Streamlining Your Update Experience with Windows Update for Business

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Agenda

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

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Introduction

Windows Update for Business

Windows Update for Business

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- 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

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- 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

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- Save bandwidth
- Networks must allow client-to-client traffic port 7680
- Configure Delivery Optimization
- Useful bloggposts 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 (vansurksum.com)

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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 12th, 2022).
- The UI still says “Preview”

Enable use of Windows diagnostic data

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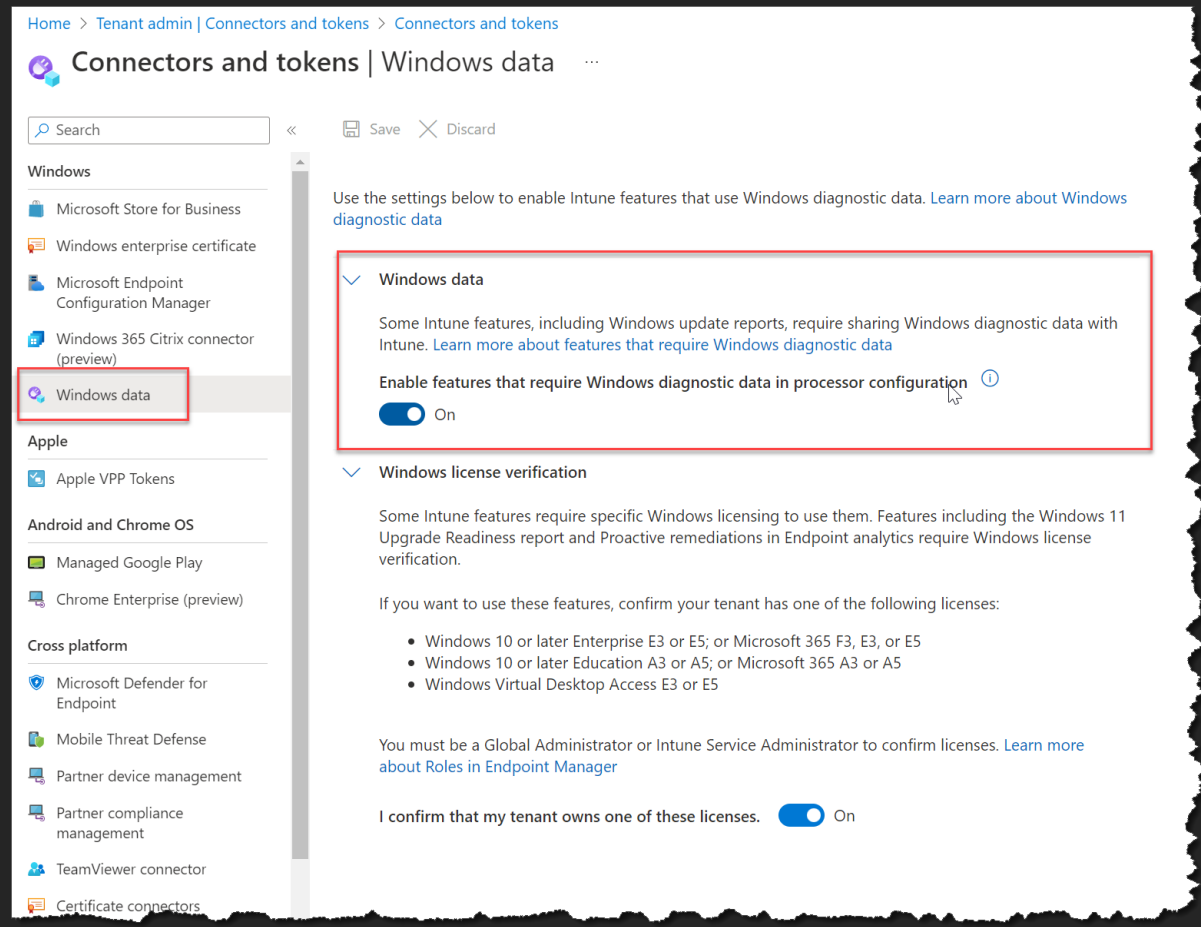
Configure your tenant

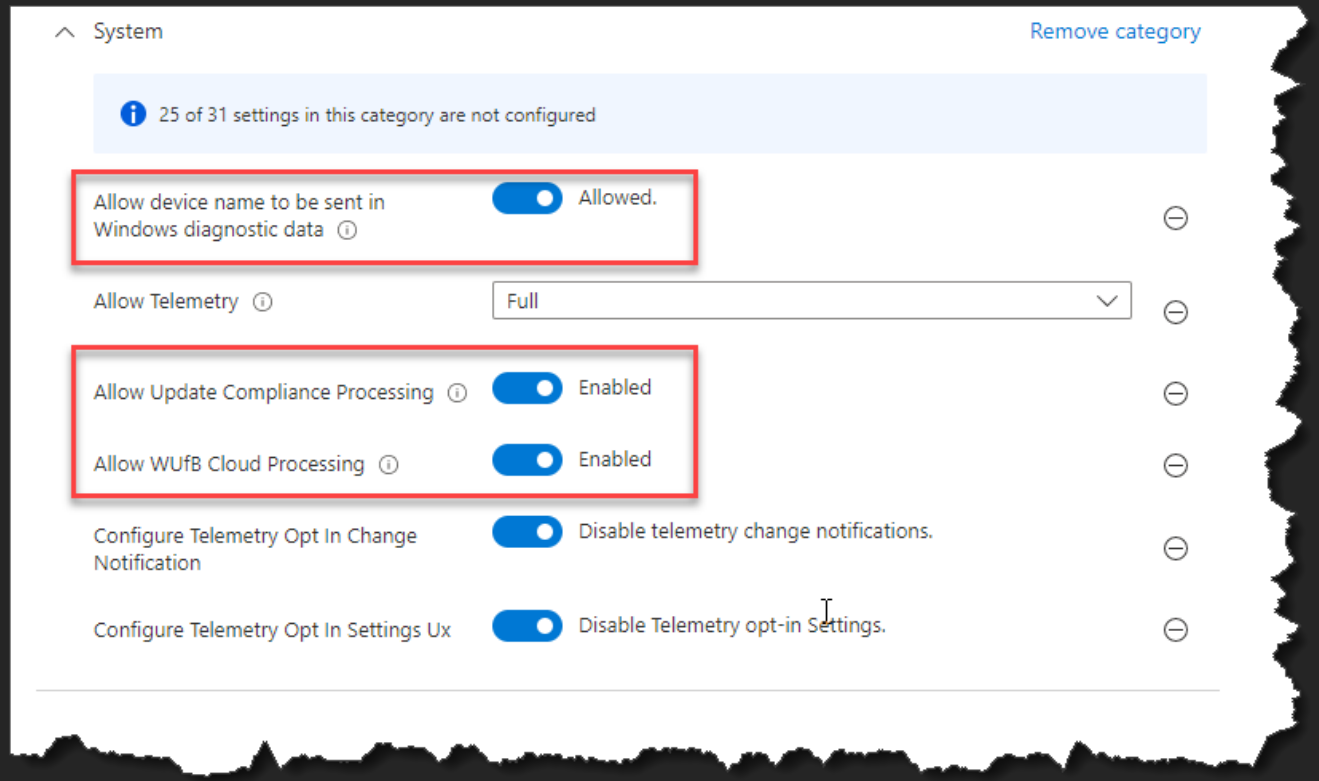
- Windows Diagnostic Data
- License Attestation

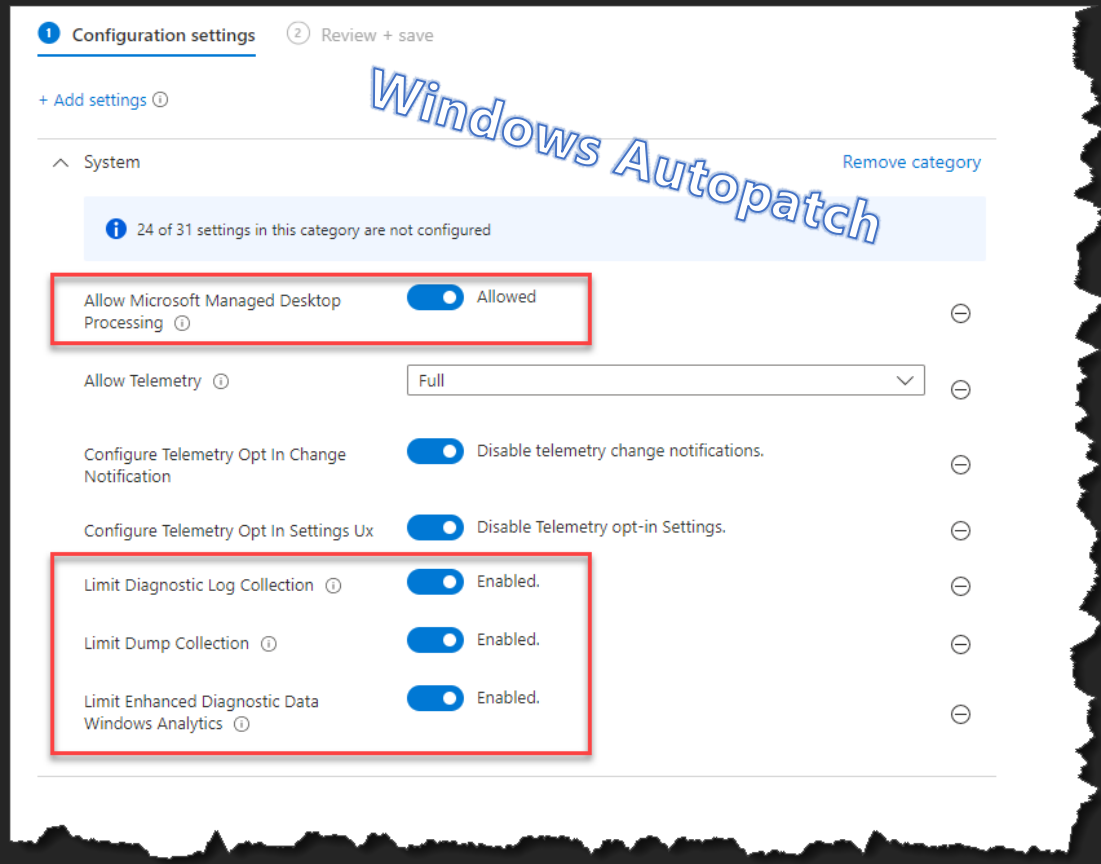
- The following features require you to enable this support:
  - Windows feature update device readiness report
  - Windows feature update compatibility risks report



Policy - Data Collection

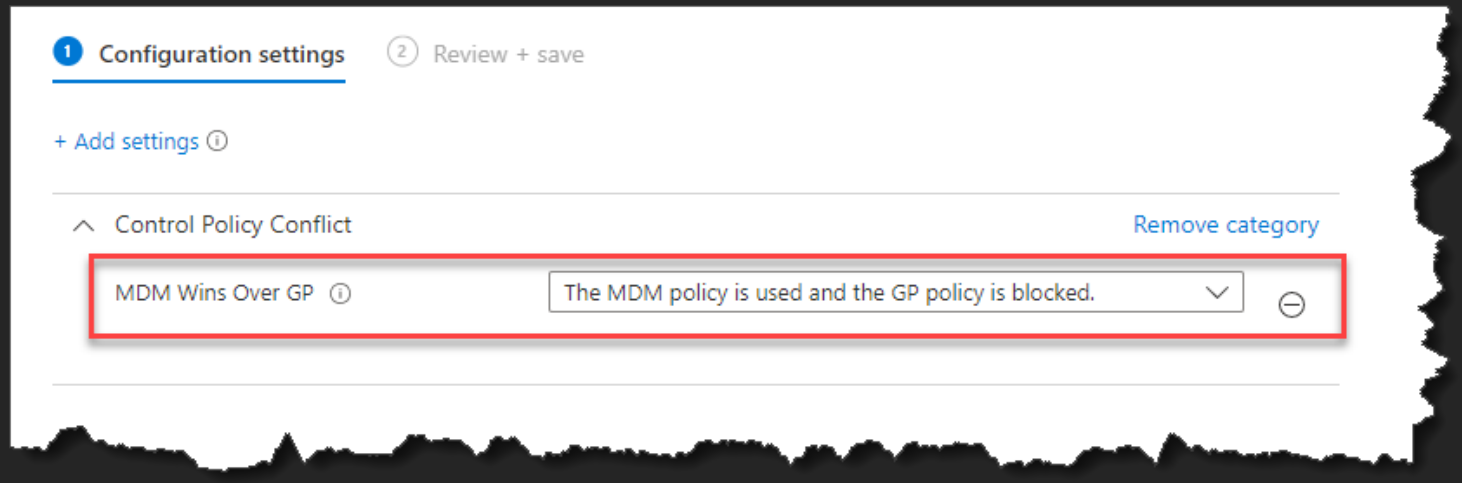
- Diagnostic Data (Device Name)
- WUfB Processing



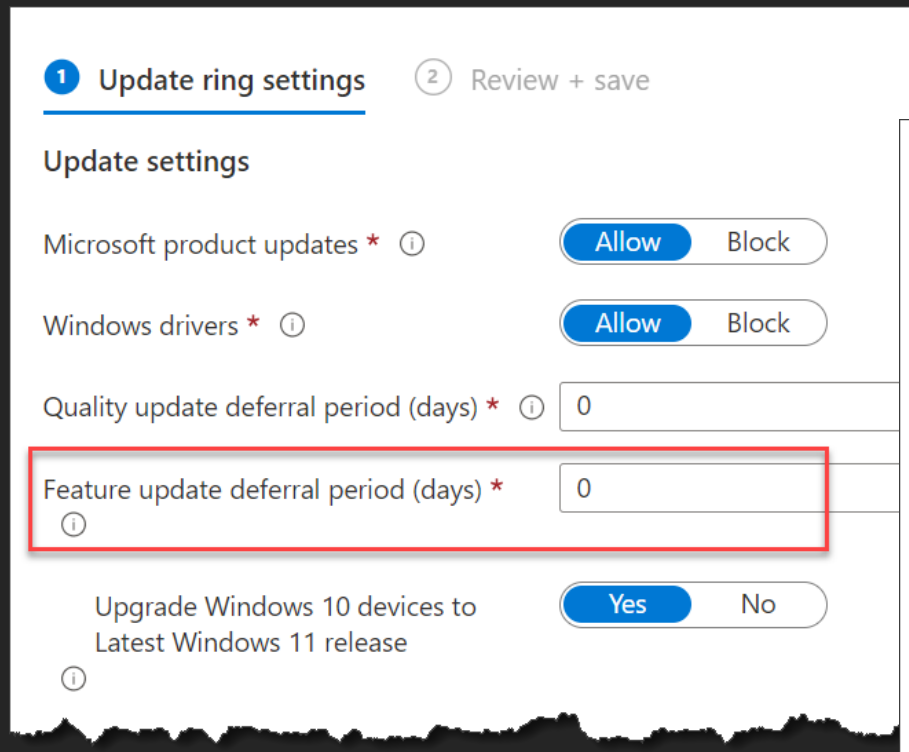


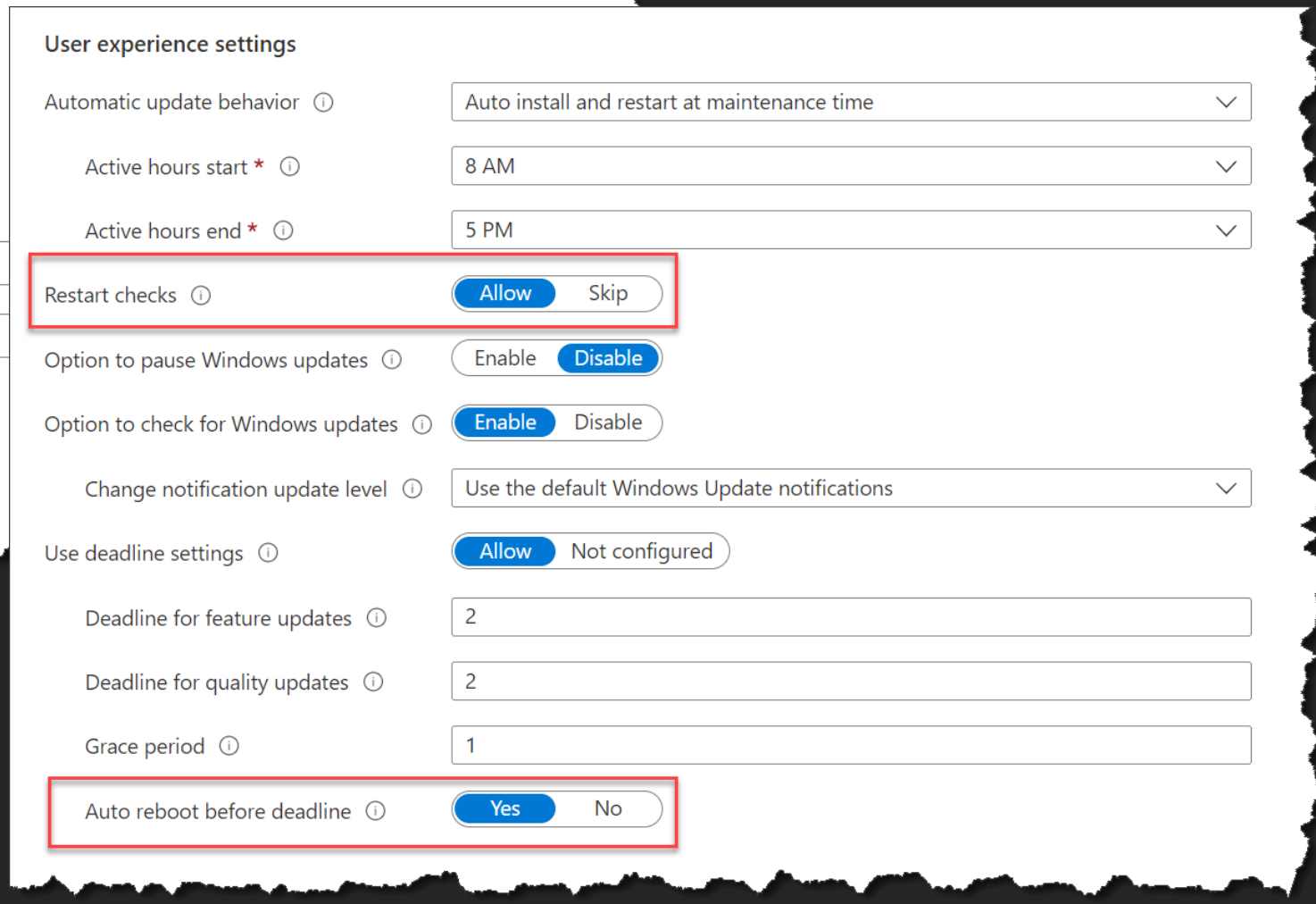
Policy - Control Policy Conflict

- MDM Wins Over GPO



Policy – Update Rings





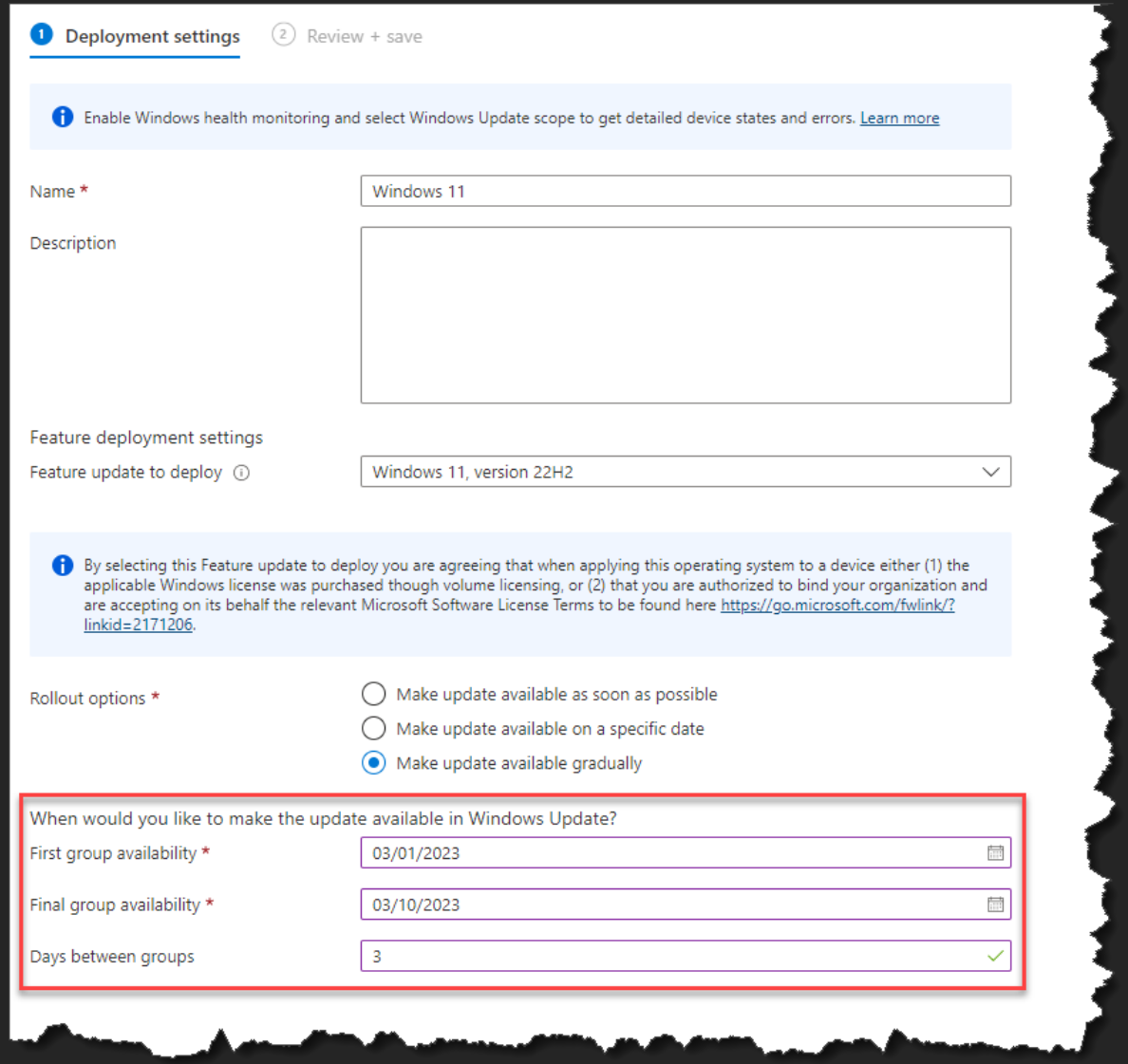
Feature Update Deployment

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)



Quality Updates / Expedited Updates

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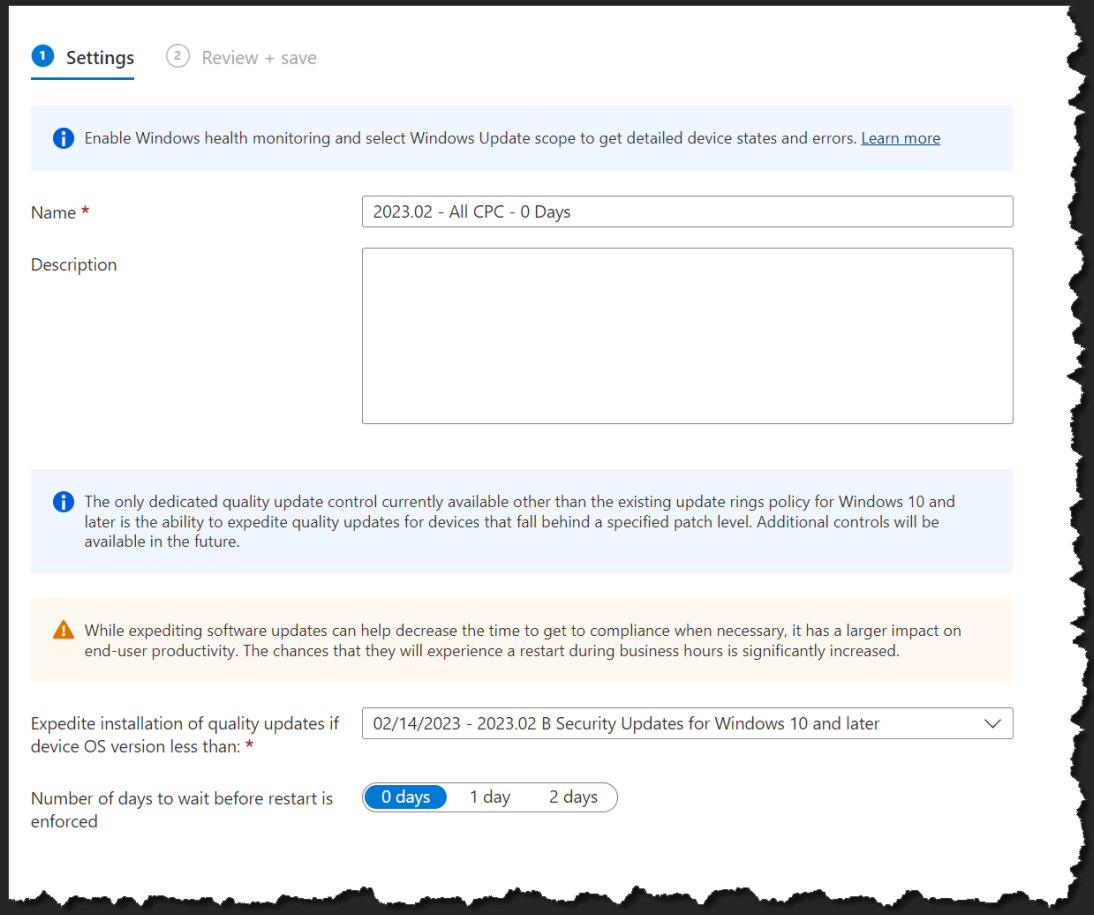
Pros

- 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!

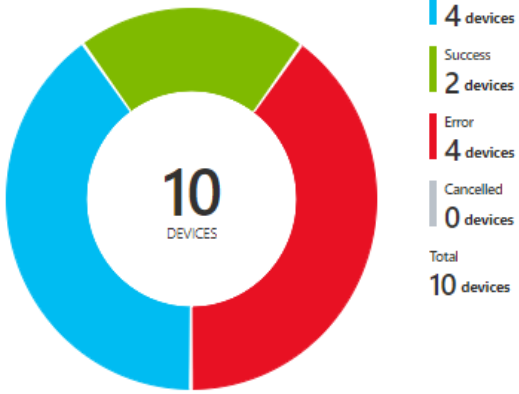


Windows 10 and later Expedited updates

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



In progress
4 devices

Success
2 devices

Error
4 devices

Cancelled
0 devices

Total
10 devices

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:
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)

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- 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

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.

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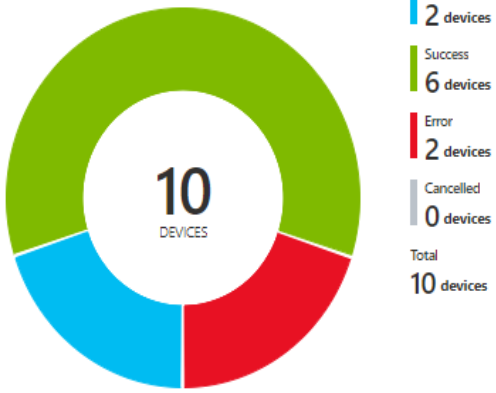

In progress
2 devices

Success
6 devices

Error
2 devices

Cancelled
0 devices

Total
10 devices

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-L7NPIFN	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

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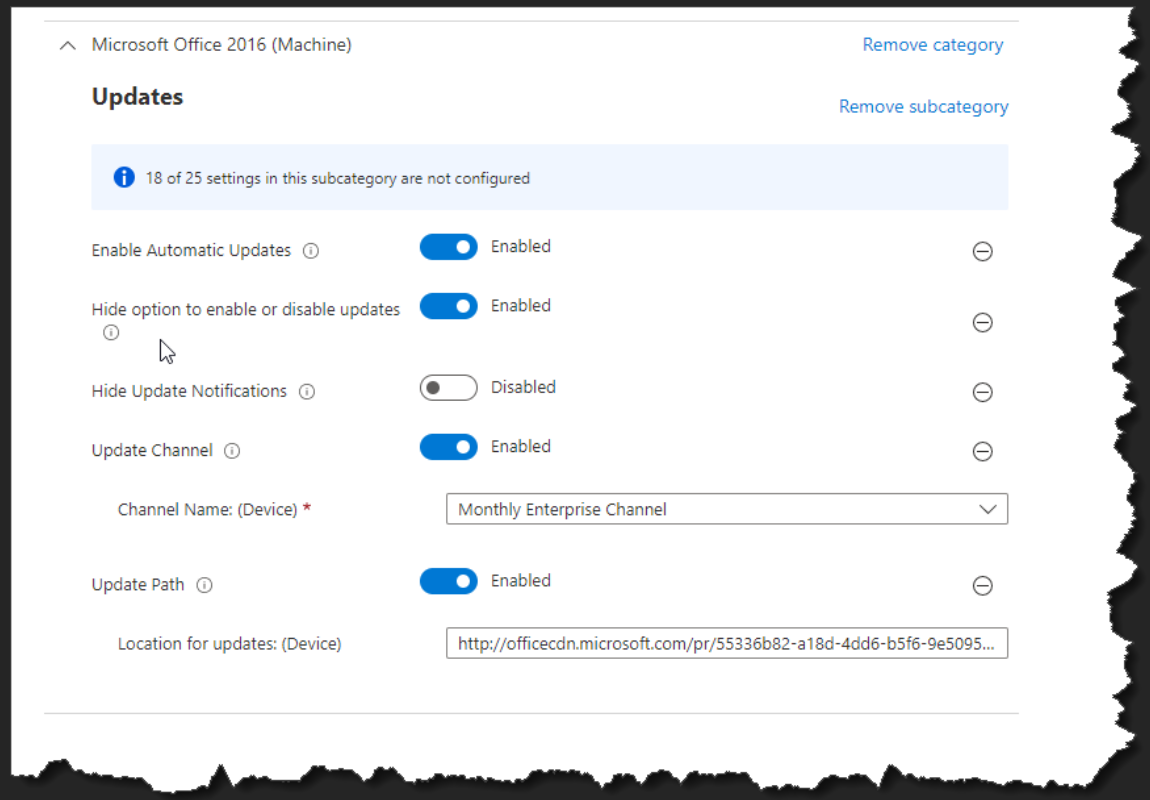
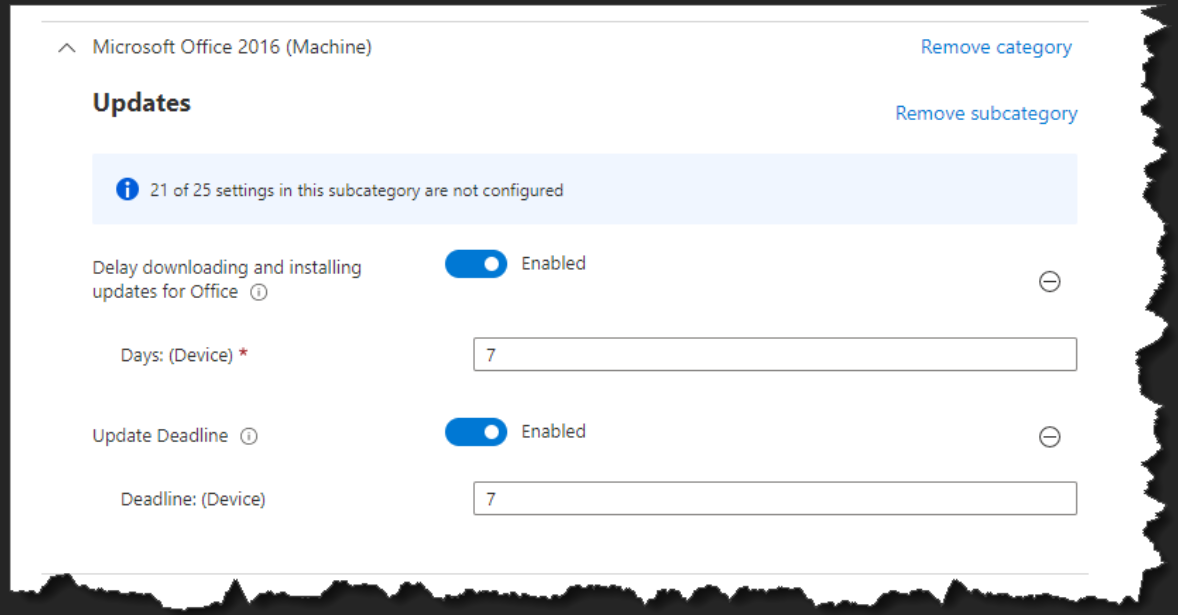
- Office Configuration (All)



- Deployment Rings



Microsoft Edge

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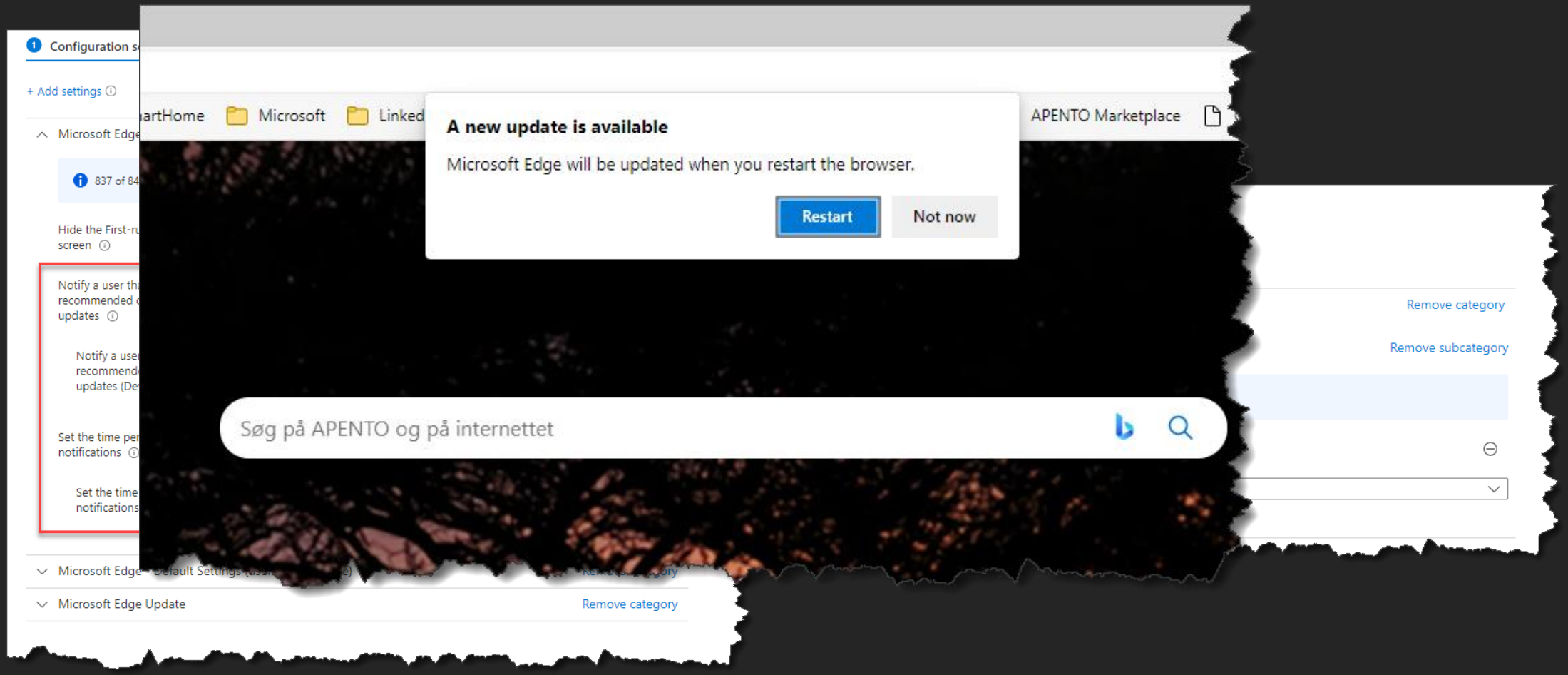

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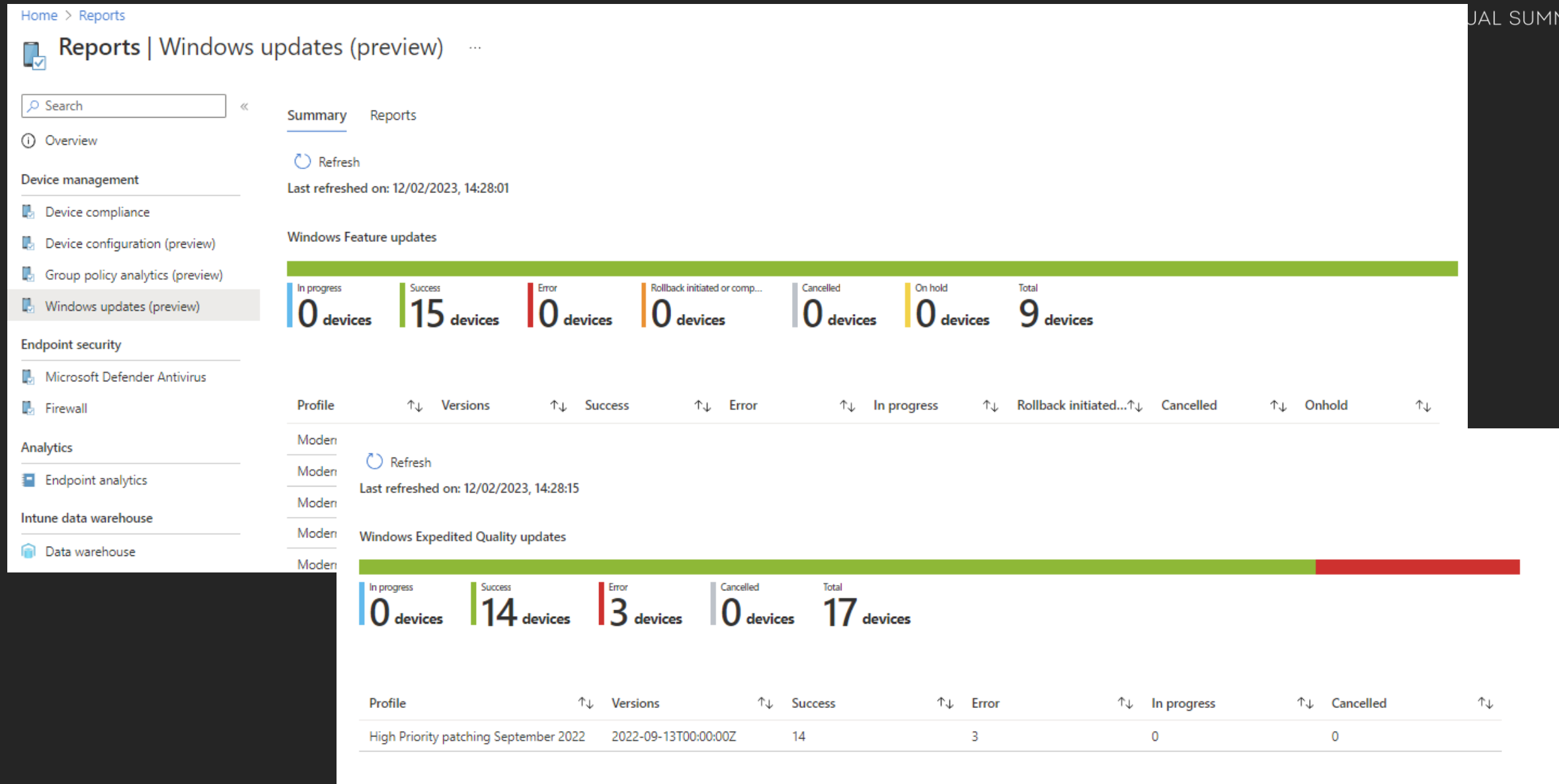
Reporting

Windows Update for Business

Reports: Windows updates



Customer after 60 days
(gradually roll-out)

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Windows Feature updates

In progress	Success	Error	Rollback initiated or comp...	Cancelled	On hold	Total
4,043 devices	13,252 devices	135 devices	1 devices	0 devices	0 devices	17,114 devices

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

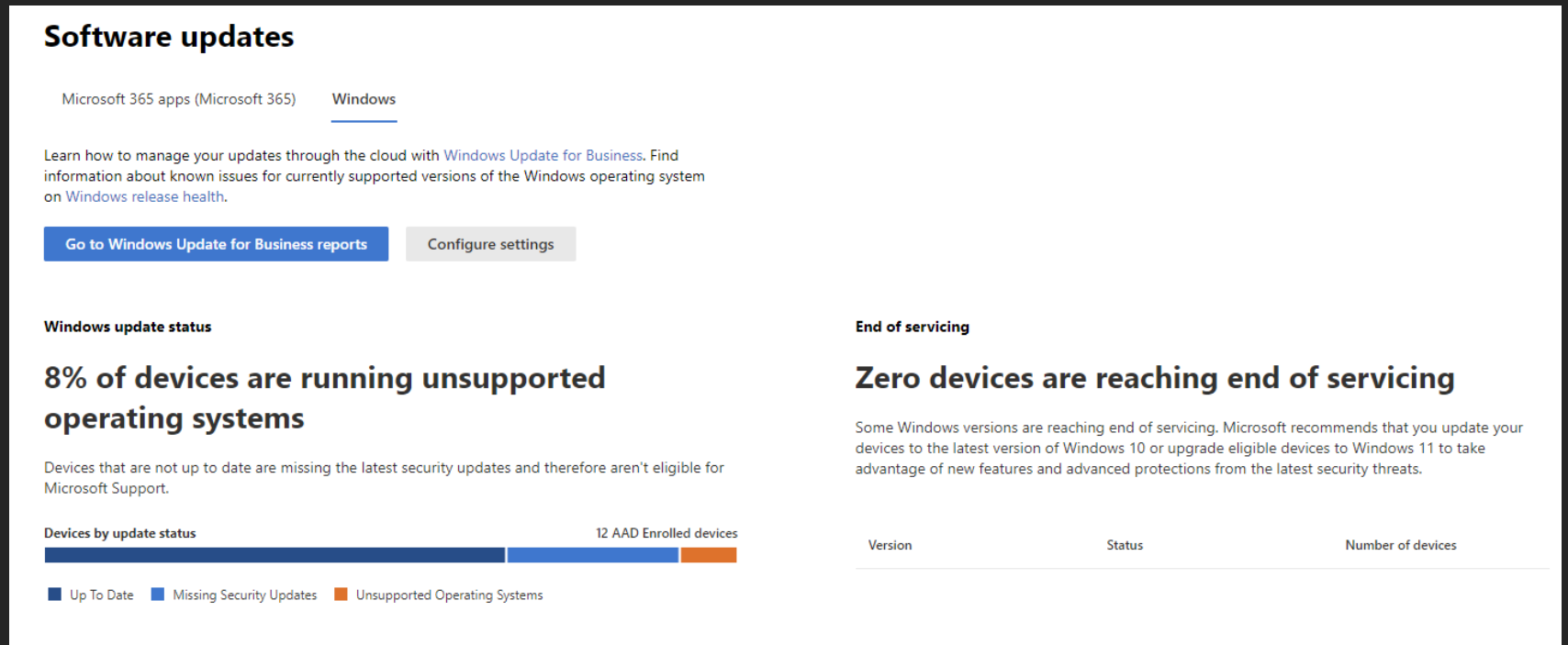
- Update Compliance is retiring on March 31st, 2023, enroll in WUfB reports by February 14th.
- No CommercialID needed anymore

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



MSEndpointMgr – Windows Update compliance Dashboard

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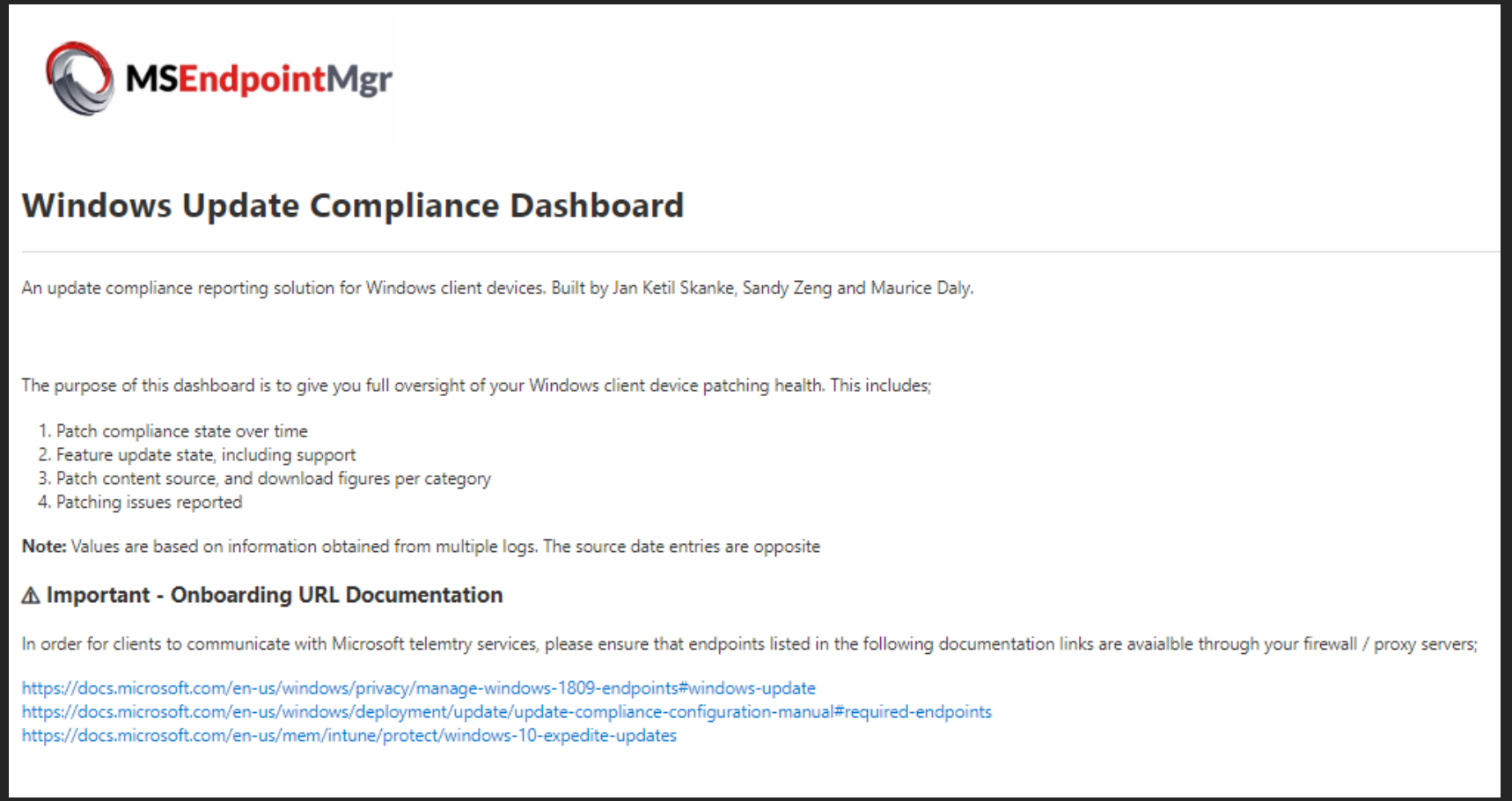
- Downloadable Workbook
- More details



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

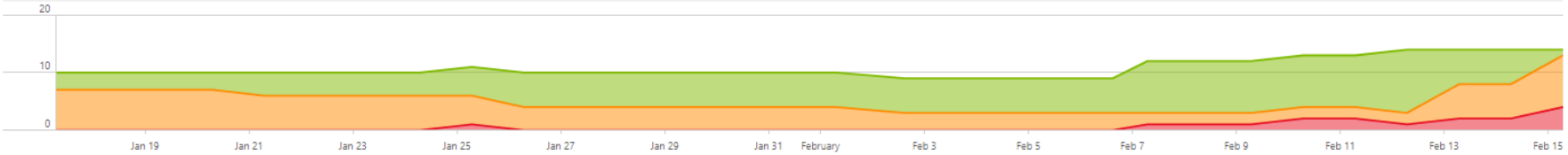
Windows Update for Business is reporting that not all of your devices are registered. This can be due to your update workload configuration, and/or retired devices in your environment.

WUfB Devices

15

Registered devices (> ago(90d))

Quality Update Patch Trend



Latest (Last) 1

Not Fully Patched (Last) 9

Missing Multiple Patches (... 4

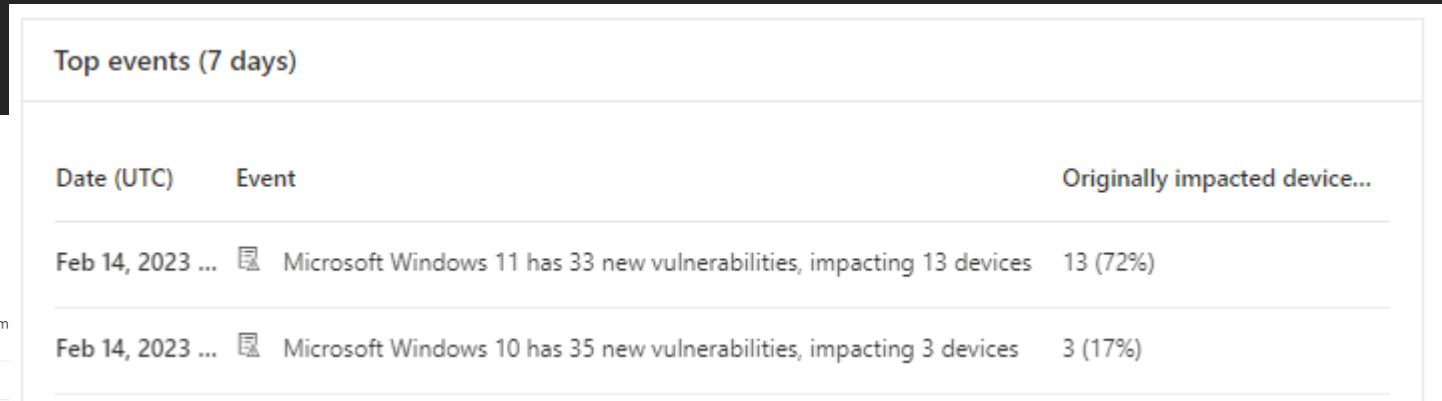
Successful Quality Update Installs - Per Day

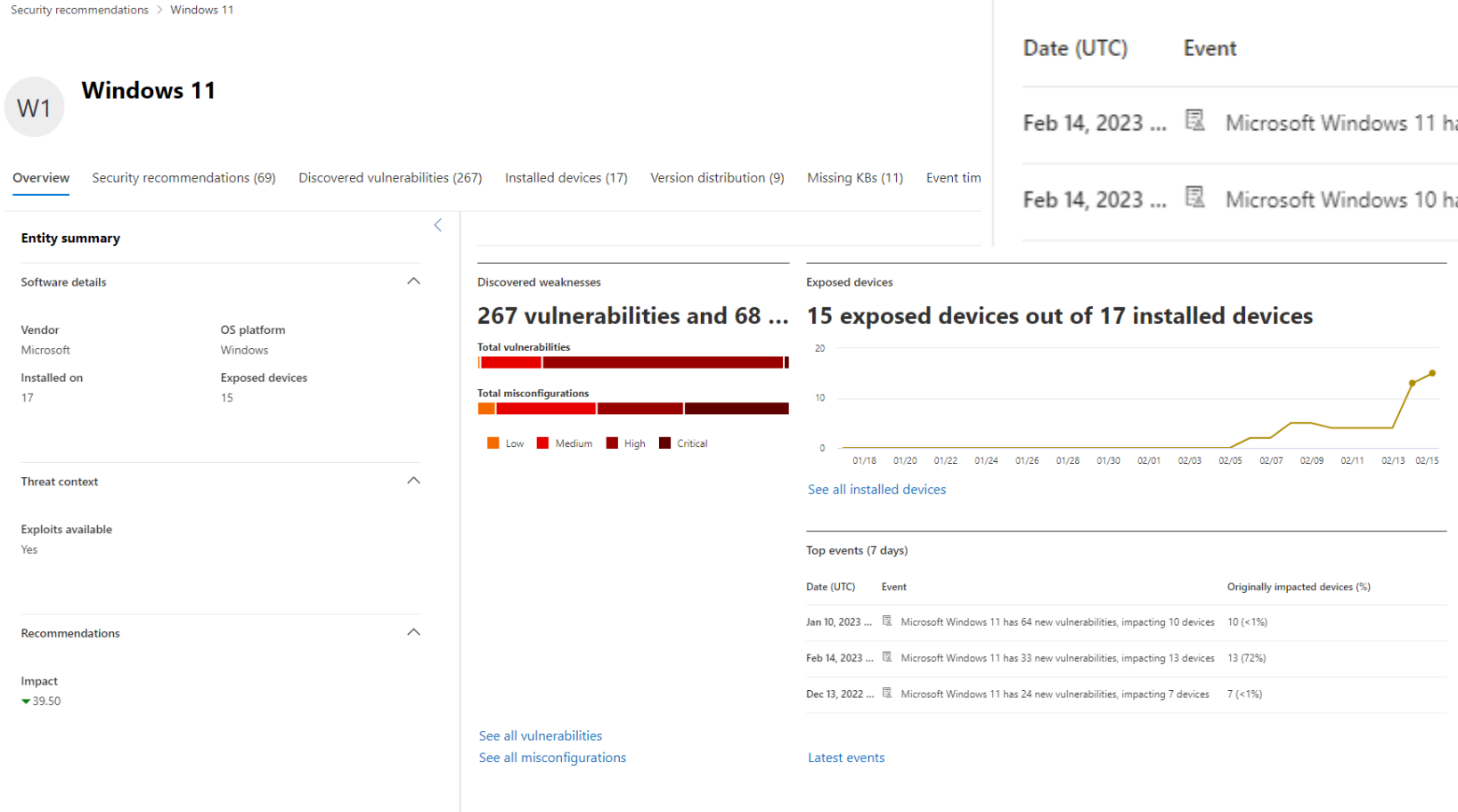
Patch Installation State

The query returned no results.

Defender for Endpoint

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



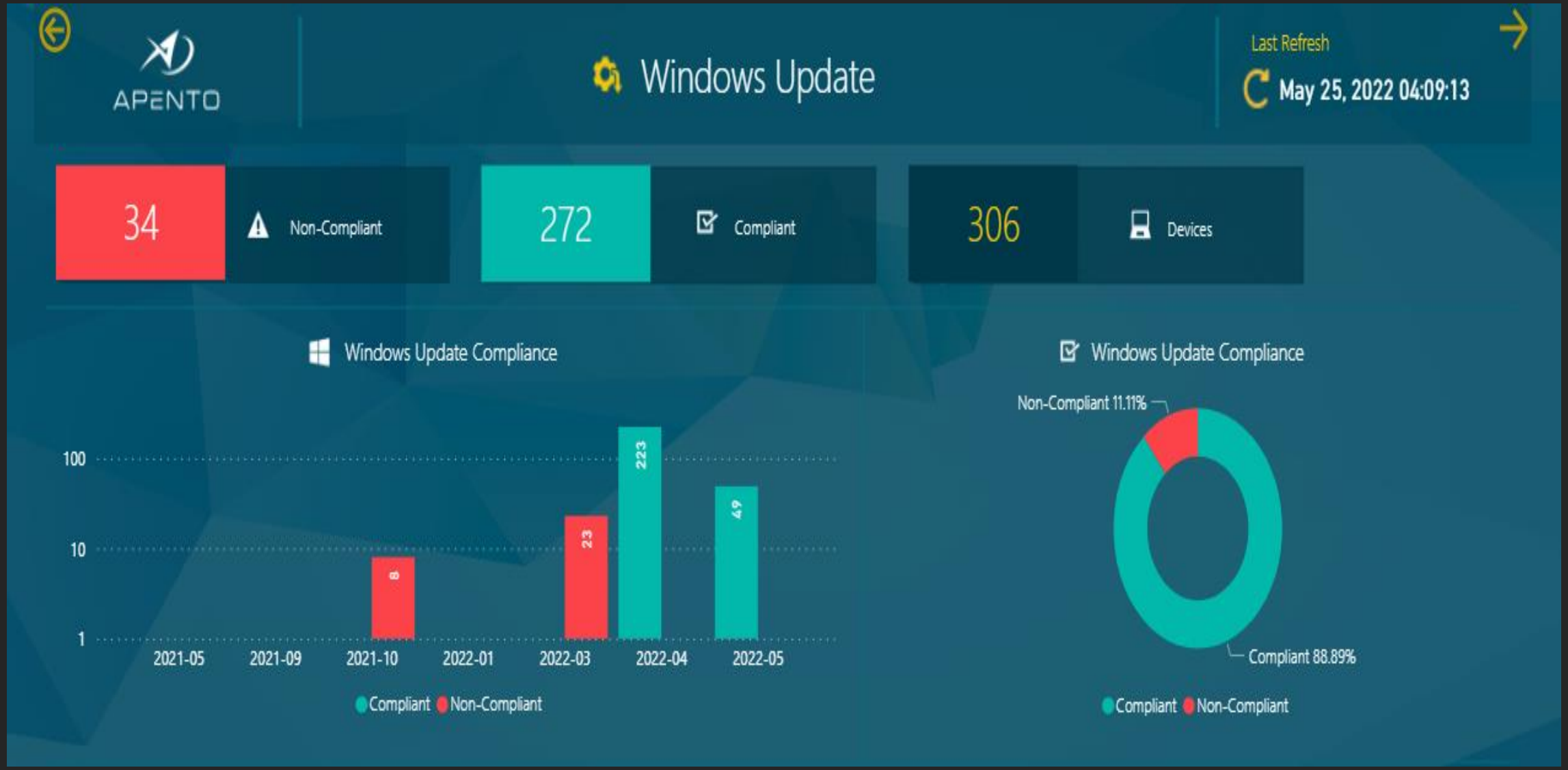


Challenges with patching/reporting

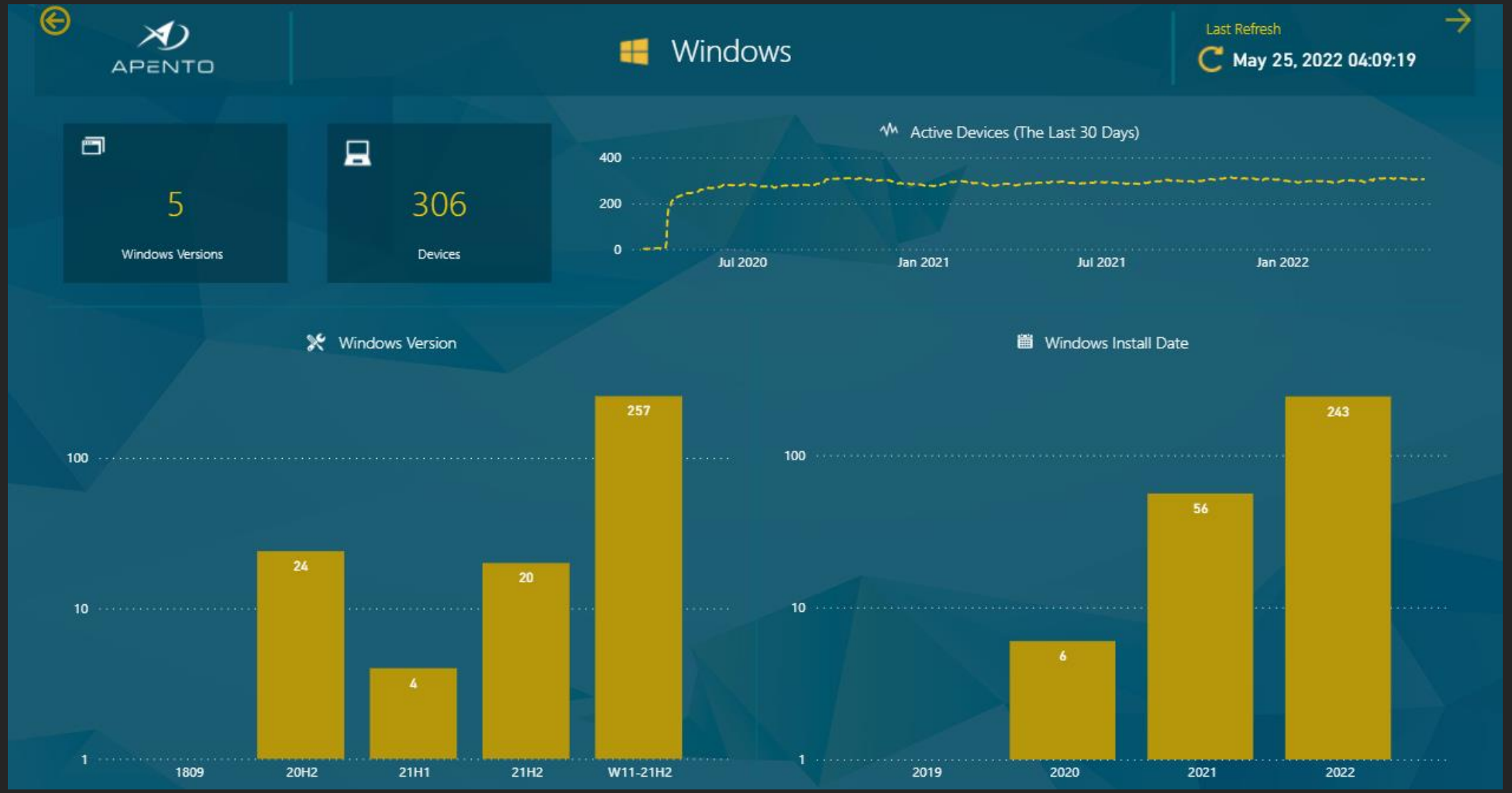
- You will never reach 100%
  - Inactive clients
  - Broken clients?!
- Using a different agent or solution to report = “GAP” Challenge
- “GAP” Challenge / update time challenge
  - Intune shows -100 devices / 8 hours
  - Defender for Endpoint – 95 device / fast
  - Windows Update for Business reports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

Who owns the GAP?

Custom Power BI Reports is key



Monitoring Feature Upgrades



Windows 11 Readiness- Endpoint Analytics

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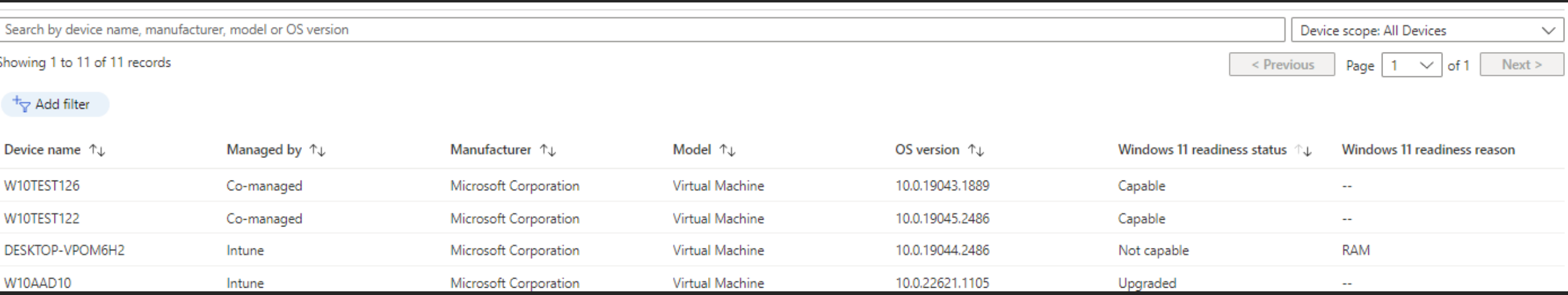
- Easy to start using (Tenant attach, Intune, Co-Management)
  - Requires Windows Enterprise E3 (Microsoft 365 E3, EMS E3 or better).



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	--

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Troubleshooting

Windows Update for Business

Safeguard Holds

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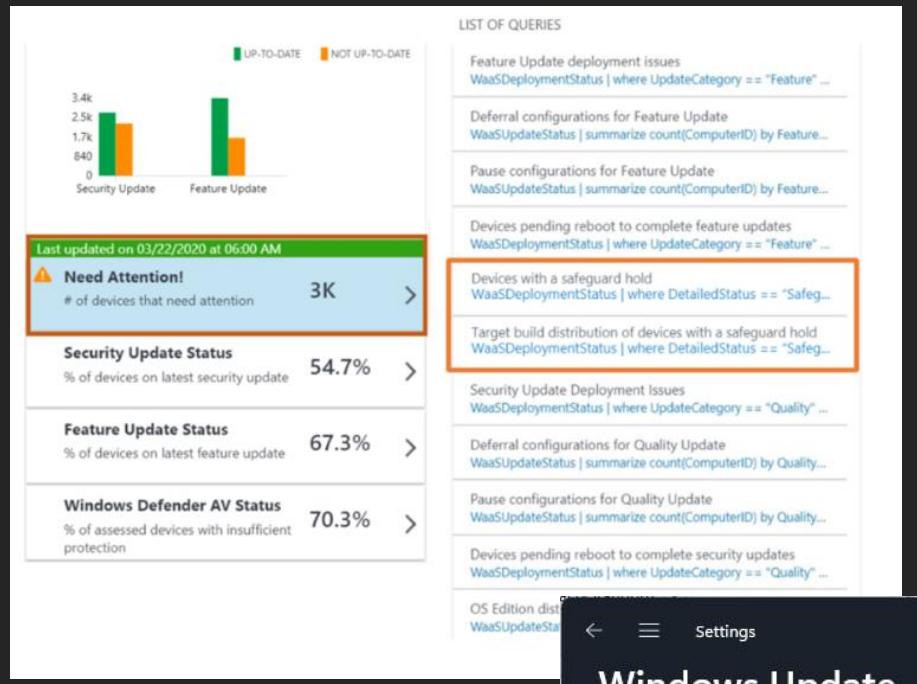
What is a Safeguard hold?

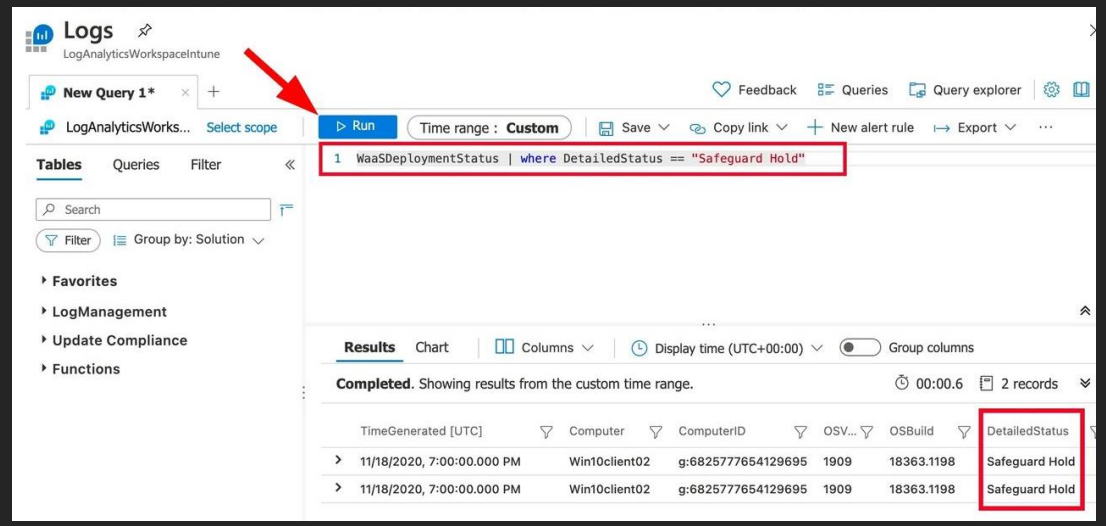
- Microsoft uses quality and compatibility data to identify issues that might cause a Windows client feature update to fail or roll back.
- When we find such an issue, we might apply safeguard holds to the updating service to prevent affected devices from installing the update in order to safeguard them 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 devices are ready for a feature update…
- Goal: To ensure a smooth experience!





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://githuBb.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

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

- Script deployed from
  - SCCM
  - Intune

Code editor

Language mode: PowerShell | Font: Consolas | Size: 10 | Zoom: 100%

```powershell
#------------------------------------------------------------
# Script: WUfB-Now.ps1
# Author: Ronni Pedersen, APENTO
#------------------------------------------------------------

Set-ExecutionPolicy Unrestricted -Force
Set-PSRepository -InstallationPolicy Trusted -Name PSGallery
Start-Sleep -Seconds 30

#Install required modules
Install-PackageProvider -Name NuGet -Force
Start-Sleep -Seconds 30
Install-Module PSWindowsUpdate -Force -Verbose

Import-Module PSWindowsUpdate

#Install all updates from Windows Update (online)
Get-WindowsUpdate -WindowsUpdate -AcceptAll -Install -IgnoreReboot -ShowPreSearchCriteria -Silent -Verbose

#Install all updates (not drivers) from Windows Update (online)
#Get-WindowsUpdate -WindowsUpdate -UpdateType Software -AcceptAll -Install -IgnoreReboot -ShowPreSearchCriteria -Silent -Verbose

#Collect the WindowsUpdateLog file.
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*

```
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

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

File Edit Selection View Go Run Terminal Help • $CCMNetworkCost = (Invoke-CimMethod -Nam • Untitled-1 - Visual Studio Code

autopilotFetch.ps1 | Remediate-MeteredConnection.ps1 2 | $CCMNetworkCost = (Invoke-CimMethod -Nam Untitled-1 ● | Workspace Trust

```powershell
$CCMNetworkCost = (Invoke-CimMethod -Namespace "root\ccm\ClientSDK" -ClassName "CCM_ClientUtilities" -MethodName GetNetworkCost).Value
Write-Host "ConfigMgr Cost: $($CCMNetworkCost)"

If($CCMNetworkCost -ne 1) {
    #Set metering to 1, restart client so it will check in, remove the policy instance, then get new policies
    $PolicyNameSpace = "root\ccm\Policy\Machine\ActualConfig"
    $NwClassName = "CCM_NetworkSettings"
    $obj = Get-CIMInstance -Namespace $PolicyNameSpace -ClassName $NwClassName
    If($obj.MeteredNetworkUsage -ne 1) {
        Write-Host "ConfigMgr MeteredNetworkUsage is set to $($obj.MeteredNetworkUsage)"
        Write-Host "Reseting ConfigMgr CCM_NetworkSettings Policy"
        $obj | Set-CimInstance -Property @{MeteredNetworkUsage=1}
        Restart-Service -Name ccmexec -ErrorAction SilentlyContinue
    }
}
```

All services > Devices | Configuration profiles > Allow windows updates over metered networks >

Edit profile - Allow windows updates over metered networks

Settings catalog

Configuration settings | Review + save

+ Add settings

Windows Update For Business — Remove category

68 of 69 settings in this category are not configured

Allow Auto Windows Update Download Over Metered Network — Allowed

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

Remove legacy policies (GPO)

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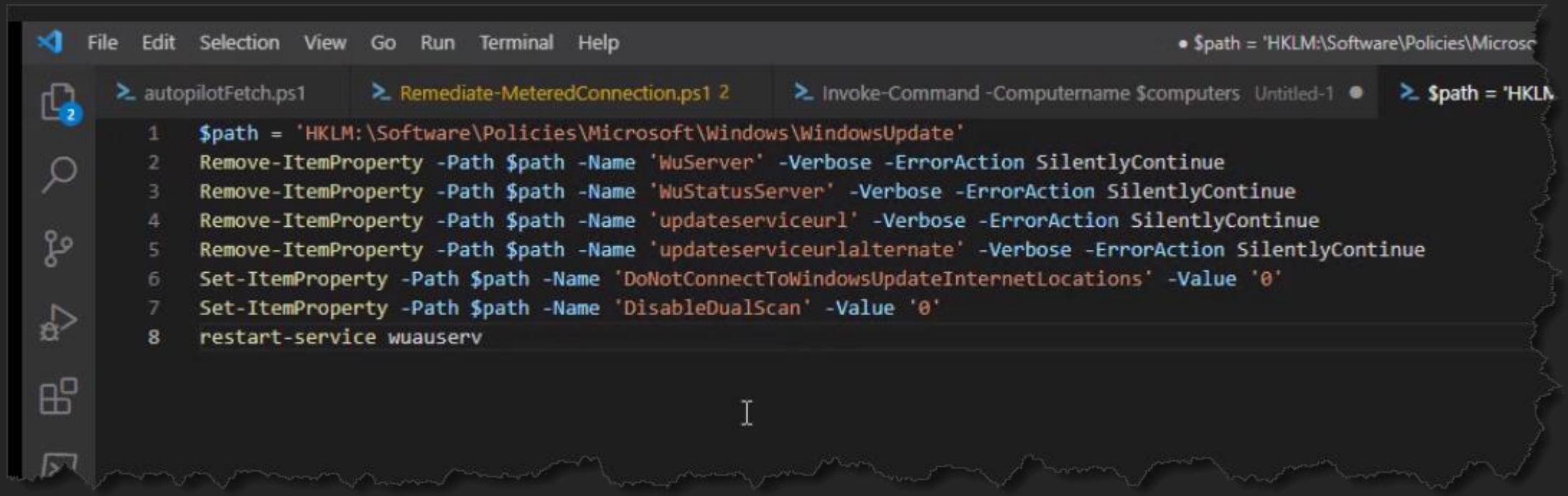
- Quick Fix: A simple script to clean up the registry



Windows Update Assistant

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

Code editor

Language mode: PowerShell Font: Consolas Size: 10 Zoom: 100%

```
1  $currentdate = Get-Date -format 'ddMMyyyy_HHmmss'
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

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Disclaimer:

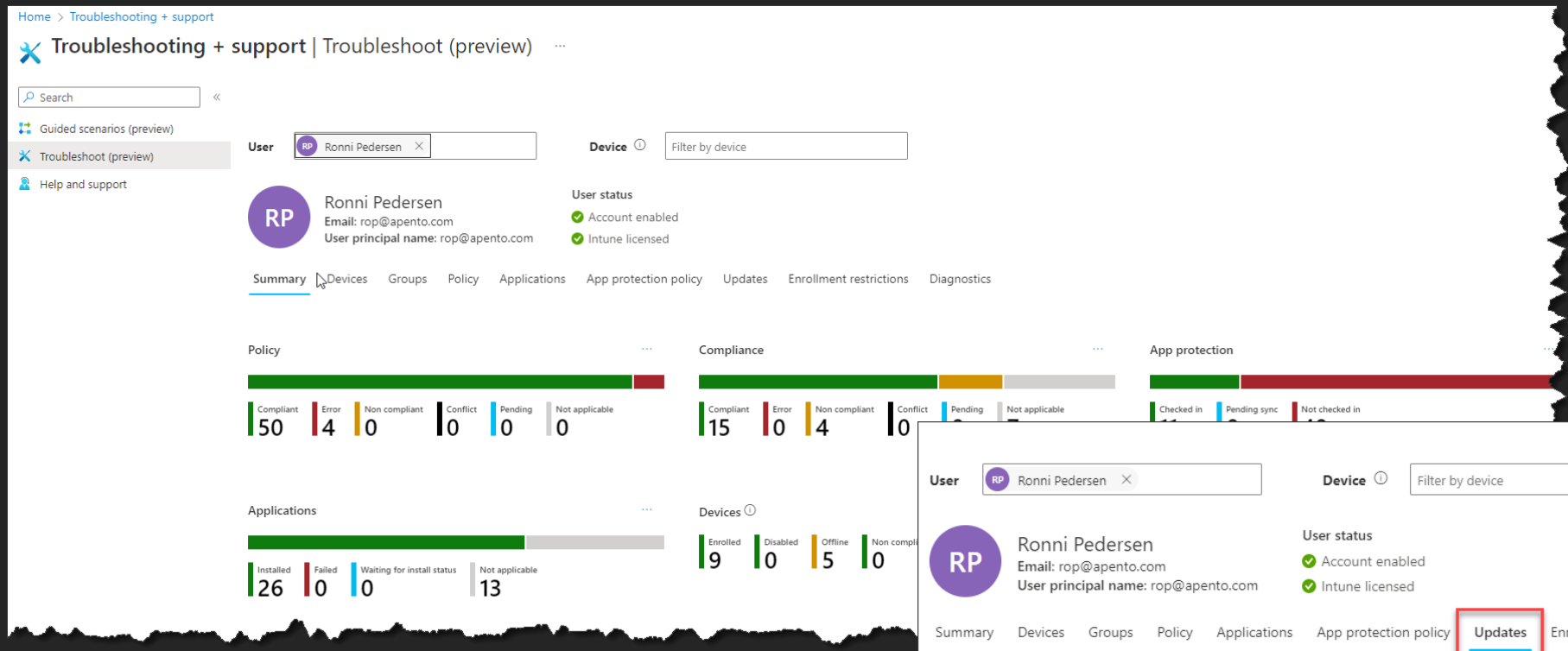
- This method is **not** supported
- I've reconnected multiple devices using this script and it worked great!

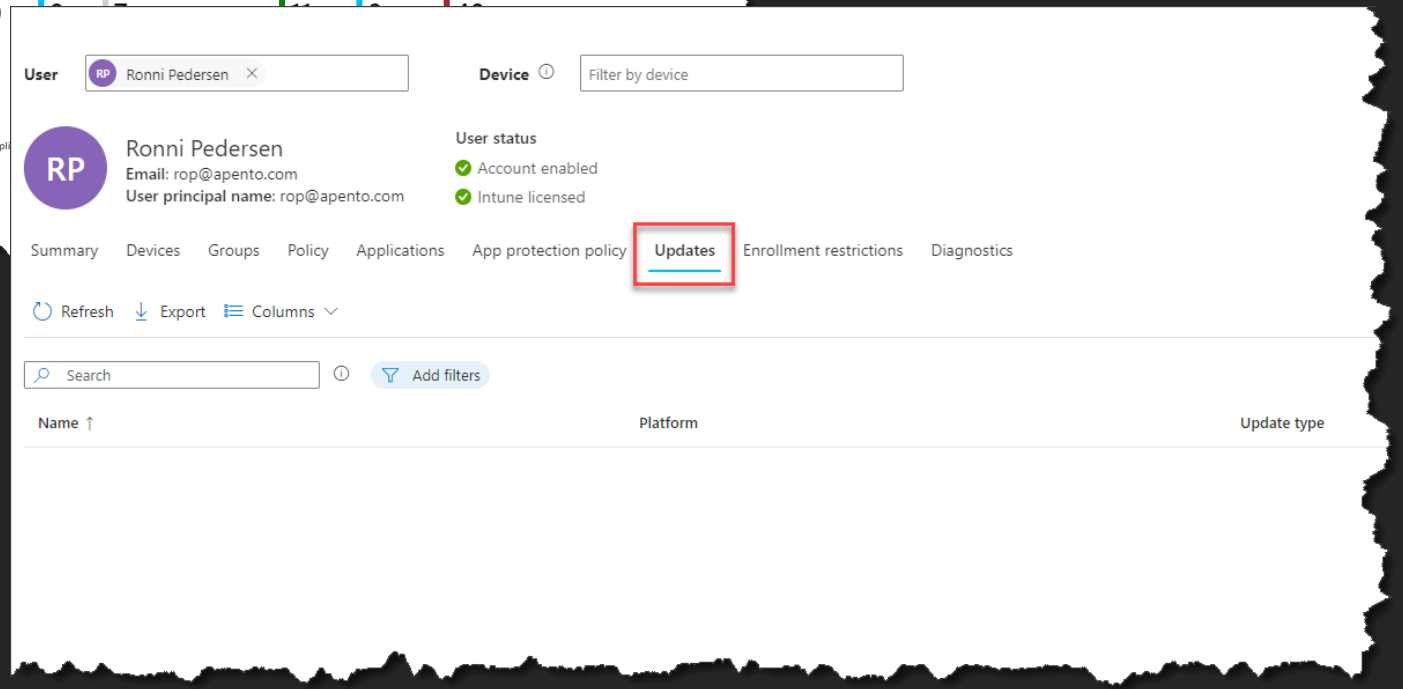
- So, if you are at the dead end, it may serve you well! ☺

- Source: https://universecitiz3n.tech/powershell/Reenroll/

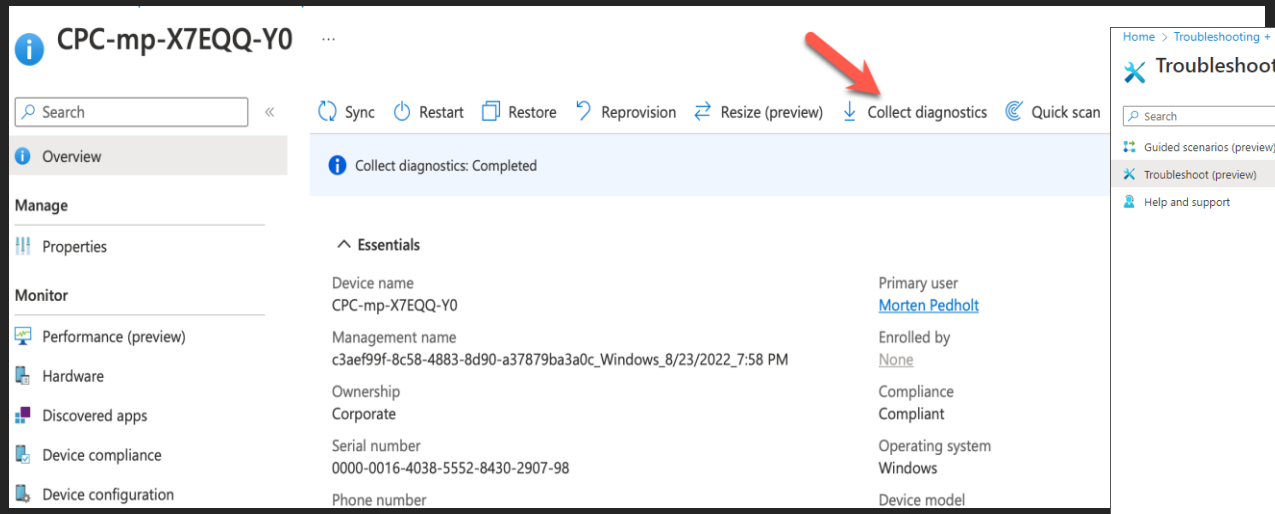
```
$Global:ErrorActionPreference = 'Stop'
Write-Host "Stopping Intune Service" -ForegroundColor Yellow
Get-Service *intune* | Stop-Service
Write-Host "Check if device is AAD Joined" -ForegroundColor Yellow
$DSREGCMD = dsregcmd /status
$AADJoinCheck = $null
$AADJoinCheck = $DSREGCMD | Select-String -Pattern 'AzureAdJoined : YES'
if ($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 $psitem -Verbose -Confirm:$fa
} 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"
```

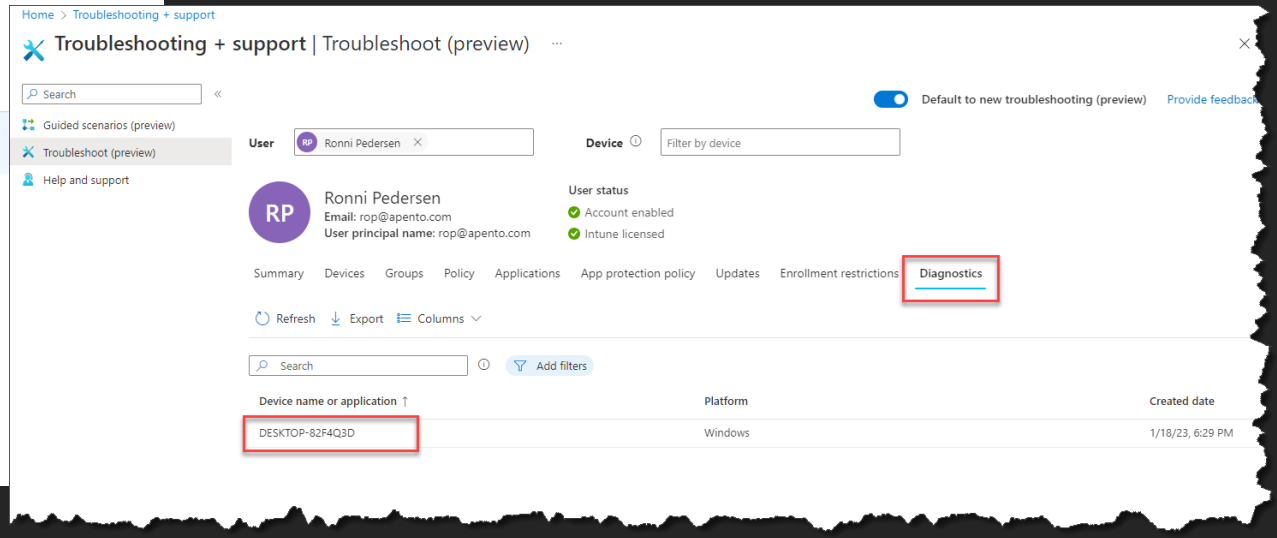
Troubleshooting Preview

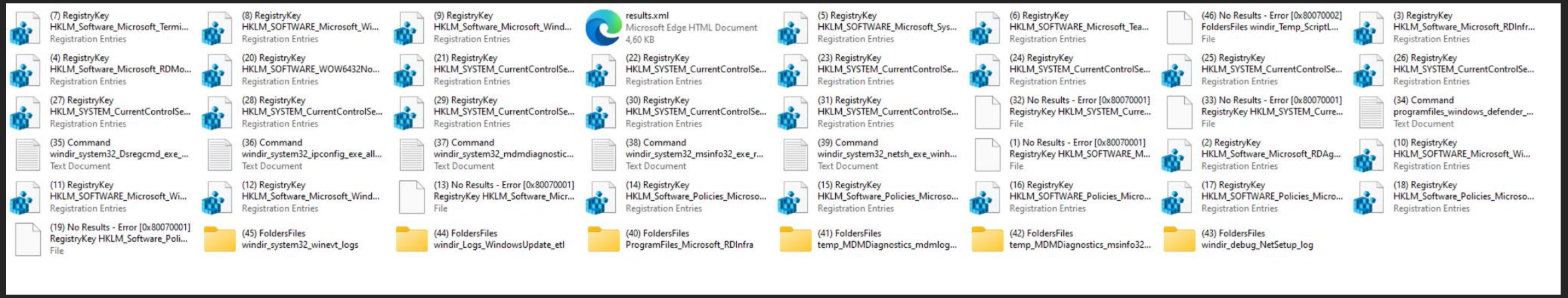




Collect Diagnostics

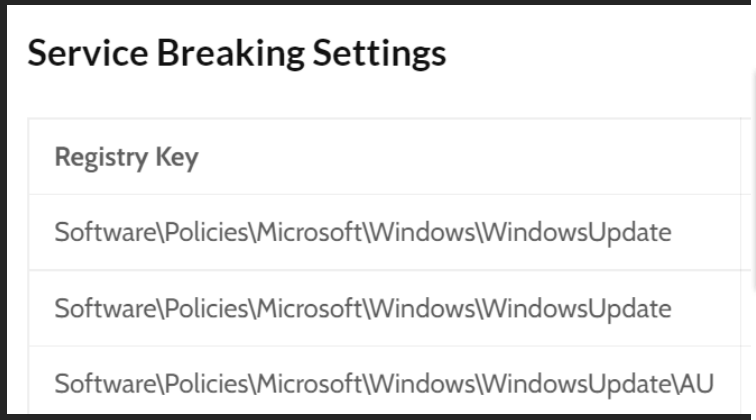


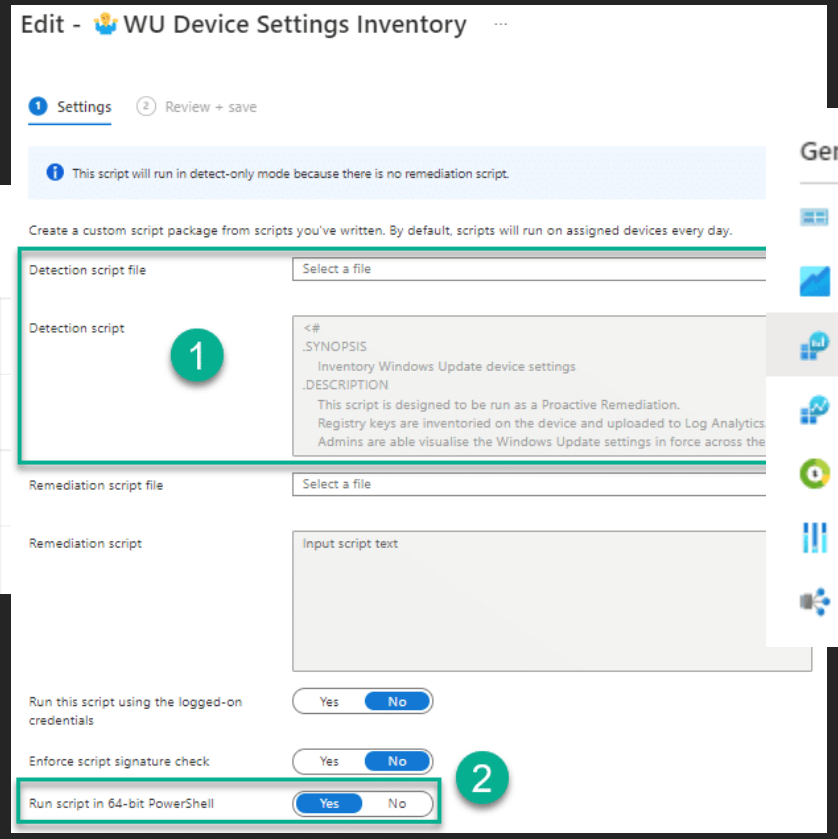


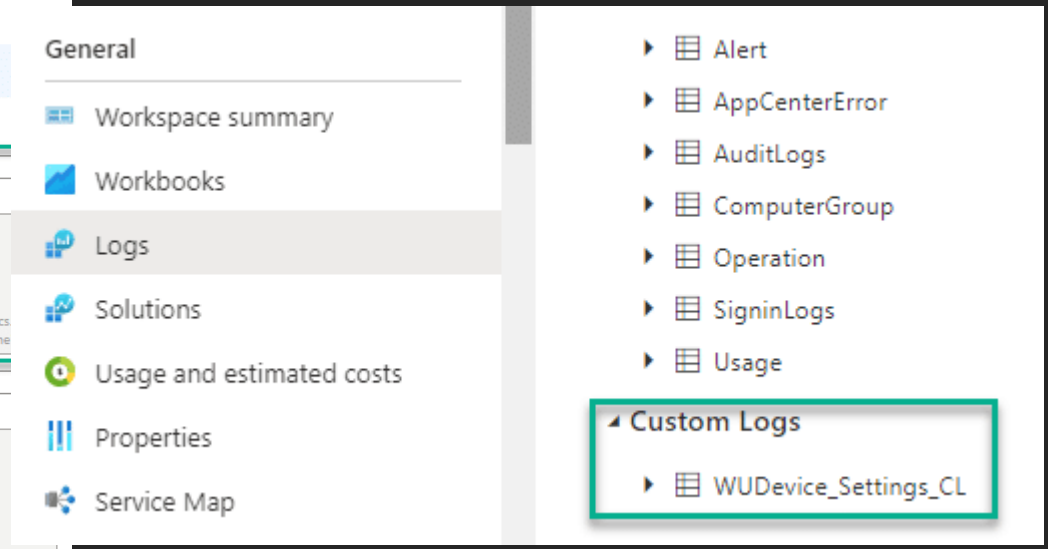


Migrating from other solutions

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







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

Service Break Settings

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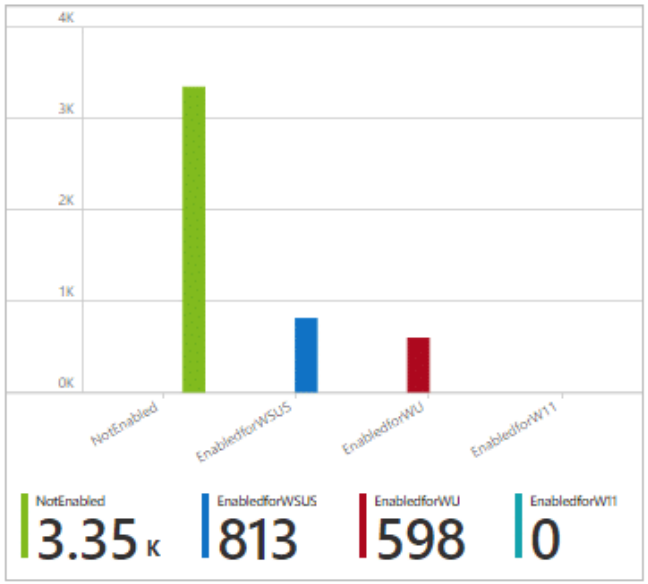
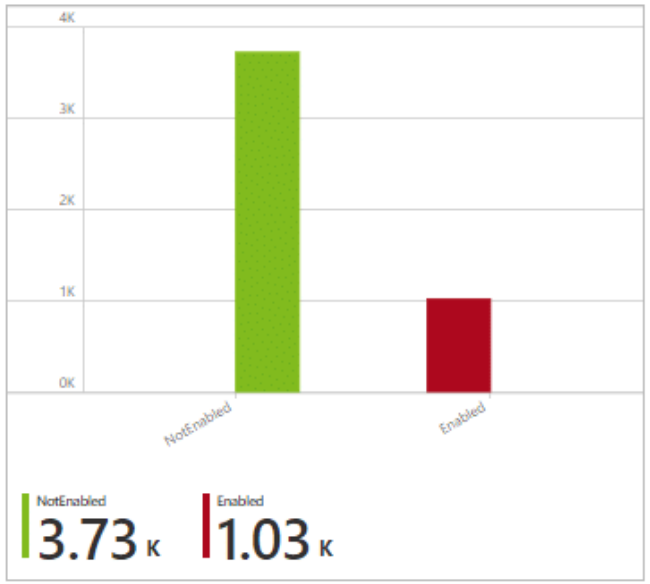
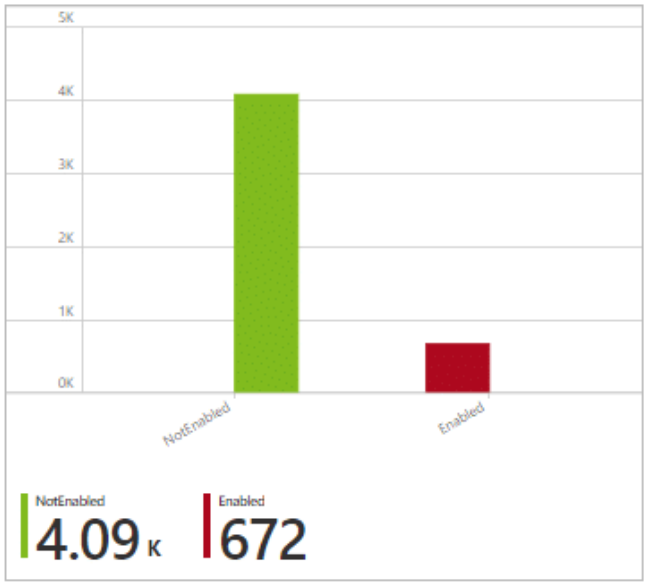
DisableDualScan



NoAutoUpdate



DoNotConnectToWindowsUpdateInternetLocations



DisableDualScan

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

NoAutoUpdate

Setting	Devices
NotEnabled	3729
Enabled	1028

DoNotConnectToWindowsUpdateInternetLocations

Setting	Devices
NotEnabled	4085
Enabled	672

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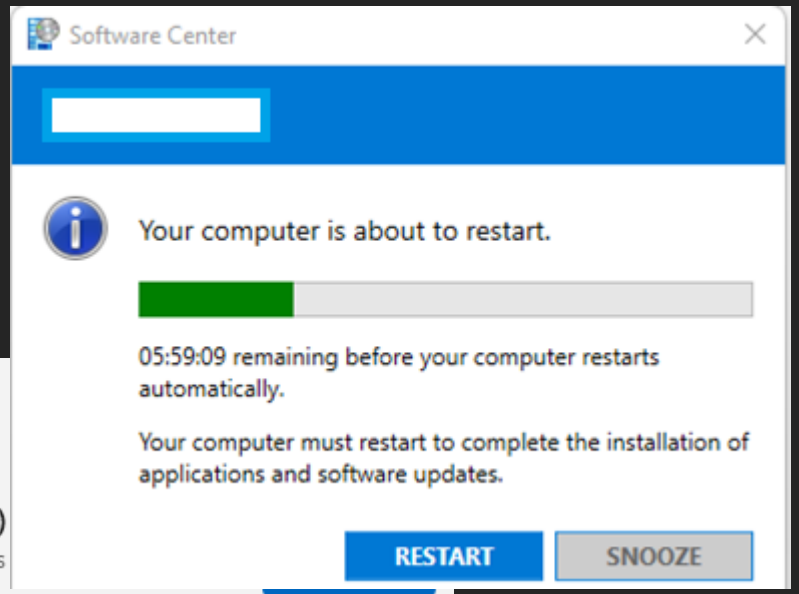
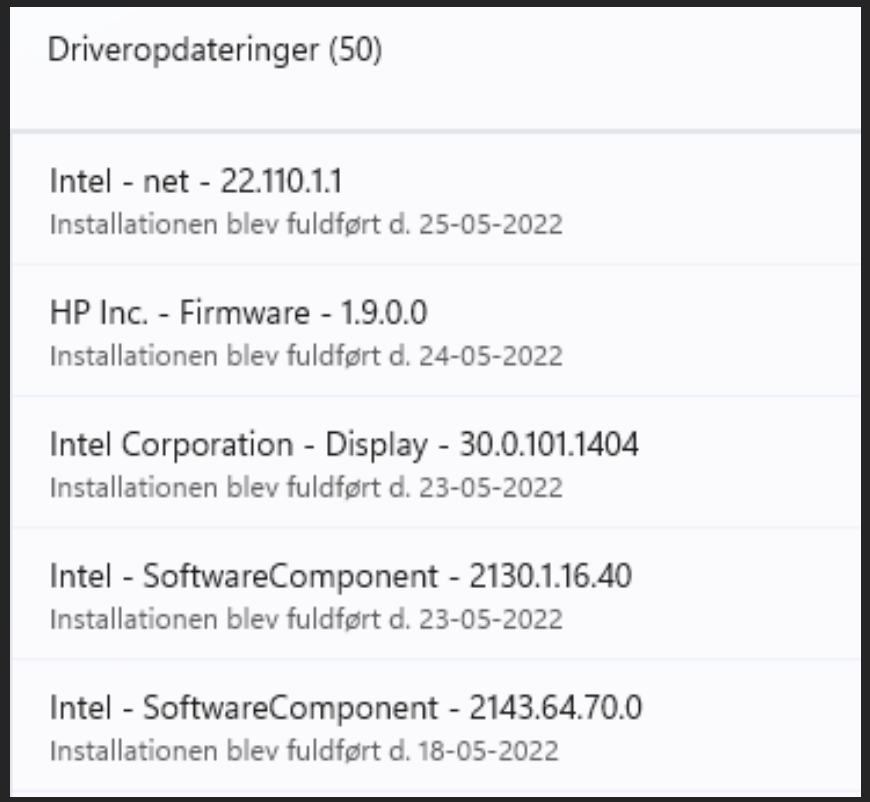
Drivers and Firmware

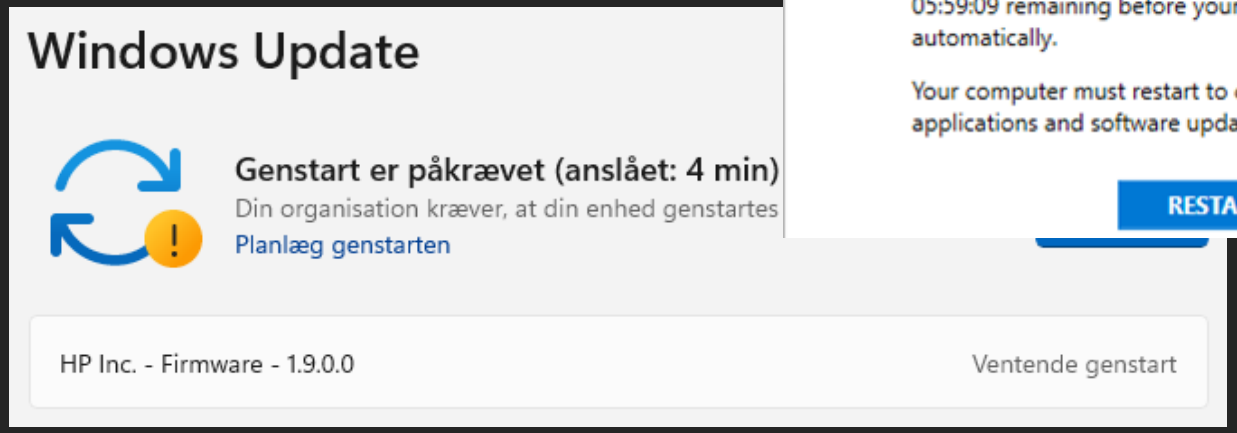
Windows Update for Business

Driver Updates using WUfB

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







Commercial driver and firmware servicing is publicly available!

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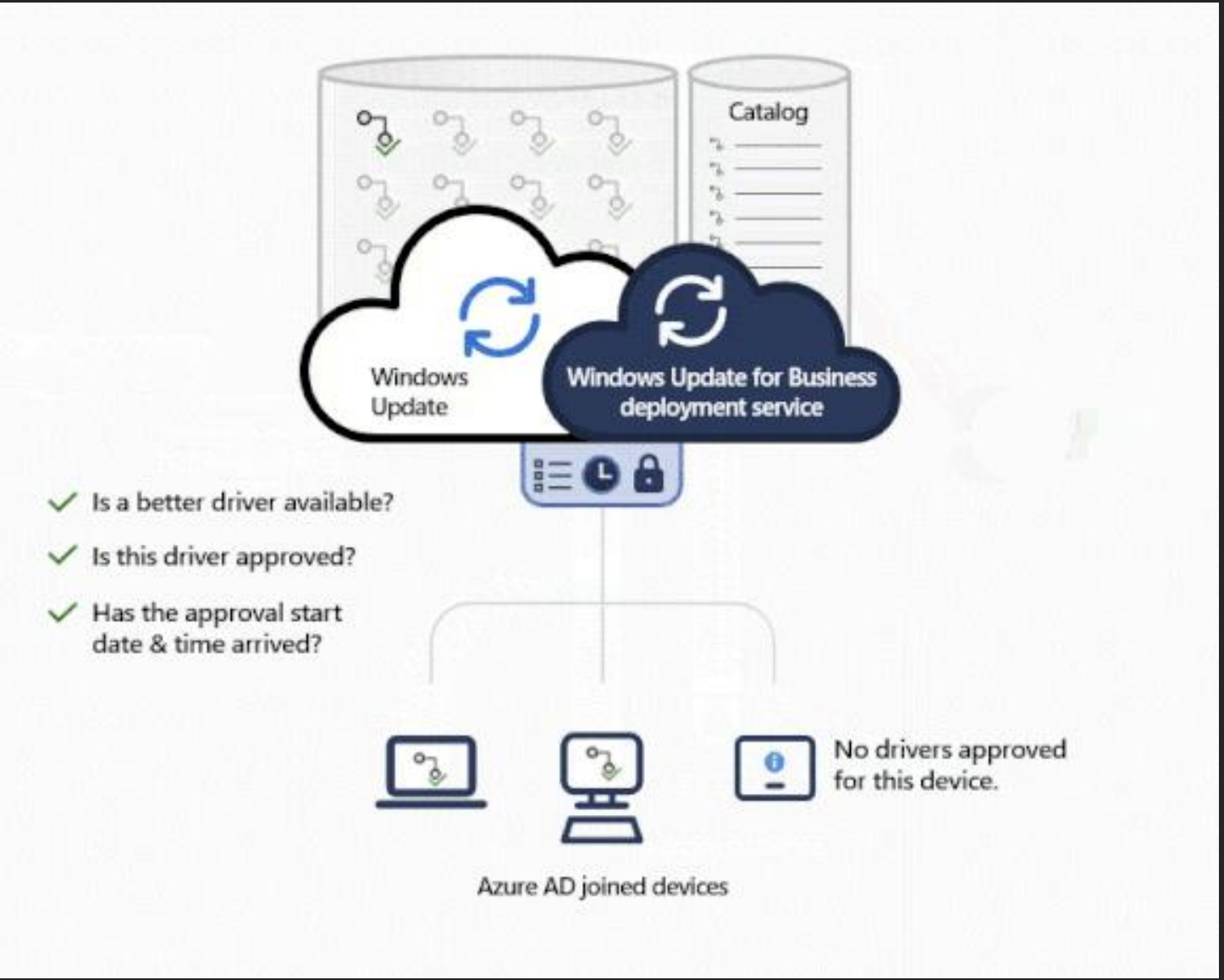
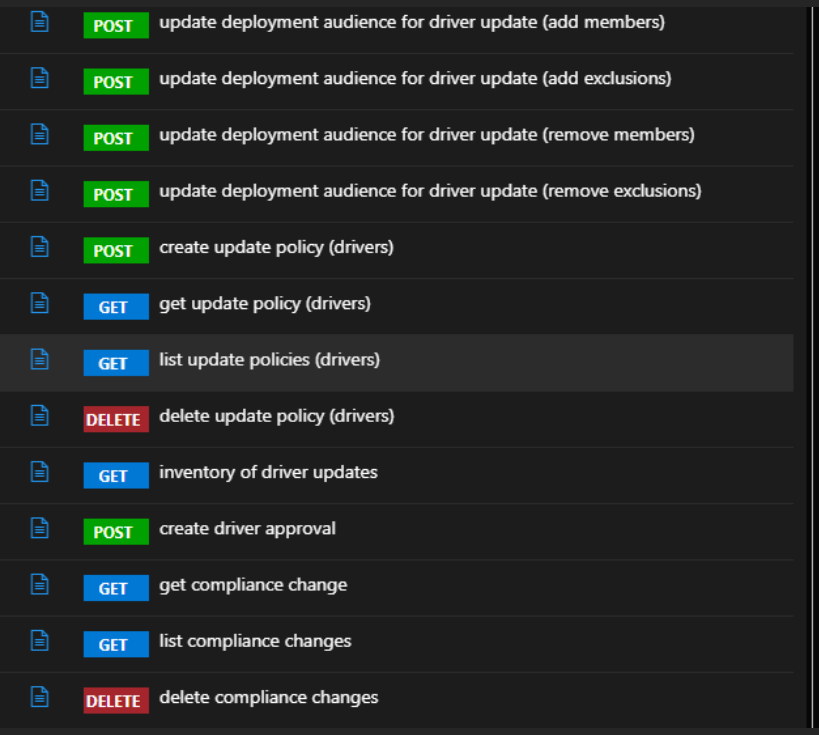
- Public Preview of commercial controls for driver and firmware servicing in the Windows Update for Business (WUfB) deployment service!
- This platform allows for control of driver deployment from Windows Update (WU) to eligible cloud-attached commercial devices.
  - Which drivers/firmware to install
  - 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

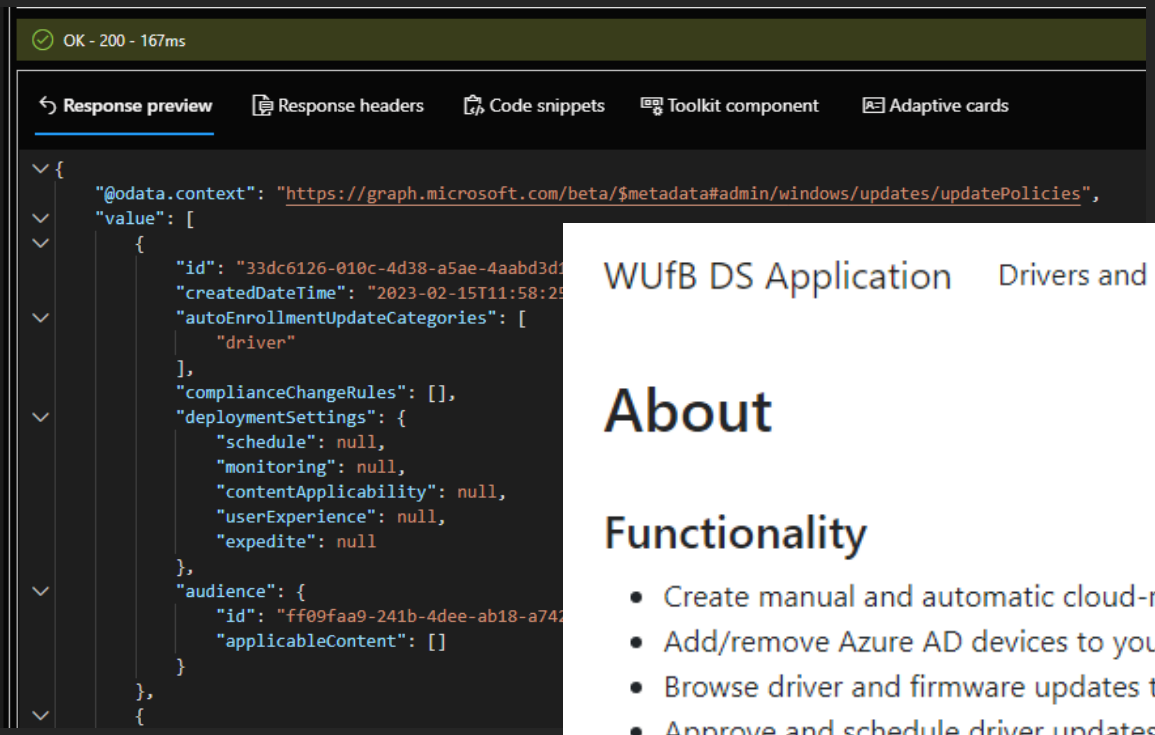
Why are we excited?

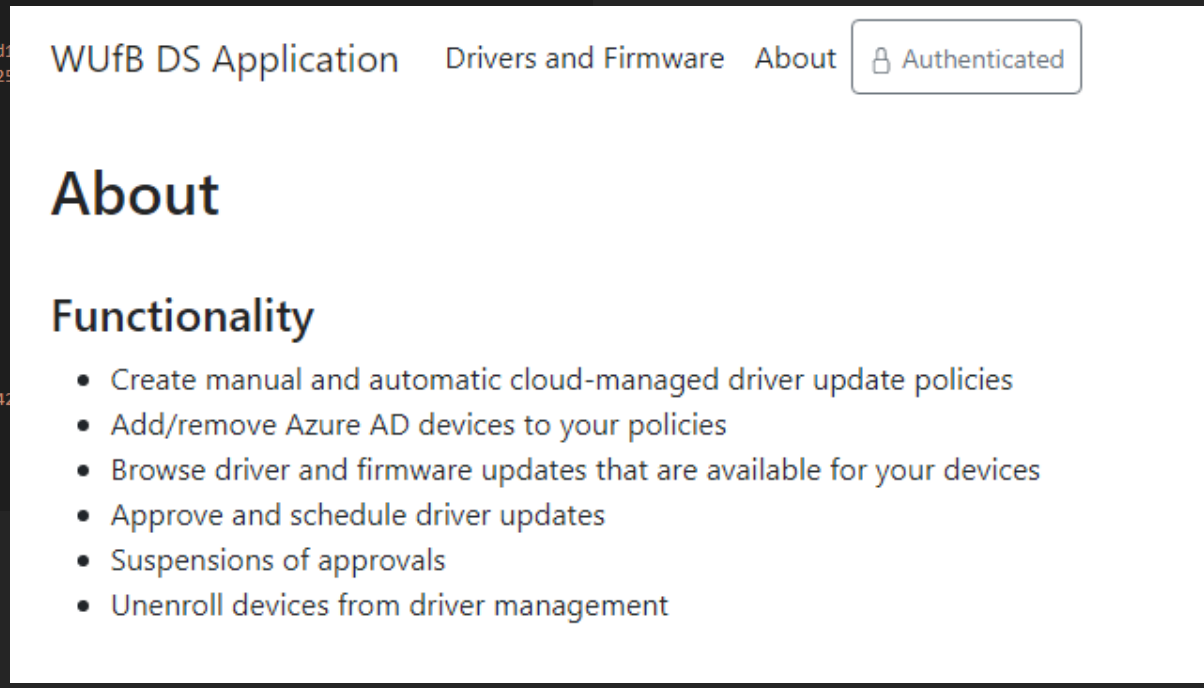


How to test it out

- Sample Webapp
- Graph







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

WUfB DS Application | Drivers and Firmware | About | Authenticated | Sign Out

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

WUfB DS Application | Drivers and Firmware | About | Authenticated | Sign Out

Updates

Back

Recommended Updates | Other Updates

View Metadata | Approve | Suspend

Select	Update Name	Release Date	Applicable Devices	Driver Class	Approval Start Date	Suspension Date
○	INTEL - System - 1/1/1970 12:00:00 AM - 10.1.1.42	Fri Aug 24 2018	1	OtherHardware	-	-
○	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	-	-
○	INTEL - System - 10/3/2016 12:00:00 AM - 10.1.1.38	Thu Mar 15 2018	1	OtherHardware	-	-
○	INTEL - System - 7/12/2016 12:00:00 AM - 10.1.1.33	Fri Aug 24 2018	1	OtherHardware	-	-
○	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	-	-

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WUfB DS Application | Drivers and Firmware | About | Authenticated | Sign Out

Updates

Back

Recommended Updates | Other Updates

INTEL - System - 1/1/1970 12:00:00 AM - 10.1.1.42

View Metadata | Approve | Suspend

Select	Update Name	Release Date	Applicable Devices	Driver Class	Approval Start Date	Suspension Date
◉	INTEL - System - 1/1/1970 12:00:00 AM - 10.1.1.42	Fri Aug 24 2018	1	OtherHardware	-	-
○	Intel - Other ha - Intel(R) Xeon 1200 v6/7th G Intel(R) Core(T Bridge/DRAM Registers - 59					-
○	INTEL - Syster 10/3/2016 12:0 - 10.1.1.38					-
○	INTEL - System - 7/12/2016 12:00:00 AM - 10.1.1.33	Fri Aug 24 2018	1	OtherHardware	-	-

Approval Settings

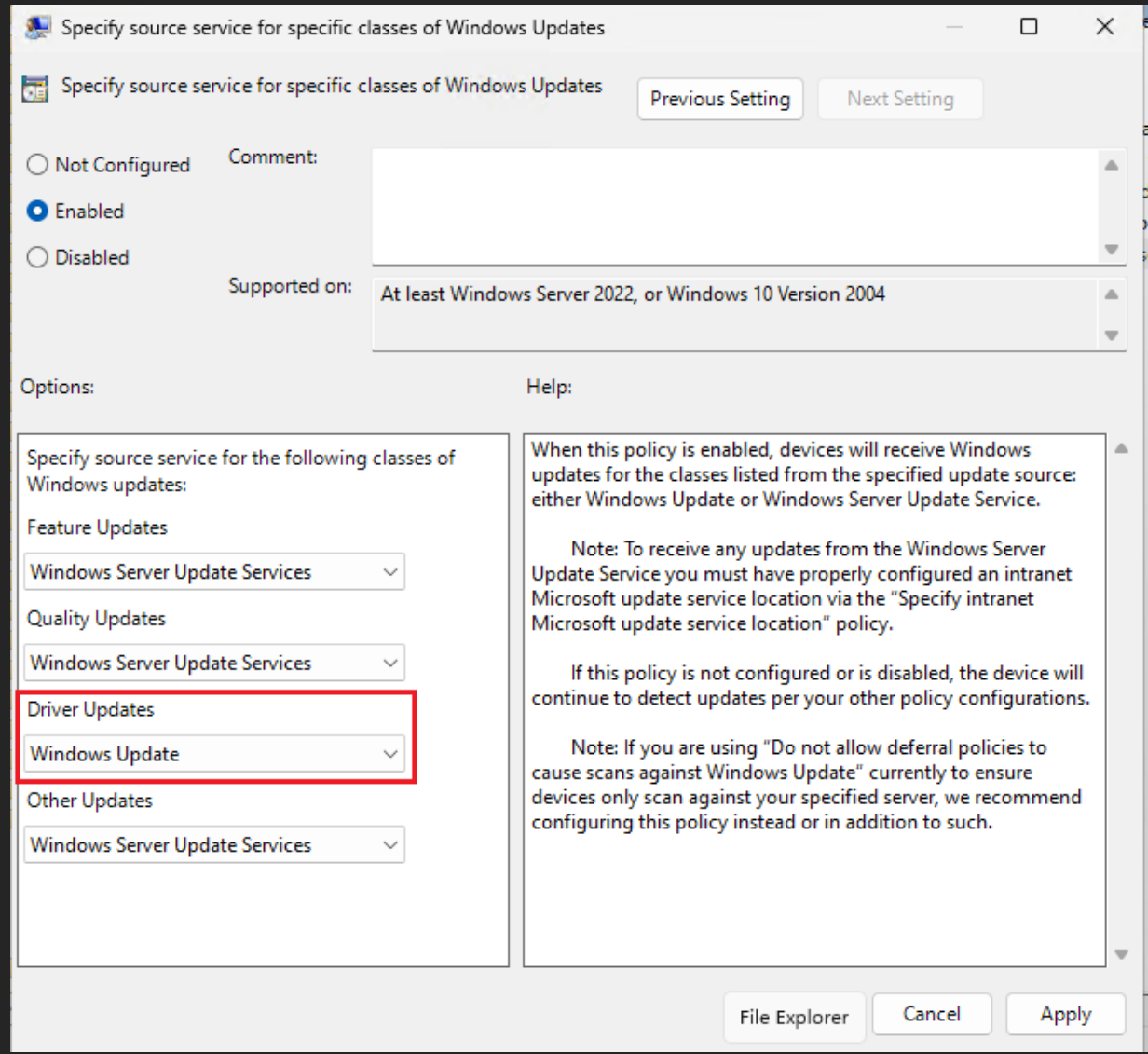
Update : INTEL - System - 1/1/1970 12:00:00 AM - 10.1.1.42

Start Date : 02/15/2023

Submit Approval

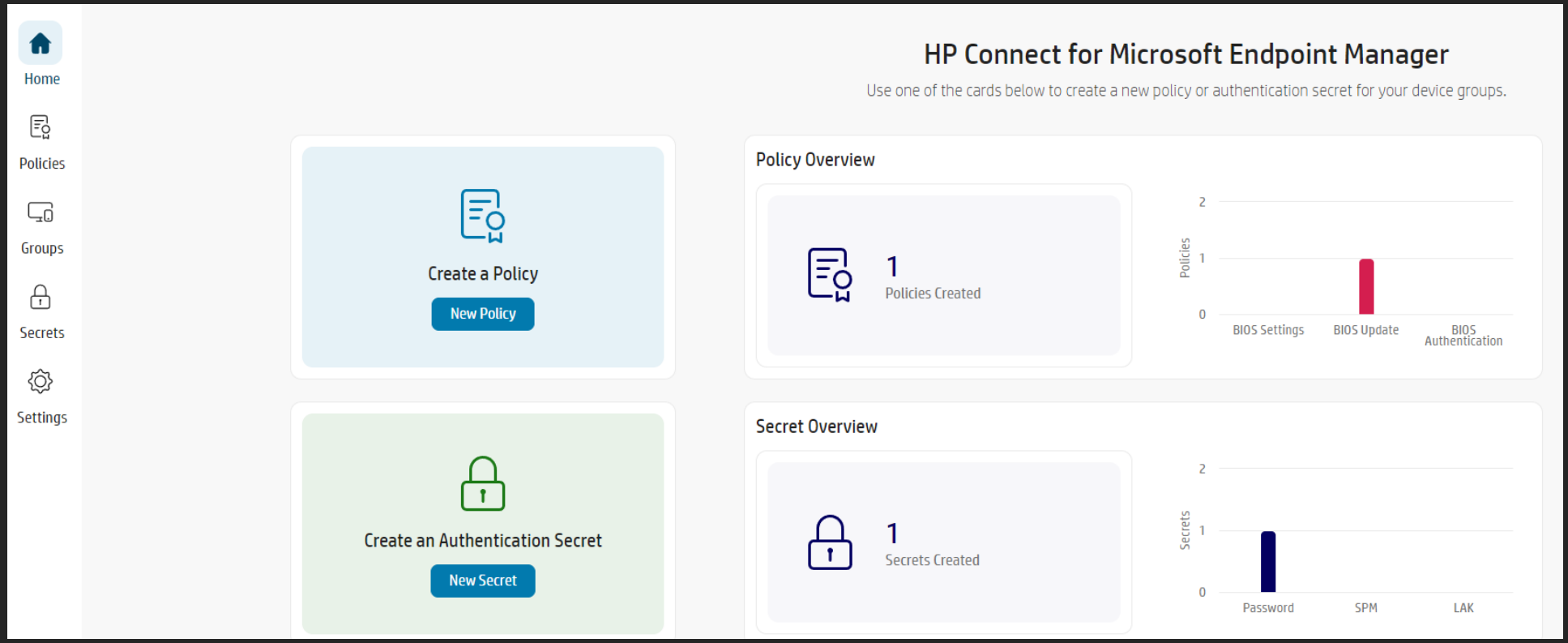
What about Hybrid/Co-managed devices?

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



HP Connect for Microsoft Endpoint Manager

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



https://admin.hp.com

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Thank you!