0); and "Secret Overview" showing "1 Secrets Created" and a bar chart for "Secrets" (Password: 1, SPM: 0, LAK: 0).

**HP Connect for Microsoft Endpoint Manager**  
Use one of the cards below to create a new policy or authentication secret for your device groups.

**Create a Policy**  
New Policy

**Create an Authentication Secret**  
New Secret

**Policy Overview**  
1 Policies Created

**Secret Overview**  
1 Secrets Created

Category	Count
BIOS Settings	0
BIOS Update	1
BIOS Authentication	0

Category	Count
Password	1
SPM	0
LAK	0

Thank you!