



Workplace Ninja

User Group Finland

Unlocking Intune Troubleshooting Secrets

THANKS FOR THE SPONSORS!



twoday



About Jörgen Nilsson

Focus

Windows 365, Intune, Endpoint Security

From Sweden

My Blog

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Certifications

MVP Security + Windows & Devices, MCT

Hobbies

Barbecue

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About Ronni Pedersen



The evolution of Troubleshooting

A walk down the memory lane...



The Evolution of Troubleshooting

Back in the day...

- Dial-up modems screeching their song of connection
- Logging into a BBS to hunt for fixes
- Downloading a single patch could take all night



How we used to do it...

Troubleshooting with ConfigMgr

- Endless log files everywhere
- Both client side and server side
- Complex? Absolutely. But you *could* see every little detail

Troubleshooting Group Policy

- gpresult - Your policy X-ray machine
- gpupdate = The “hit refresh & hope” button
- RSOP = Your policy crystal ball



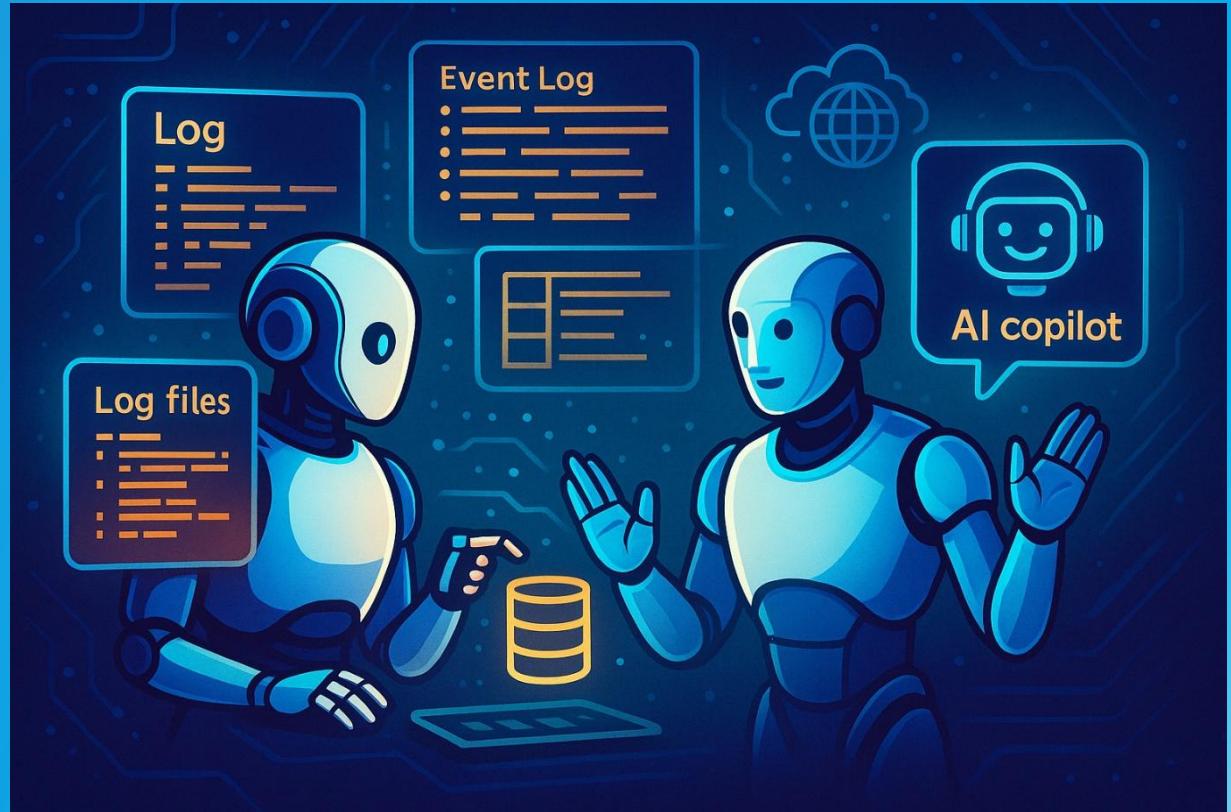
Troubleshooting in the Intune Era

The "Classic" Intune Toolkit

- Log files (MDM) → Event Viewer
- Registry values
- IME Agent = Log files 😊

Your new superpowers!

- **Microsoft Copilot** → Your AI sidekick 🤖
- **Copilot for Security** → Cyber shield & sword?
- **ChatGPT** → Your troubleshooting oracle



Intune Policies



Configuration Policies

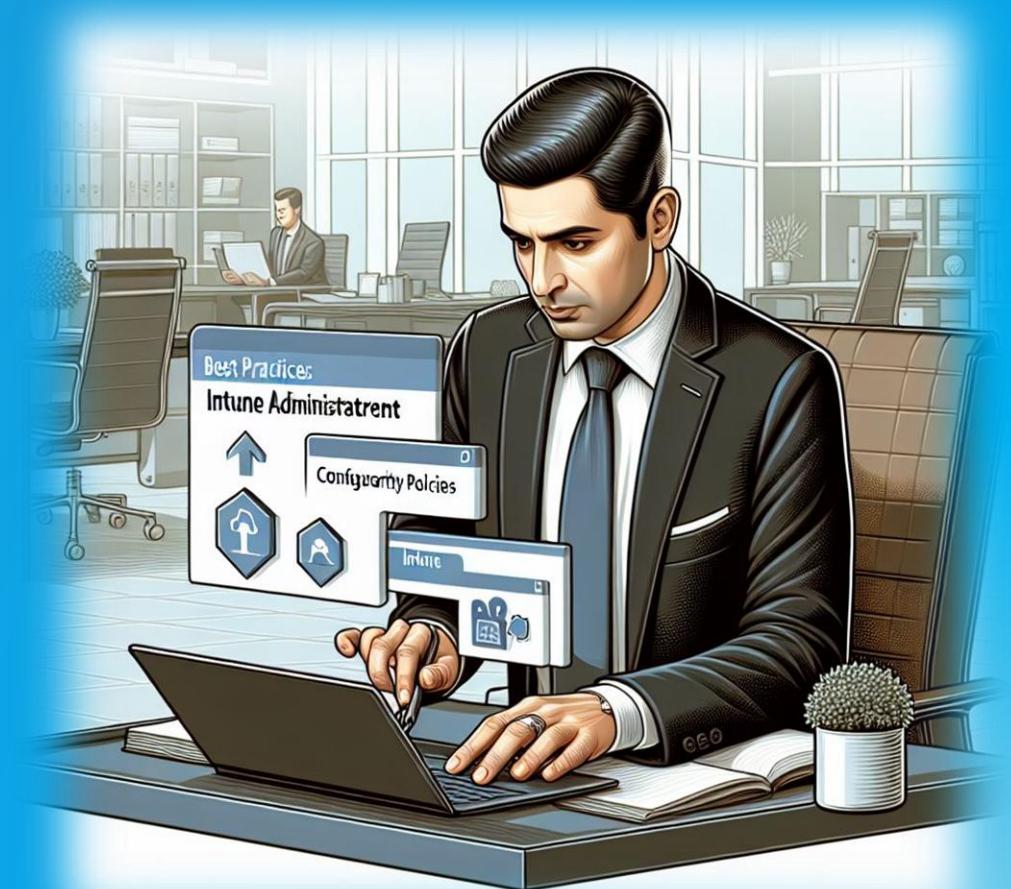
Recommended order for Windows devices

- Security Baselines (if required)
- Endpoint Security
- Settings Catalog
- Custom ADMX ingestion (3rd. Party apps)
- PowerShell Scripts

Optional:

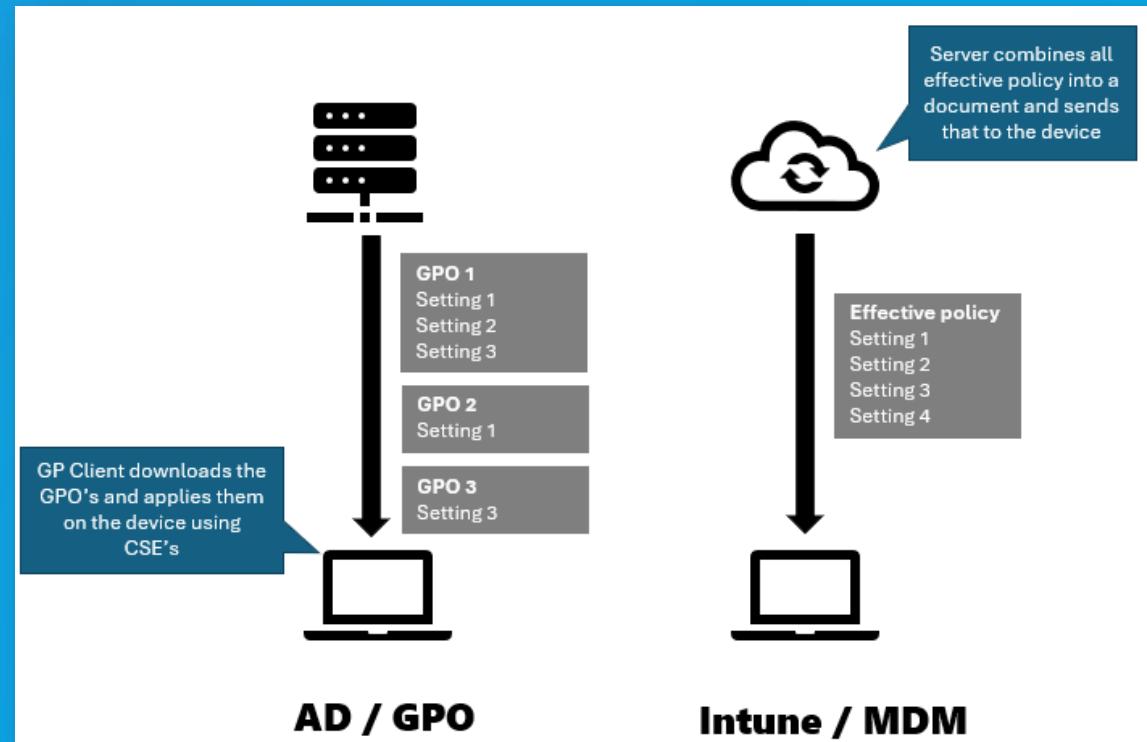
- Remediation scripts

Note: Requires a Windows Enterprise E3 license



Intune policy

- Intune policies are processed in the cloud
- Group Policies are processed on the client
 - Local Policy
 - Site
 - Domain
 - OU
- We can have different values at different levels to handle exclusions
 - That is not possible with Intune Policies

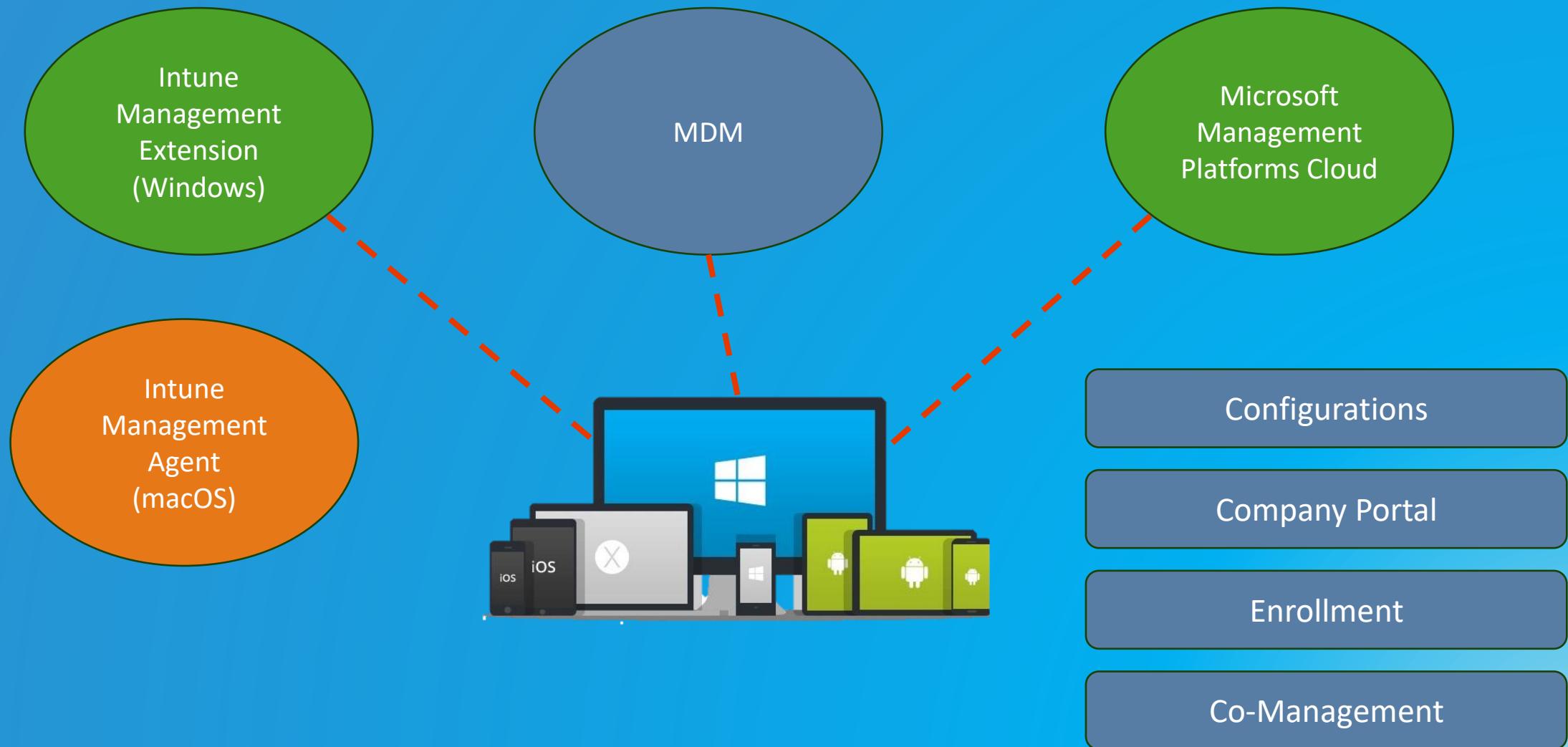


Policy/Profile Conflicts

- Intune policies are compiled server side.
- Compliance policy settings always have precedence over configuration profile settings.
- Compliance policy conflicts: The most restrictive compliance policy setting applies.
 - Conflict is shown in Intune. Manually resolve these conflicts.
- Some conflicts are shown as error depending on setting type.



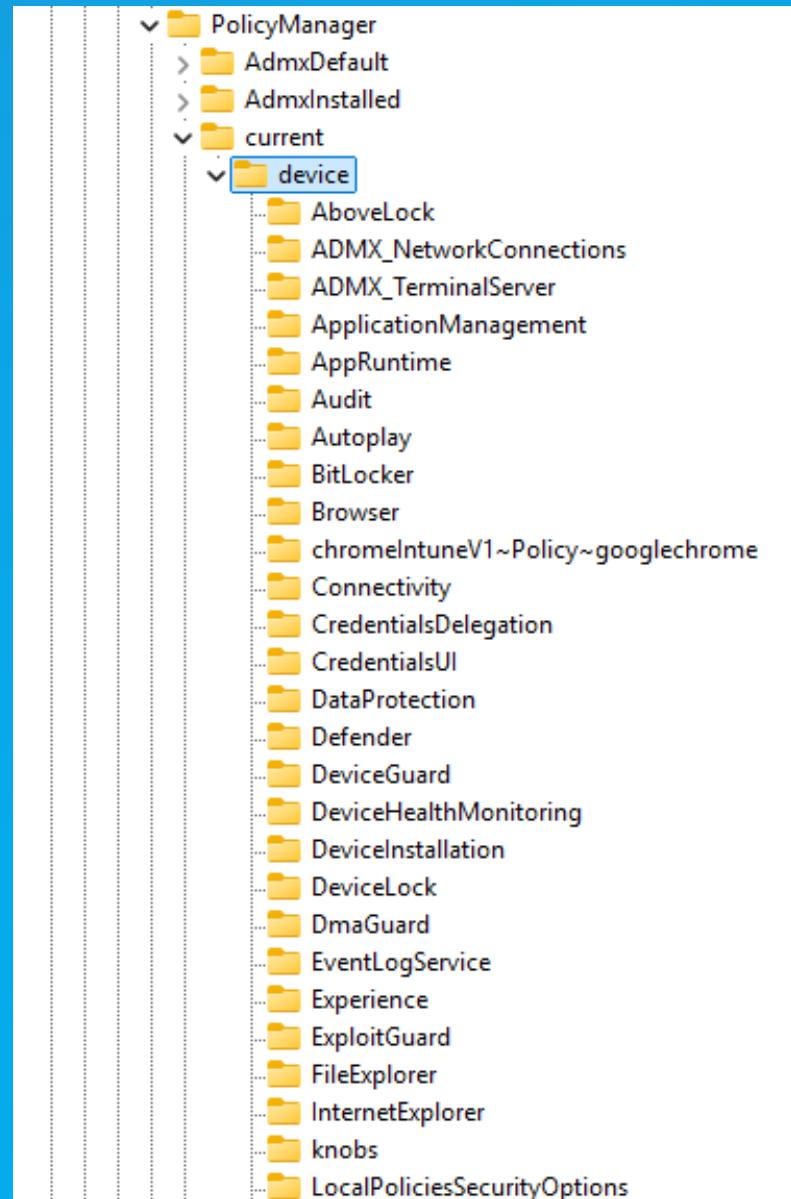
Overview



Policy Manager

- Registry location for all policies coming from MDM
- Ingested ADMX files
- Current values
- For ADMX backed polices -> Policymanager -> Policies values

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\PolicyManager



Removing a policy (Policy Tattoo)

- Does not necessarily change the value back, depends on the CSP

 **Note**

When a profile is removed or no longer assigned to a device, different things can happen, depending on the settings in the profile. The settings are based on CSPs, and each CSP can handle the profile removal differently. For example, a setting might keep the existing value, and not revert back to a default value. The behavior is controlled by each CSP in the operating system. For a list of Windows CSPs, see [configuration service provider \(CSP\) reference](#).

To change a setting to a different value, create a new profile, configure the setting to **Not configured**, and assign the profile. Once applied to the device, users should have control to change the setting to their preferred value.

When configuring these settings, we suggest deploying to a pilot group. For more Intune rollout advice, see [create a rollout plan](#).

<https://learn.microsoft.com/en-us/mem/intune/configuration/device-profile-assign>

Timing when removing a user policy

- Removing a user from an Entra ID group with a policy assigned to it.

- A profile applies to a user group. Later, a user is removed from the group. For the settings to be removed from that user, it can take up to 7 hours or more for:
 - The profile to be removed from the policy assignment in the Intune admin center
 - The device to sync with the Intune object using the platform-specific policy refresh cycle (in this article)

<https://learn.microsoft.com/en-us/mem/intune/configuration/device-profile-troubleshoot>

Troubleshooting Options



Use the built-in Troubleshoot pane

The image shows two screenshots of the Microsoft Endpoint Manager admin center. The left screenshot is a sidebar menu with various options like Home, Dashboard, All services, Favorites, Devices, Apps, Endpoint security, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The Troubleshooting + support option is highlighted with a red border. The right screenshot shows the 'Troubleshooting + support' page for a user named 'IW Worker'. The user's display name is 'IW Worker', and they have an 'Intune license' (indicated by a green checkmark). Below this, there are links for 'Guided scenarios (preview)', 'Troubleshoot' (which is also highlighted with a red border), and 'Help and support'. On the right side, there is a 'Assignments' section for 'Client apps' with a table showing assignments for Microsoft Authenticator, Microsoft Edge, Microsoft Outlook, and Microsoft Edge. The table includes columns for Assignment (Included or Excluded), Name, OS, and Type. At the bottom right of the main content area, there is a URL: aka.ms/Intunetroubleshooting.

Microsoft Endpoint Manager admin center

Home > Troubleshooting + support

Troubleshooting + support | Troubleshoot

Display name: IW Worker

Intune license

Search (Ctrl+ /)

Guided scenarios (preview)

Troubleshoot

Help and support

Principal name: IWWorker@contoso.com

Email: IWWorker@contoso.com

Group memberships (3) Show all

Assignments

Assignment	Name	OS	Type
Included	Microsoft Authenticator	iOS/iPadOS	Available
Included	Microsoft Edge	iOS/iPadOS	Available
Excluded	Microsoft Outlook	Android device administrat...	Required
Included	Microsoft Edge	macOS	Required

Client apps

Assignment Name OS Type

Included Microsoft Authenticator iOS/iPadOS Available

Included Microsoft Edge iOS/iPadOS Available

Excluded Microsoft Outlook Android device administrat... Required

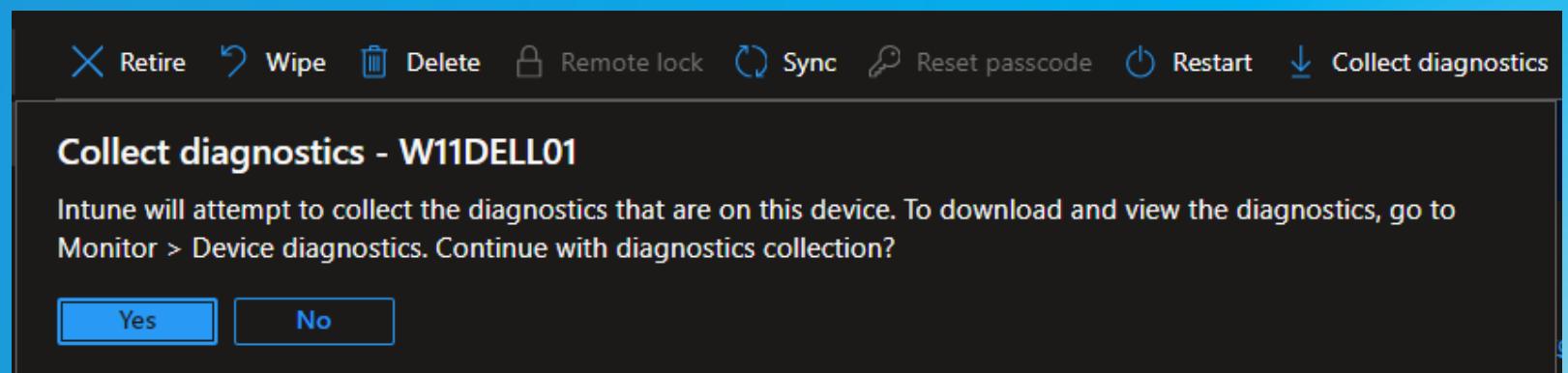
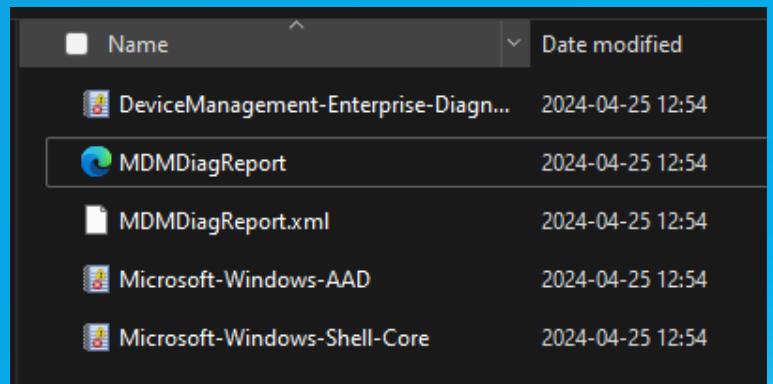
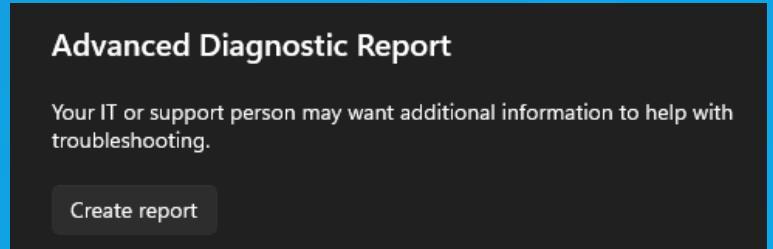
Included Microsoft Edge macOS Required

URL: aka.ms/Intunetroubleshooting

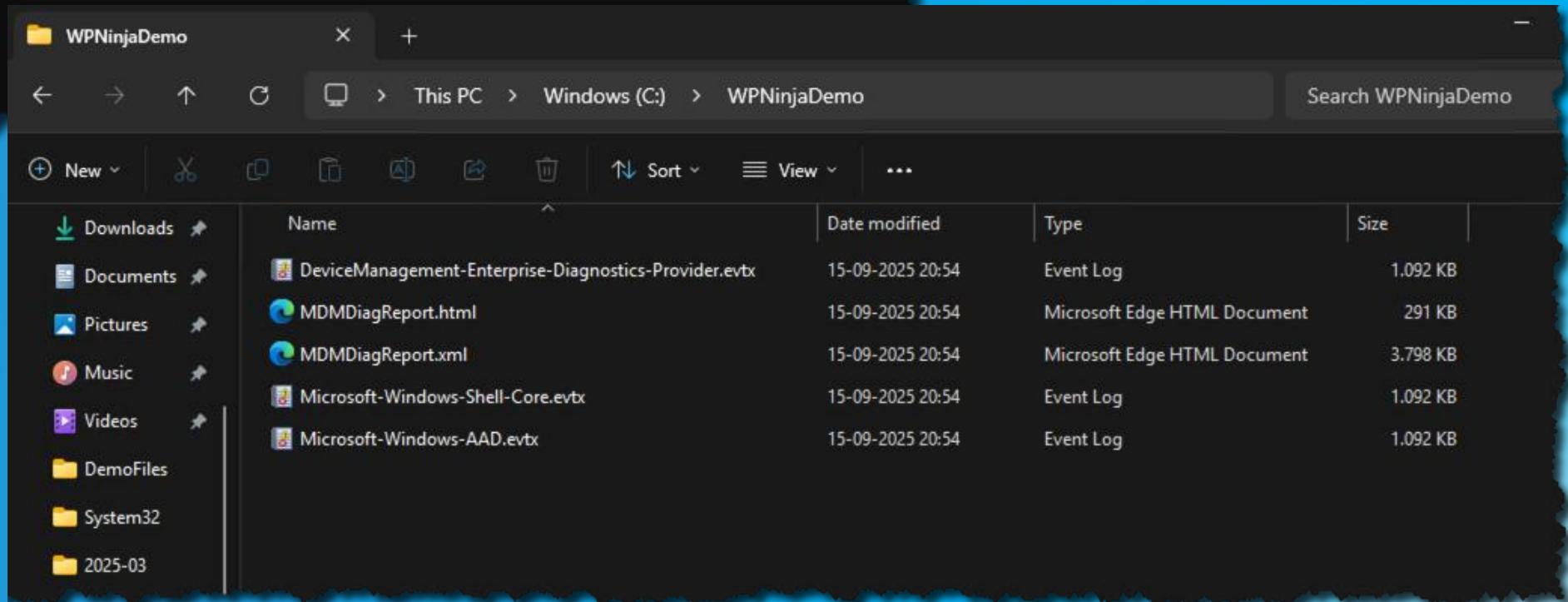
Troubleshooting

- MDMDiagnosticsTool
 - Settings -> Access work or school
 - **MdmDiagnosticsTool.exe -out c:\temp**
- Collect log files using Intune

<https://learn.microsoft.com/en-us/windows/client-management/mdm-collect-logs>



MDM Diagnostics Tool (Local)

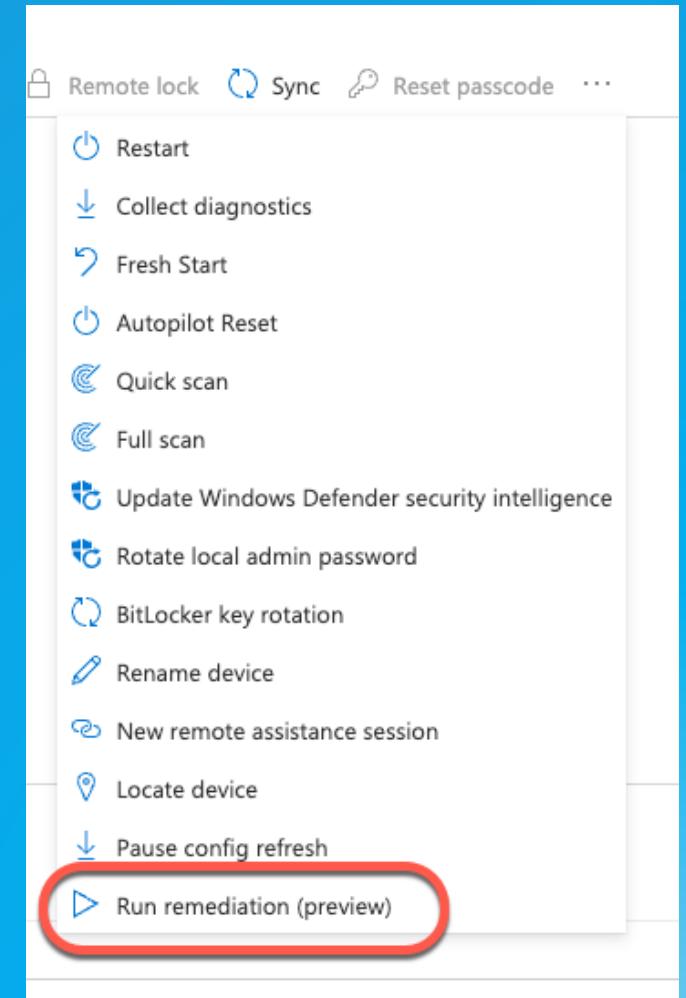
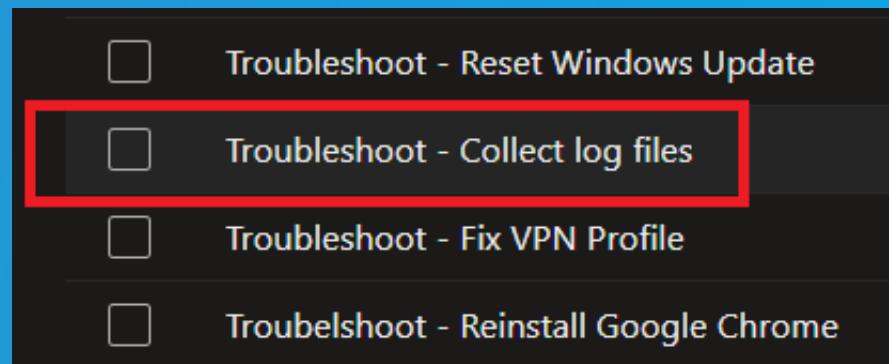


A screenshot of a Windows operating system interface. At the top, there is a taskbar with two open windows: "Command Prompt" and "Windows PowerShell". The "Windows PowerShell" window is active and shows the command "MdmDiagnosticsTool.exe -out C:\WPNinjaDemo" being run, followed by the message "Report location folder C:\WPNinjaDemo". Below the taskbar, a File Explorer window is open, displaying the contents of a folder named "WPNinjaDemo" located at "C:\Windows (C:) > WPNinjaDemo". The file list includes:

Name	Date modified	Type	Size
DeviceManagement-Enterprise-Diagnostics-Provider.evtx	15-09-2025 20:54	Event Log	1.092 KB
MDMDiagReport.html	15-09-2025 20:54	Microsoft Edge HTML Document	291 KB
MDMDiagReport.xml	15-09-2025 20:54	Microsoft Edge HTML Document	3.798 KB
Microsoft-Windows-Shell-Core.evtx	15-09-2025 20:54	Event Log	1.092 KB
Microsoft-Windows-AAD.evtx	15-09-2025 20:54	Event Log	1.092 KB

Build your own log collection tool

- Why? Builtin too slow, too much data
- Remediation script send to Azure Storage, SharePoint, Teams etc.
- Fast! Runs in a couple of minutes.



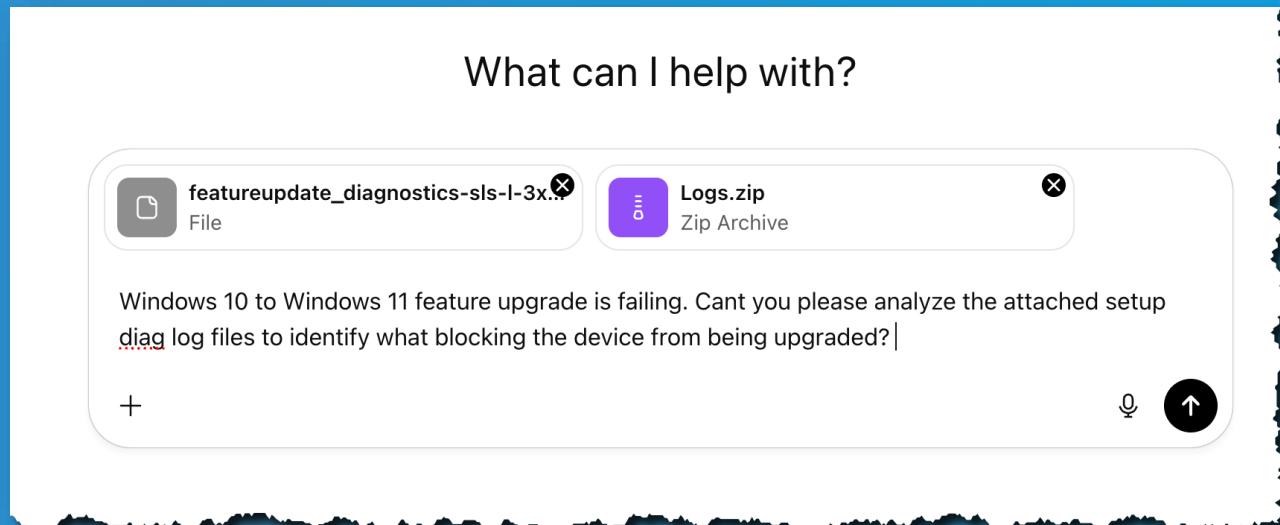
Troubleshooting in the AI Era...



Example #1: Feature Upgrade Failure

Scenario (Example)

- Feature upgrade is failing
- Collect log files...
- Analyze the logfiles... (Copilot, ChatGTP, etc.)



Microsoft 365 Copilot



Copilot ⓘ

I've analyzed the `setupact.log` file you provided, and here's a clear summary of why the Windows 10 → Windows 11 feature upgrade is failing:

Primary Blocking Issue

- Insufficient disk space on the system drive (C:)
 - Available: ~800 MB to 1.4 GB
 - Required: 10–20 GB (depending on upgrade phase)
- Error Code: 0xC190020E (MOUPG – Insufficient disk space)
- Attempts to free space via silent cleanup and compression were unsuccessful.

Additional Observations

- External drive: Checked but not used for scratch space.
- Recovery image: Missing or not enough space to create a new WinRE image.
- Snapshot policy: Prevented creating upgrade snapshots due to low space.
- BitLocker: Enabled but handled gracefully (not the cause of failure).



ChatGPT



Short answer: it's a disk-space hard block.

What I found in your SetupDiag:

- Error: 0xC190020E – 0x4001E (not enough free space on the system drive). featureupdate_diagnostics-sls-l...
- Required free space: 19,069 MB (~19 GB) on the system drive before the upgrade can proceed. featureupdate_diagnostics-sls-l...
- Device: Dell Latitude 7420, Win10 22H2 (19045) → target 22H2 / 22621.5768. featureupdate_diagnostics-sls-l...

How to fix (do these on the system drive, usually C:)

1. Free 20–25 GB to be safe, then retry the upgrade.

Fast wins:

- Empty Recycle Bin and %TEMP% (`Win + R` → `%temp%` → delete contents).
- Run **Storage Sense**: Settings → System → Storage → Cleanup recommendations.
- Clear Windows Update cache:
 1. Stop service: open elevated CMD → `net stop wuauserv` and `net stop bits`
 2. Delete contents of `C:\Windows\SoftwareDistribution\Download`
 3. Start services: `net start wuauserv` and `net start bits`
- Uninstall large/unused apps & move big local folders (Videos, VMs, ISO files) to another drive temporarily.
- Optional (saves several GB): disable hibernation (elevated CMD) → `powercfg -h off` (re-enable later with `powercfg -h on`).

2. Let Setup use external storage (if freeing space on C: is hard): plug in a USB drive (≥ 16 –32 GB), then re-run the upgrade. Windows Setup can offload temporary files to it (your logs show no external drive was available during the attempt).
3. Retry the feature update after freeing space. If you use an in-place upgrade package/ISO, run `Setup.exe` from Windows and choose *Keep personal files and apps*.

If you want, share the *current* free space on C: and I'll tailor the quickest mix of cleanups to hit the target. If the upgrade still fails after you've got >20 GB free, we can dig into the other logs for secondary issues—but right now the blocker is clearly the space hard block. featureupdate_diagnostics-sls-l...

Example #2: SCCM Task Sequence Failure

Scenario

- 3 Apps are not installed during OS provisioning

113 log files
70 MB

TST0846BE.zip
Zip-arkiv

Microsoft 365 Apps a not being installed doing the the SCCM Task Sequence. Can you analyse the log files and tell my why?

Thought for 10m 17s >

Short answer: the Office step never truly completed during the task sequence. The TS *did* kick off the Microsoft 365 Apps install, waited for status multiple times, then considered it “successful” and immediately rebooted—while Office hadn’t actually finished installing. Adobe Reader and VLC genuinely failed in the same window.

ADMX



ADMX files

- Supports upload of ADMX files
- However updating them is not that easy...

Upload Status ...

✖ The upload of this ADMX file has failed. To continue, you will need to delete this upload, address the action in the error details and try again.

ADMX file	firefox.admx
State	failed
Last modified date	2025-02-05
Error Details	Definitions from file still in use in configurations: Windows 1.0 Mozilla Firefox

Use remediation scripts instead

Compliance policies



Compliance policies

Builtin checks

- Has a compliance policy assigned
- Is active
- A device in error state will become non-compliant after 7 days
- Enrolled user exists

Device status

ⓘ Can't access company resources

This device does not meet Onevinn compliance and security policies. You need to make some changes to this device so that you can access company resources.

Device must have firewall enabled.

[Less ^](#)

This device must have the firewall enabled. Contact your IT administrator for help.

Compliance setting in error state for more than 7 days.

[Less ^](#)

Intune couldn't determine your device's compliance with one or more settings for at least 7 days. Sometimes these errors are resolved by restarting your device and selecting Check compliance. If you do this and get this message again, contact your organization's support.

[Sync](#)

[Check access](#)

Setting

State

State details

Firewall

✖ Error

2016345612(Syncml(500): The recipient encountered an unexpected condition which prevented it from fulfilling the request)

Troubleshooting custom compliance scripts

- Are executed by the Intune Management extensions agent which reports back the result to intune.
- Checking for new or updated PowerShell scripts every **eight hours**.
- Running the discovery scripts every eight hours.
- Running scripts when a user selects Check Compliance on the device. However, there is no check for new or updated scripts when Check Compliance is run. As running the script is done by the IME channel.

It is not possible to push notifications to a device to enable custom compliance to run on demand.

Policies needing extra attention!

- Credential guard, Bitlocker .. – Intune sets the Configured value
- Need to make sure it is running
 - Defender for Endpoint
 - Remediation

Kernel DMA Protection	On
Virtualisation-based security	Running
Virtualisation-based security required security properties	Base Virtualisation Support, Secure Boot
Virtualisation-based security available security properties	Base Virtualisation Support, Secure Boot, DMA Protection, Secure Memory Overwrite, UEFI Code Readonly
Virtualisation-based security services configured	Credential Guard, Hypervisor enforced Code Integrity, Secure Launch
Virtualisation-based security services running	Hypervisor enforced Code Integrity, Secure Launch
Windows Defender Application Control policy	Enforced

<https://ccmexec.com/2024/03/intune-custom-compliance-check-that-credential-guard-is-running/>

Edge Policies



Microsoft Edge policies

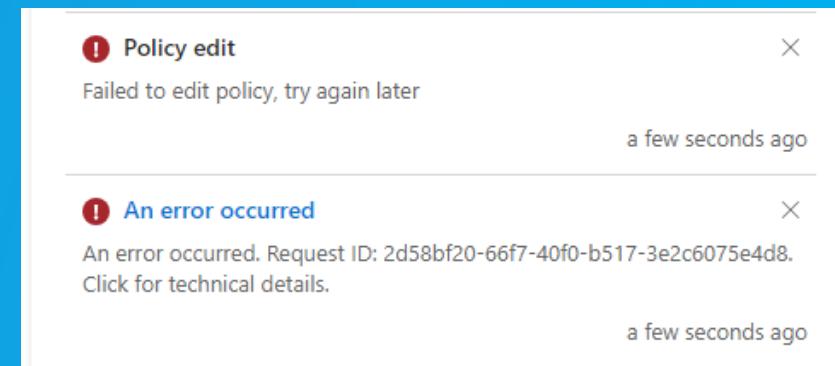
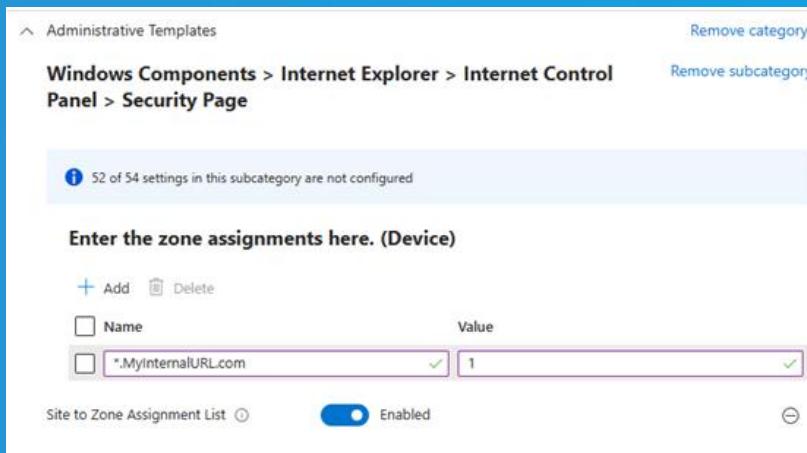
- Microsoft Edge management service
- Enrollment token or user targeting
- Default: MDM/GPO Windows over Edge Policies
 - EdgeManagementPolicyOverridesPlatformPolicy - CSP
- Multiple policies = highest priority wins
- Edge://Policies

① **Note**

Any policies you apply with Microsoft Edge management service will be overridden if they conflict with an existing Group Policy Object (GPO) or Mobile Device Management (MDM) policy that's set on the device.

Windows Security Zones

- Security Zones
 - Local Machine
 - Local Intranet
 - Trusted
 - Internet
 - Restricted Sites.
- Someone at Microsoft "forgot" to document that this policy is limited to 200 entries



Windows Update

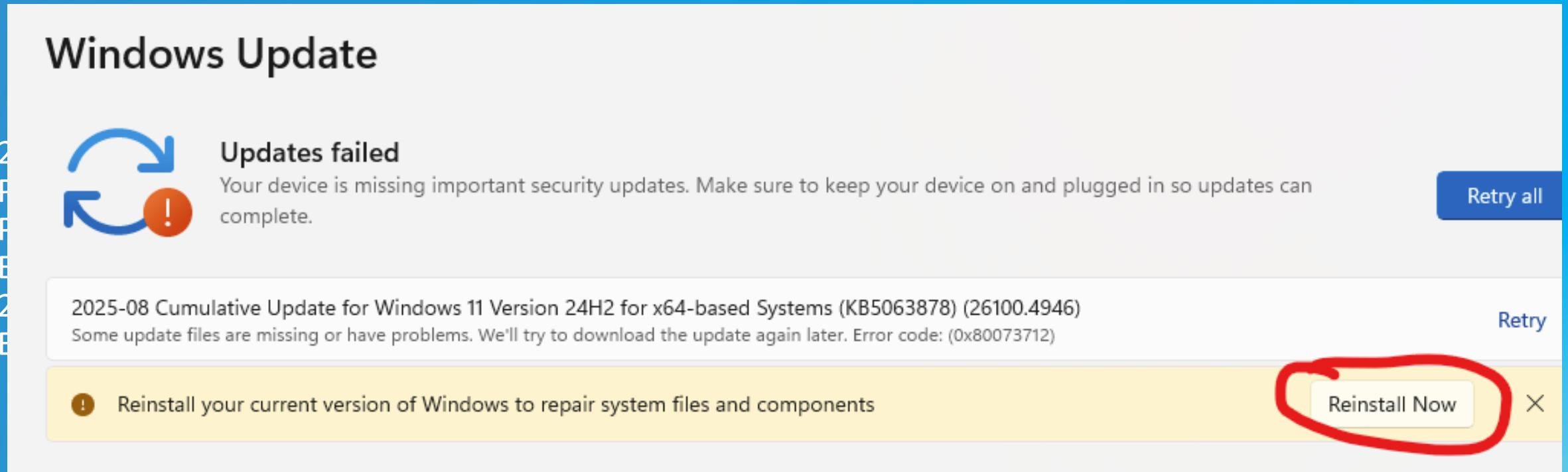


Quality update errors

- We have seen an increase in Quality updates errors during this spring.

2
P
R
E
2
B

Windows Update



The screenshot shows the Windows Update interface. At the top, there's a large icon of a blue circular arrow with a red exclamation mark inside a red circle. To its right, the text "Updates failed" is displayed in bold. Below this, a message reads: "Your device is missing important security updates. Make sure to keep your device on and plugged in so updates can complete." To the right of this message is a blue button labeled "Retry all". Further down, a specific update is listed: "2025-08 Cumulative Update for Windows 11 Version 24H2 for x64-based Systems (KB5063878) (26100.4946)". Below the update name, it says "Some update files are missing or have problems. We'll try to download the update again later. Error code: (0x80073712)". To the right of this text is another "Retry" button. At the bottom of the window, there's a yellow bar containing the text "Reinstall your current version of Windows to repair system files and components" next to an exclamation mark icon. On the far right of this bar is a white button with a blue border labeled "Reinstall Now". This "Reinstall Now" button is circled in red.

Updates failed

Your device is missing important security updates. Make sure to keep your device on and plugged in so updates can complete.

Retry all

2025-08 Cumulative Update for Windows 11 Version 24H2 for x64-based Systems (KB5063878) (26100.4946)

Some update files are missing or have problems. We'll try to download the update again later. Error code: (0x80073712)

Retry

Reinstall your current version of Windows to repair system files and components

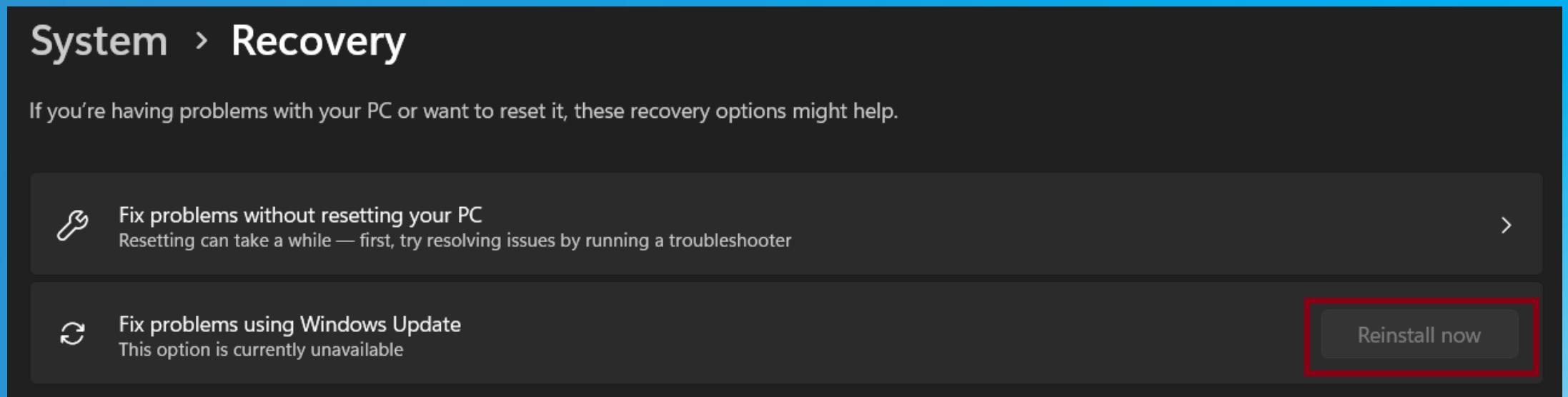
Reinstall Now

X

Quality updates

- Solution: in-place upgrade to the same version of Windows 11!

1. Win32app with the Windows 11 installation files
2. setup.exe /auto upgrade /eula accept



[Fix issues by reinstalling the current version of Windows - Microsoft Support](#)

Autopilot

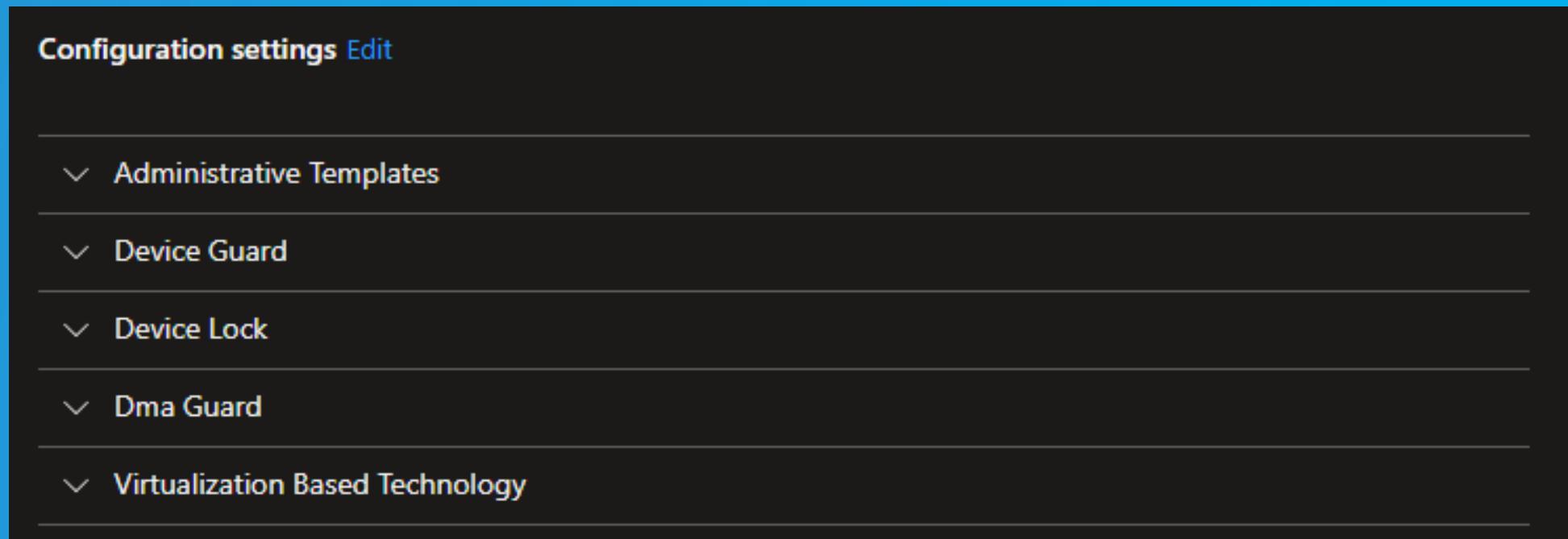


Policies that causes a reboot during Autopilot

Most common issue: Security Baselines (Device target)

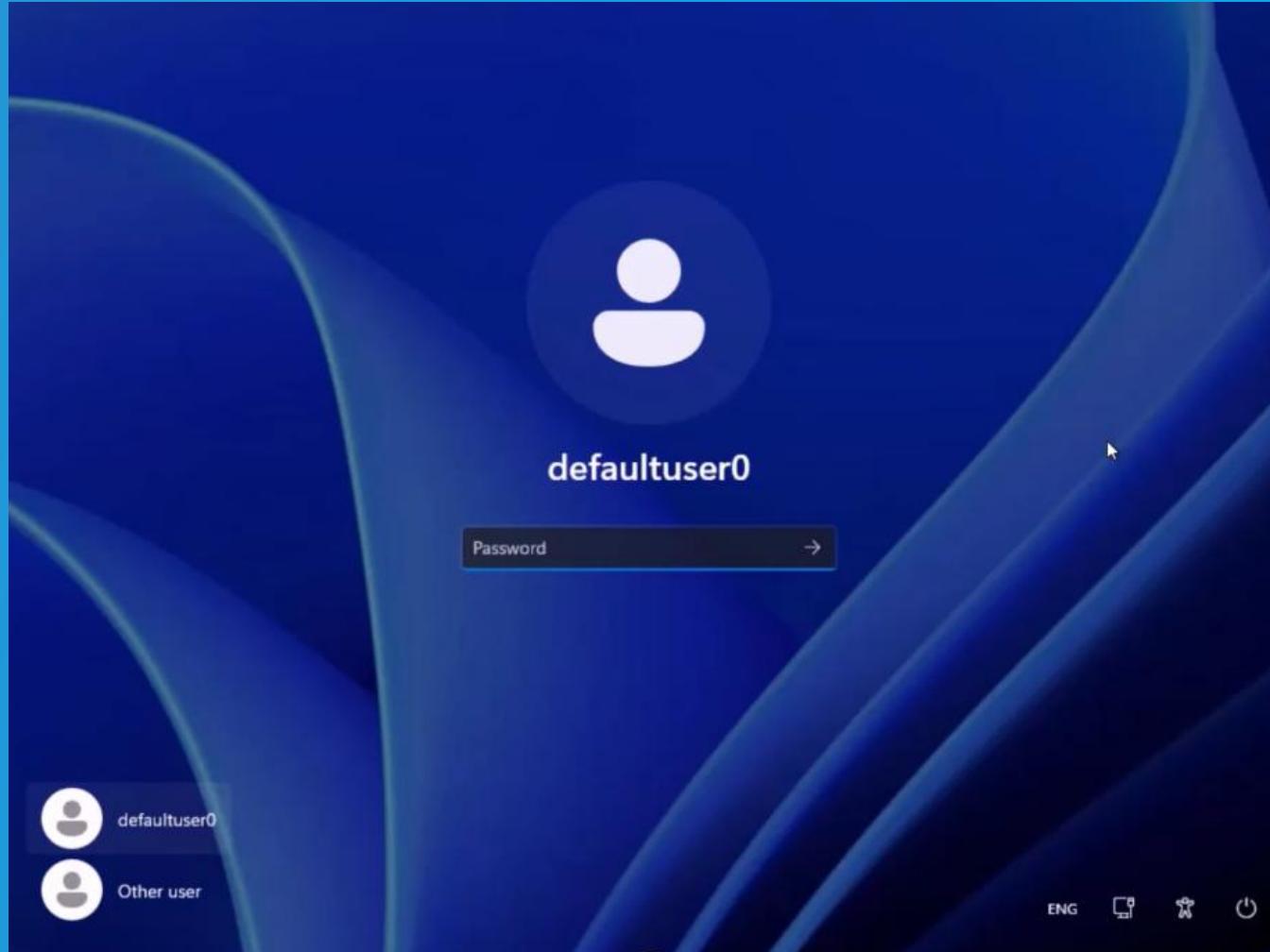
Solution: Target them to users

- Device Lock
- DMA Guard
- Credential Guard
- VBS
- Lock Screen



Breaking Autopilot

- MSS: (AutoAdminLogon) Enable Automatic Logon



Event ID 2800

- Always logged when a policy is applied that breaks the Autopilot experience both for user and device!

Admin Number of events: 1 239					
Filtered: Log: Microsoft-Windows-DeviceManagement-Enterprise-Diagnostics-Provider/Admin; Source: ; Event ID: 2800. Number of events: 6					
Level	Date and Time	Source	Event ID	Task Category	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:47:15	DeviceManagement...	2800	None	
Information	2025-05-21 09:04:52	DeviceManagement...	2800	None	

Reboot without eventid 2800

These will cause a reboot without trigger 2800 event ID

- Interactive logon:
 - Message title for users attempting to log on
 - Message text for users attempting to log on
 - Require Windows Hello for Business or smart card
 - Solution: Disable first sign-in animation or assign policy to users
- User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode - Prompt for credentials on the secure desktop
- Preferred Aad Tenant Domain Name
- Block Non Admin User Install

Network



SSL traffic inspection = BAD

- Must exclude necessary endpoints
- Example on results

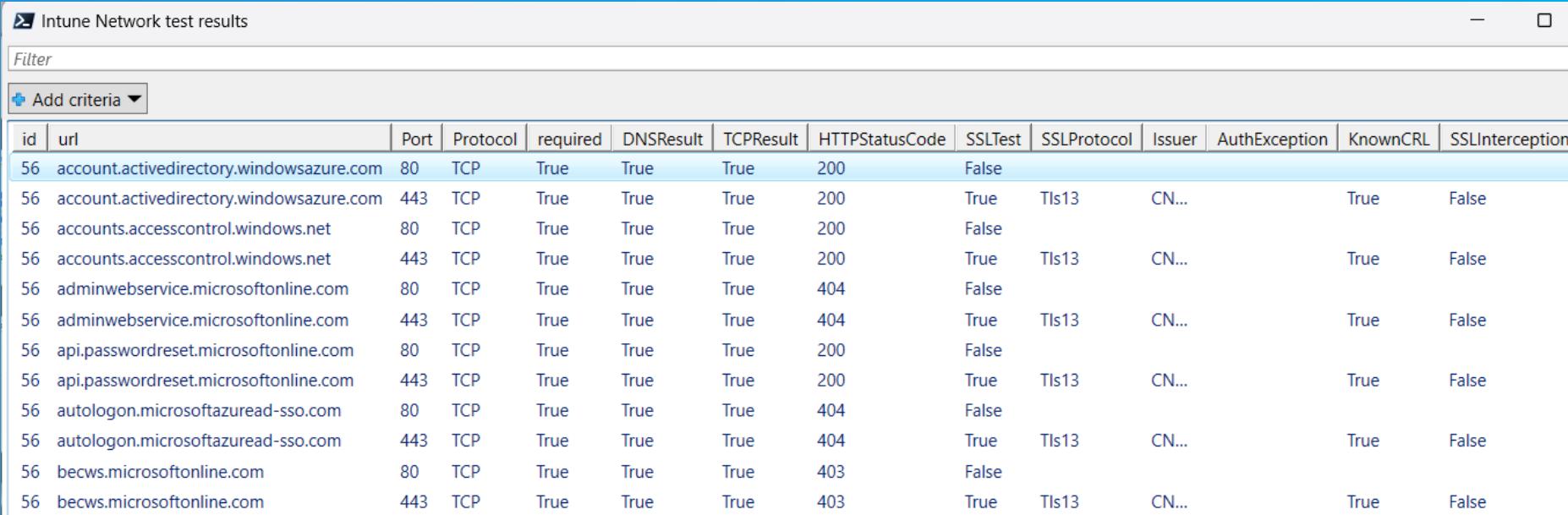
⚠ Note

SSL traffic inspection is not supported for 'manage.microsoft.com', 'dm.microsoft.com', or the [Device Health Attestation \(DHA\) endpoints listed in the compliance section](#).

Device name	Managed by ↓	Ownership	Compliance	OS ↴	OS version ↴
5f256f7b-9e37-4824-b5...	Co-managed	Unknown	See ConfigMgr	Windows	0.0.0.0
7ededef06-8c41-4d91-90...	Co-managed	Unknown	See ConfigMgr	Windows	0.0.0.0

Intune Network Requirements

- By Martin Hinken (more comprehensive than MS..)
- Test network connectivity required by Intune, Autopilot, Device registration, TPM and more..
- Comprehensive tests



The screenshot shows a browser window titled "Intune Network test results". At the top left is a "Filter" input field and a "Add criteria" button. The main area is a table with the following data:

id	url	Port	Protocol	required	DNSResult	TCPResult	HTTPStatusCode	SSLTest	SSLProtocol	Issuer	AuthException	KnownCRL	SSLInterception
56	account.activedirectory.windowsazure.com	80	TCP	True	True	True	200	False					
56	account.activedirectory.windowsazure.com	443	TCP	True	True	True	200	True	Tls13	CN...	True		False
56	accounts.accesscontrol.windows.net	80	TCP	True	True	True	200	False					
56	accounts.accesscontrol.windows.net	443	TCP	True	True	True	200	True	Tls13	CN...	True		False
56	adminwebservice.microsoftonline.com	80	TCP	True	True	True	404	False					
56	adminwebservice.microsoftonline.com	443	TCP	True	True	True	404	True	Tls13	CN...	True		False
56	api.passwordreset.microsoftonline.com	80	TCP	True	True	True	200	False					
56	api.passwordreset.microsoftonline.com	443	TCP	True	True	True	200	True	Tls13	CN...	True		False
56	autologon.microsoftazuread-sso.com	80	TCP	True	True	True	404	False					
56	autologon.microsoftazuread-sso.com	443	TCP	True	True	True	404	True	Tls13	CN...	True		False
56	becws.microsoftonline.com	80	TCP	True	True	True	403	False					
56	becws.microsoftonline.com	443	TCP	True	True	True	403	True	Tls13	CN...	True		False

Applications



IME Log files

- C:\ProgramData\Microsoft\IntuneManagementExtension\Logs
 - AgentExecution.log – Log file for PowerShell detection methods
 - ClientHealth.log – Log file for IME health and remediation actions
 - DeviceHealthMonitoring – Log file for Appcrash, app events
 - HealthScripts – Log file for remediation scripts
 - IntuneManagementExtension.log – IME related events, sync
 - AppWorkload.log – App related events
 - Sensor.log – Log file for subscribed events.
 - AppActionProcessor.log – Log file for AppActions
 - Win32AppInventory.log – Log file for inventory
 - ClientCertCheck.log - Tracks device client certificate checks

Content Cache location:

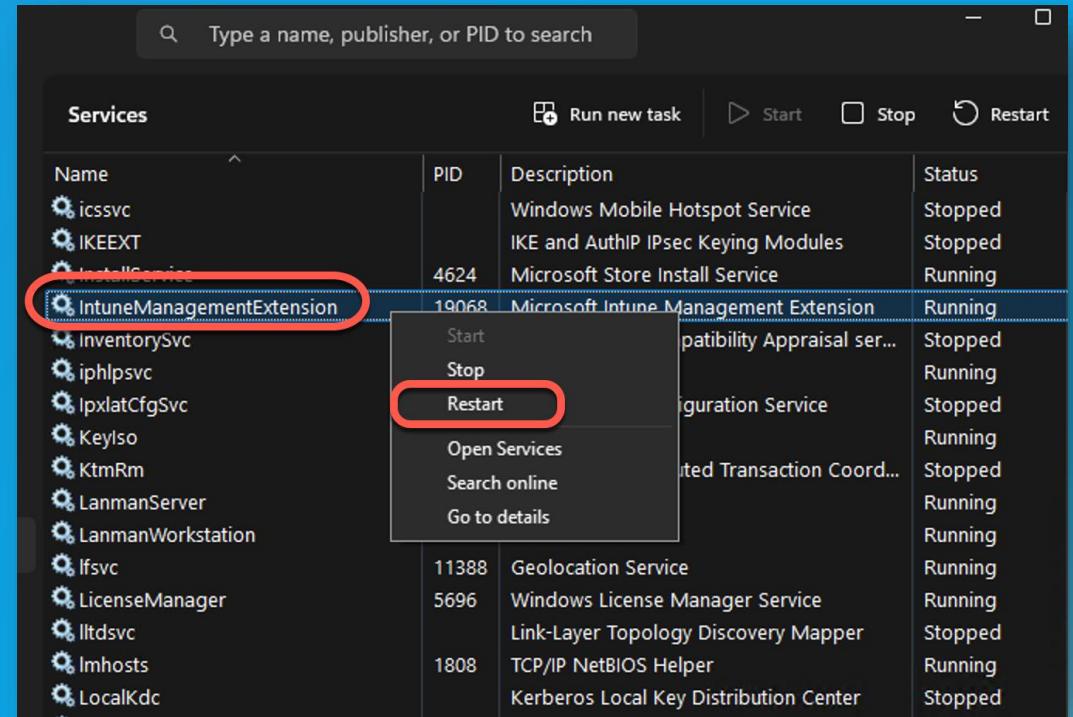
- Win32Apps - C:\Program Files (x86)\Microsoft Intune Management Extension\Content\Incoming\
- Remediation scripts - C:\Windows\IMECache\HealthScripts

Global Reevaluation Schedule (GRS)

- **Initial Installation Attempt:**
 - Intune deploys a Win32 app and the IME-agent executes the installation command.
- **Failure:**
 - If the app fails to install, the IME will retry it up to **3** times.
- **GRS Activation:**
 - If all 3 attempts fail, the app is placed in the **Global Reevaluation Schedule (GRS)**.
- **24-Hour Wait:**
 - The GRS prevent the IME from endlessly retrying a known-to-fail app.
 - It will wait for 24 hours from the last failed attempt before considering a retry.
- **Scheduled Reevaluation:**
 - The system checks for GRS expiration to determine when to attempt the installation again. After the 24-hours.
- **Repeat:**
 - The process then repeats, with another set of 3 installation attempts.

IME Sync

- IME Sync
 - Checks with Intune services every 8 hours.
 - This check-in process is independent of the MDM check-in.
- Manually initiate an IME check-in
 - **Company Portal > Settings > Sync.**
 - Initiates an **MDM check-in and IME check-in.**
- Alternative
 - Restart the service **IntuneManagementExtension**
 - The restart will initiating a check-in with Intune



Note: The **Sync** actions from either the **Settings** app or **Devices** in Microsoft Intune admin center initiate an MDM check-in but don't force an IME check-in.

Registry

Registry Editor

File Edit View Favorites Help

Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\IntuneManagementExtension

Name Type Data

(Default) REG_SZ (value not set)

SideCarPolicies

Win32Apps

00000000-0000-0000-0000-000000000000

404b632d-14c5-45d4-b8c8-ff3fff8dc561

2043db9d-f484-4b49-9709-fd79f0555a78_1

2043db9d-f484-4b49-9709-fd79f0555a78_2

238ec4cc-5901-4fa9-9edc-bfd70945d743_1

2752d899-9171-4243-9483-16fcbb2280dc9_1

50d65d25-45b4-44e7-898e-cf992e19083b_1

https://intune.microsoft.com/#view/Microsoft_Intune_Apps/SettingsMenu/~/appld/2043db9d-f484-4b49-9709-fd79f0555a78

Intune admin center

Home > Apps | Windows > Windows | Windows apps > Remote Help

Remote Help | Properties

Client Apps

Search

Overview App information Edit

Manage Name Description

Properties Remote Help

RemoteHelpInstaller.exe

Monitor

Device install status Publisher Microsoft

User install status App Version 3.8.0.6

Dependency viewer Category --

Supersedence viewer Show this as a featured app in the Company Portal No

Information URL --

Intune Logreader – Petri Paavola

- Analyzes Microsoft Intune Management Extension (IME) log(s)
- Timeline of events
- Capable LogViewer
- HTML output
- -Online option will get real names for Remediations and PowerShell scripts.

Get-IntuneManagementExtensionDiagnostics ver 3.0						Report run: 2024-11-12 19:19	Computer Name: DESKTOP-9SECHR9	Download Report tool from GitHub			
						Author: Petri Paavola - Microsoft MVP					
<input checked="" type="checkbox"/> Win32App		Status	Type	Intent				Seconds	LogEntry		
<input type="checkbox"/>	WinGetApp	All	Detailed (102)						Line 879		
<input type="checkbox"/>	Powershell script	Info (26)							Line 930		
<input type="checkbox"/>	Remediation	Not Detected (11)							Line 1334		
Search... X Reset filters											
Date	Status	Type	Intent	Detail				Seconds	LogEntry		
2024-11-11 09:12:09.0266596	Detected	Win32App	Available Install	Adobe Acrobat Reader DC MUI 24.004.20243 (x64)					Line 1369		
2024-11-11 09:12:11.2795597	Detected	Win32App	Available Install	Notepad++ 8.7.1 (x64)					Line 1452		
2024-11-11 10:47:18.7684273	Detected	Win32App	Required Install	Corporate teams backgrounds					Line 1455		
2024-11-11 10:47:18.7964450	Detected	Win32App	Required Install	Universal Print Printer Provisioning					Line 1458		
2024-11-11 10:47:18.8689703	Detected	Win32App	Required Install	Remote Help 10.3.10130.1000					Line 1509		
2024-11-11 10:47:18.8709698	Detected	Win32App	Required Install	Remote Help 10.3.10130.1000					Line 1558		
2024-11-11 10:47:18.8719698	Detected	Win32App	Required Install	Remote Help 10.3.10130.1000					Line 1594		
2024-11-11 10:47:21.7543473	Detected	Win32App	Required Install	Google Chrome 130.0.6723.117					Line 1747		
2024-11-11 10:47:23.0548301	Detected	Win32App	Required Install	Ccmexec					Line 1951		
2024-11-11 10:47:23.0808361	Detected	Win32App	Required Install	CMTTrace					Line 1999		
2024-11-11 10:47:29.0689687	Detected	Win32App	Required Install	Remote Desktop					Line 2047		
2024-11-11 10:47:32.4316657	Detected	Win32App	Required Install	Windows Remove Apps 1.3.2					Line 3373		
2024-11-11 10:47:34.0187468	Detected	Win32App	Required Install	M365 Apps -Script					Line 3408		
2024-11-11 10:47:36.5483097	Detected	Win32App	Required Install	Microsoft Teams New					Line 3491		
2024-11-11 16:13:12.4313899	Detected	Win32App	Required Install	Corporate teams backgrounds							
2024-11-11 16:13:12.4803741	Detected	Win32App	Required Install	Universal Print Printer Provisioning							
2024-11-11 16:13:12.5593541	Detected	Win32App	Required Install	Remote Help 10.3.10130.1000							
2024-11-11 16:13:12.5610520	Detected	Win32App	Required Install	Remote Help 10.3.10130.1000							

<https://github.com/petripaavola/Get-IntuneManagementExtensionDiagnostics>

Reinstall required app using Powershell/remediation

- Remediations on demand is the best!
- Powershell script that
 - Uninstall application if installed
 - Clears out registry values
 - restarts IME

```
1 #Define variables
2 $AppID = "f3f8ea42-2a57-42e5-999e-399d01337e9b"
3 $MSIPackageCode = "{1E06C136-5B6F-4A98-8296-CEFE858DEEE6}"
4
5 try {
6     #Uninstall application
7     Start-Process "C:\Windows\System32\msiexec.exe" -ArgumentList "/x $MSIPackageCode /quiet /noreboot" -Wait
8 }
9 catch {
10     $errorMessage = $_.Exception.Message
11     Write-Host $errorMessage
12     exit 1
13 }
14
15 #Clear IME registry values
16 $Regpath = "HKLM:\SOFTWARE\Microsoft\IntuneManagementExtension\Win32Apps"
17 Get-ChildItem -Path $Regpath -Recurse -Exclude "*AppAuthority*" | Where-Object { $_.PSChildName -like "*$AppID*" -or $_.Property -like "*$AppID*" } | Remove-Item -Recurse -Force
18
19 #Restart IME service
20 Restart-Service -Name "IntuneManagementExtension" -Force
21
22 #Exit script
23 Exit 0
24
```

Thank you!

