



Workplace Ninja

User Group Finland

Unlocking Intune Troubleshooting Secrets

THANKS FOR THE SPONSORS!



About Jörgen Nilsson

Focus

Windows 365, Intune, Endpoint Security

Certifications

MVP Security + Windows & Devices, MCT

From

Sweden

Hobbies

Barbecue

My Blog

<https://ccmexec.com>

Contact

www.linkedin.com/in/ccmexec



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:

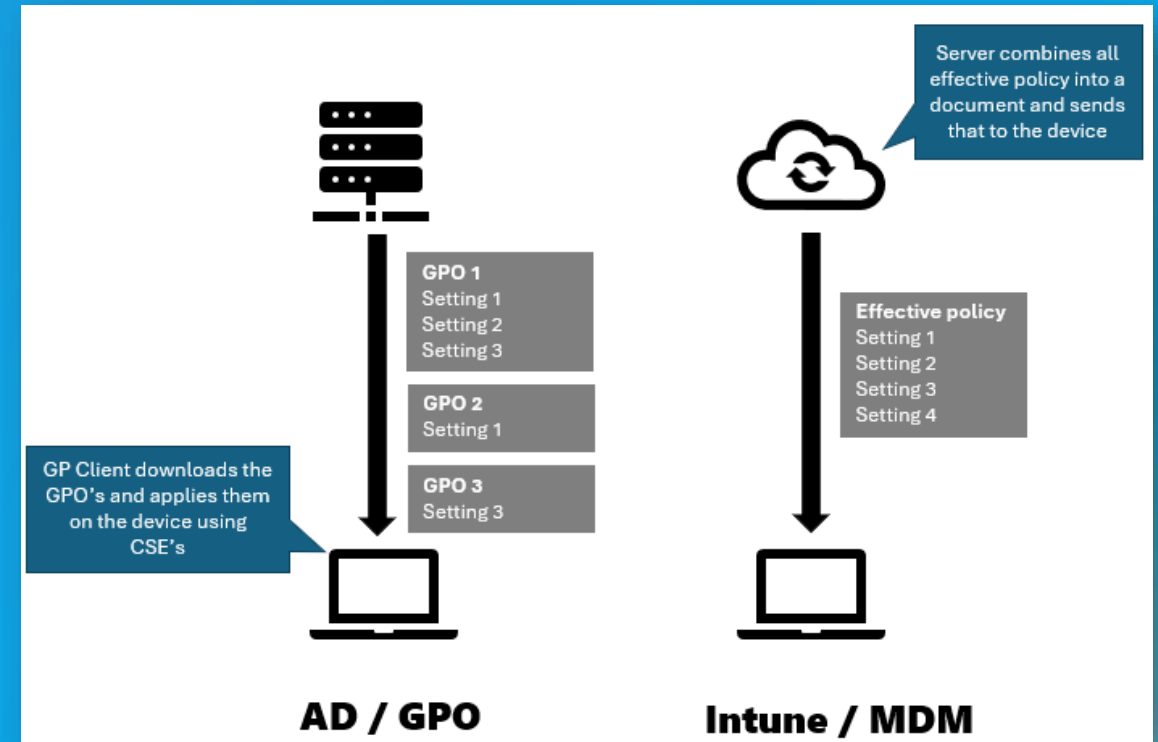
- Remediation scripts

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

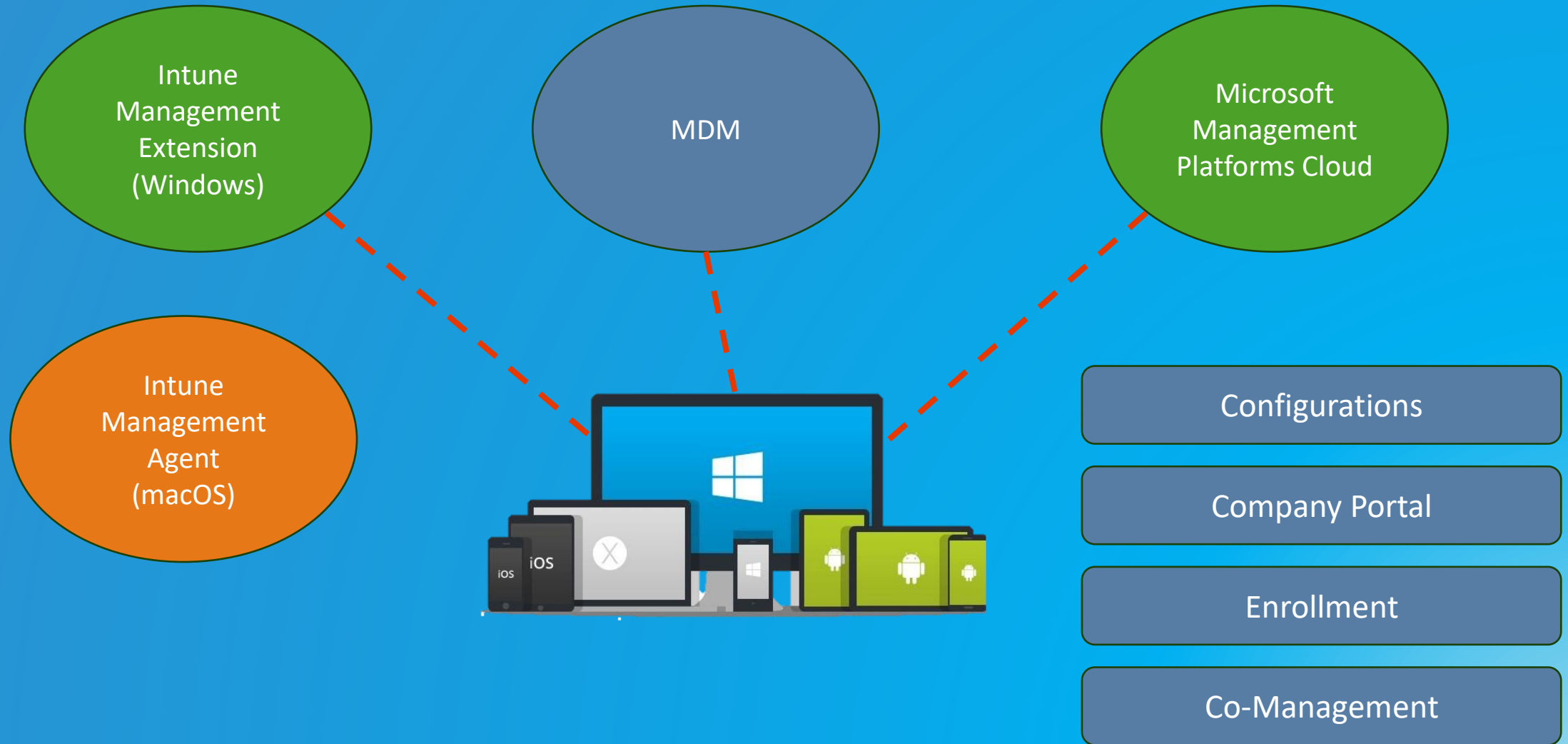


Policy/Profile Conflicts

- 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.



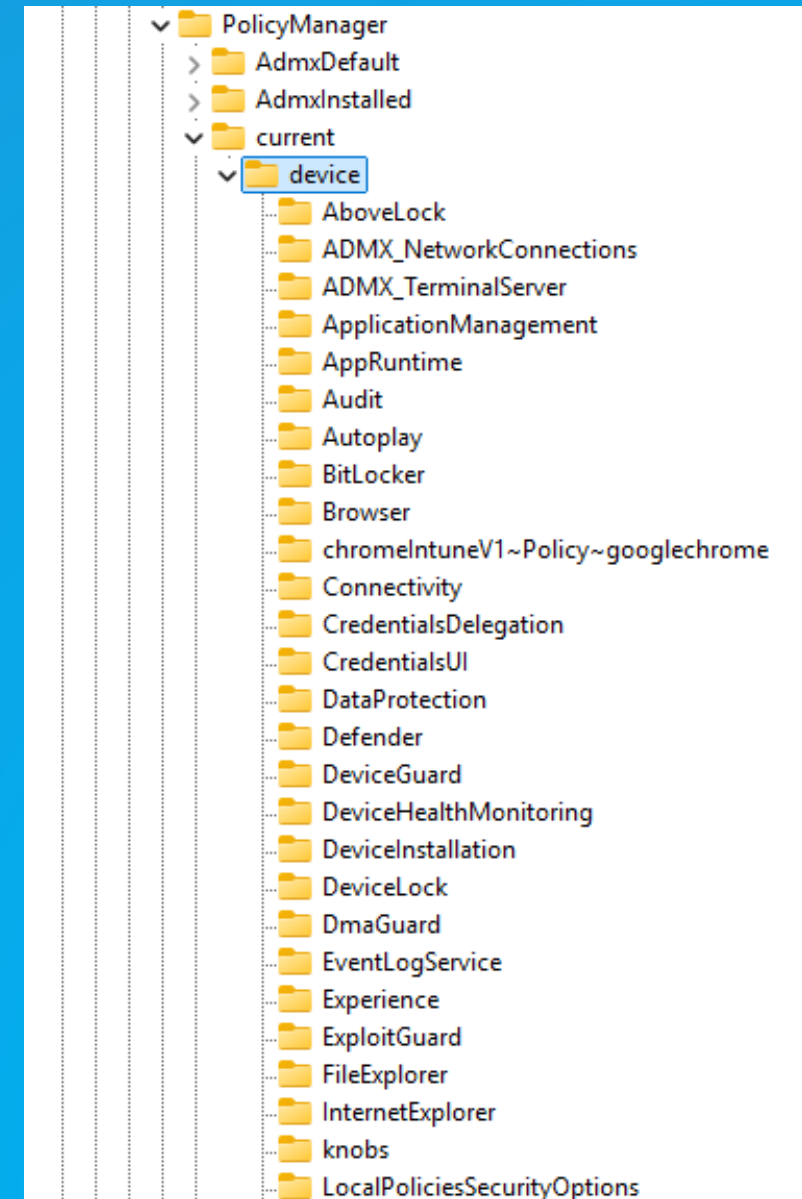
Overview



Policy Manager

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

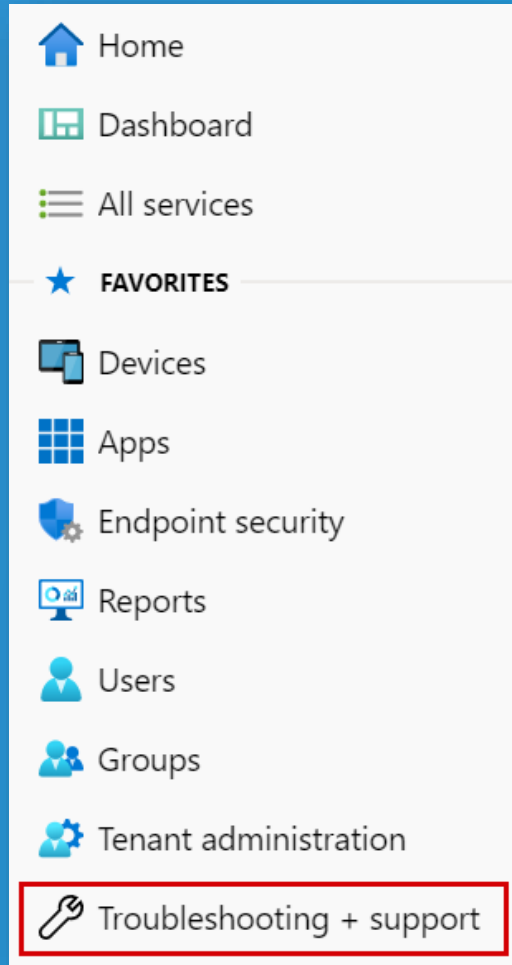
- A profile applies to a user group. Later, a user is removed from the group. For the settings to be removed from that user, it can take up to 7 hours or more for:
 - The profile to be removed from the policy assignment in the Intune admin center
 - The device to sync with the Intune object using the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



Microsoft Endpoint Manager admin center

Home > Troubleshooting + support

Troubleshooting + support | Troubleshoot

Search (Ctrl+/)

Guided scenarios (preview)

Troubleshoot

Help and support

Display name
IW Worker

Intune license

Change user

Principal name
IWWorker@contoso.com

Group memberships (3)
[Show all](#)

Email
IWWorker@contoso.com

Assignments

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>

Advanced Diagnostic Report

Your IT or support person may want additional information to help with troubleshooting.

Create report

| Name | Date modified |
|--------------------------------------|------------------|
| DeviceManagement-Enterprise-Diagn... | 2024-04-25 12:54 |
| MDMDiagReport | 2024-04-25 12:54 |
| MDMDiagReport.xml | 2024-04-25 12:54 |
| Microsoft-Windows-AAD | 2024-04-25 12:54 |
| Microsoft-Windows-Shell-Core | 2024-04-25 12:54 |

Retire Wipe Delete Remote lock Sync Reset passcode Restart Collect diagnostics

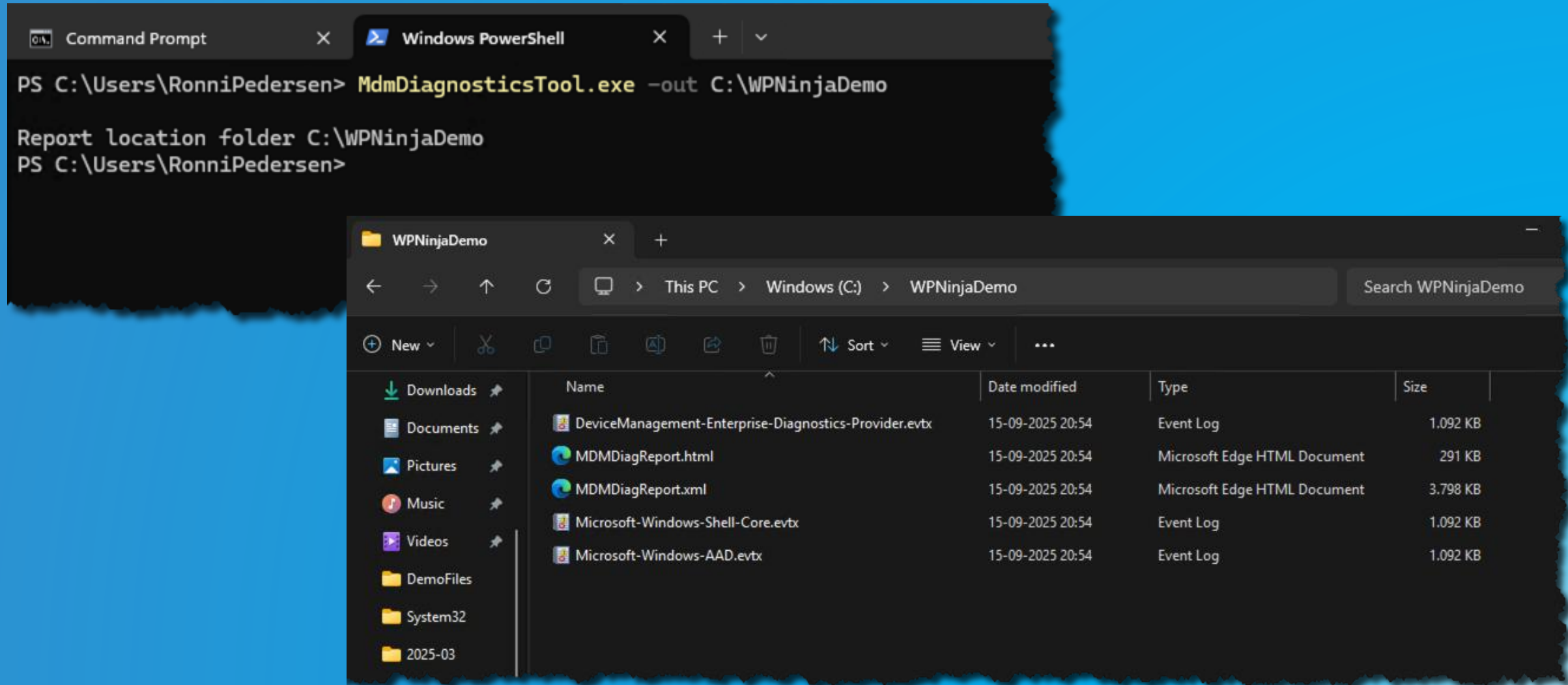
Collect diagnostics - W11DELL01

Intune will attempt to collect the diagnostics that are on this device. To download and view the diagnostics, go to Monitor > Device diagnostics. Continue with diagnostics collection?

Yes

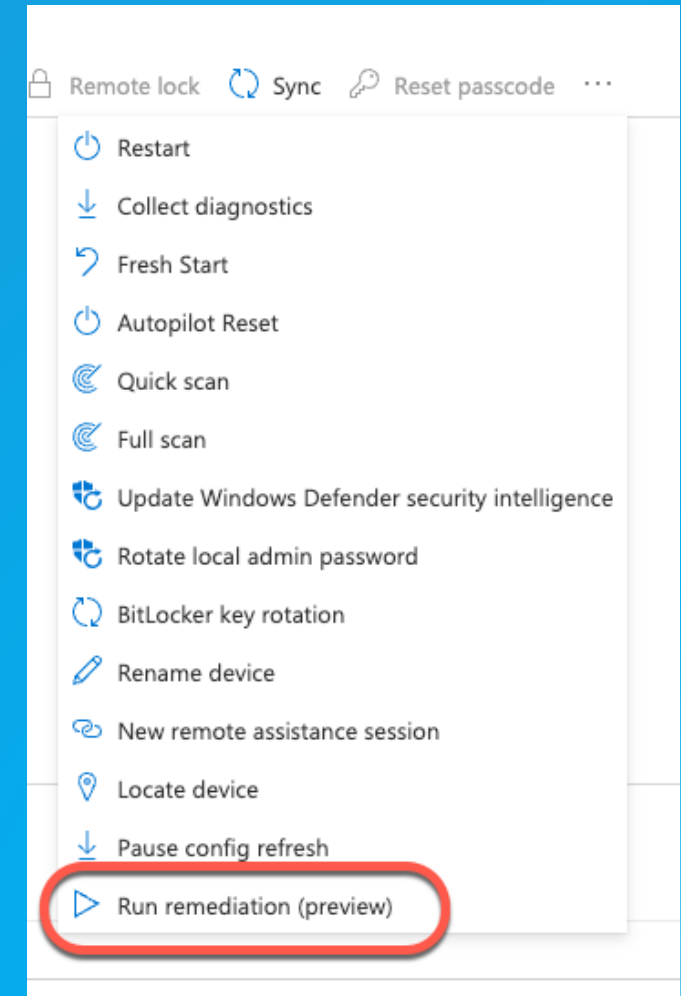
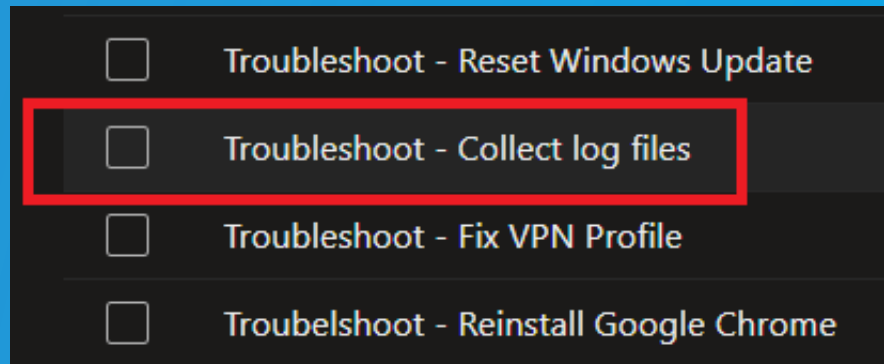
No

MDM Diagnostics Tool (Local)



Build your own log collection tool

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



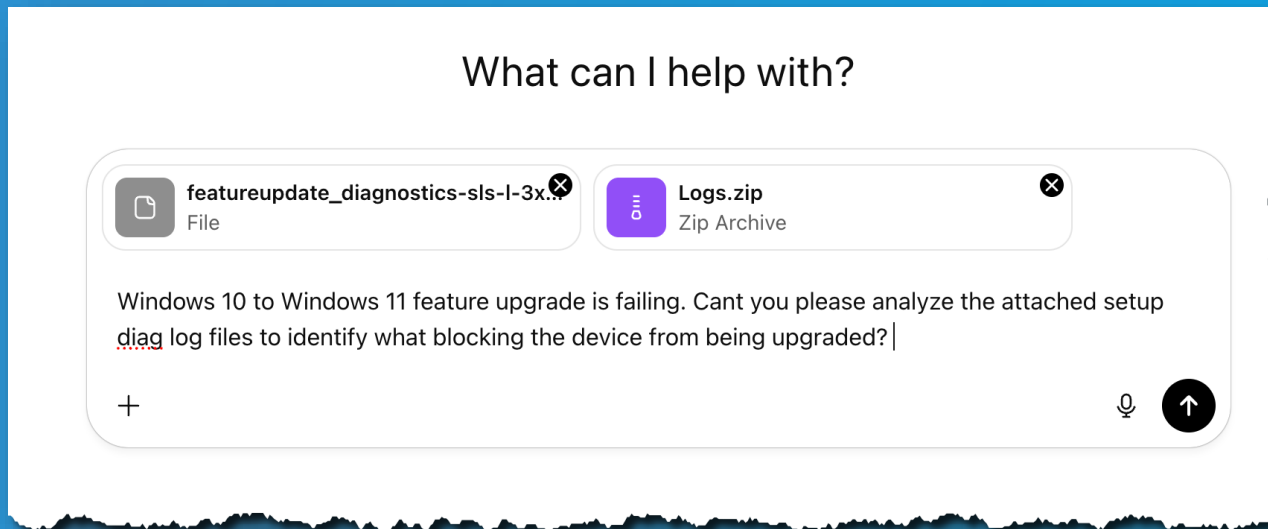
Troubleshooting in the AI Era...



Exapmle #1: Feature Upgrade Failure

Scenario (Example)

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



Microsoft 365 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

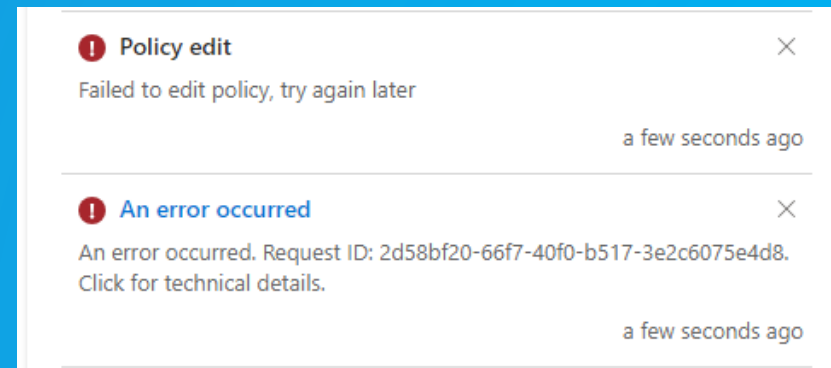
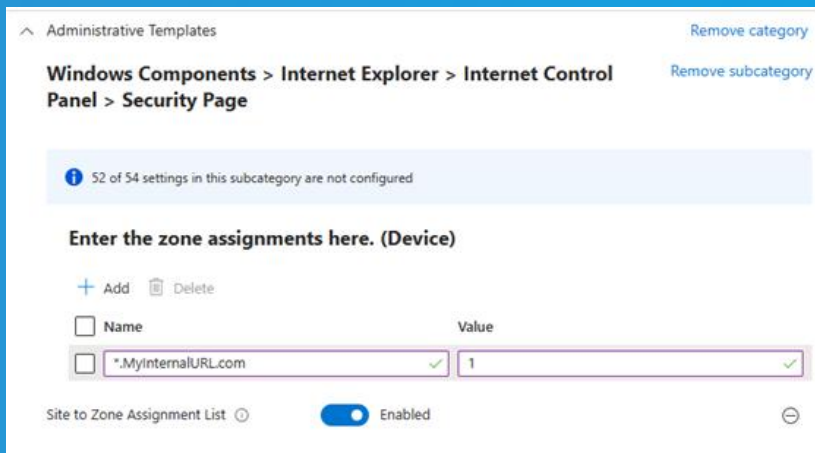
- Microsoft Edge management service
- Enrollment token or user targeting
- Default: MDM/GPO Windows over Edge Policies
 - EdgeManagementPolicyOverridesPlatformPolicy - CSP
- Multiple policies = highest priority wins
- Edge://Policies

📌 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.

Windows Update



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](#)

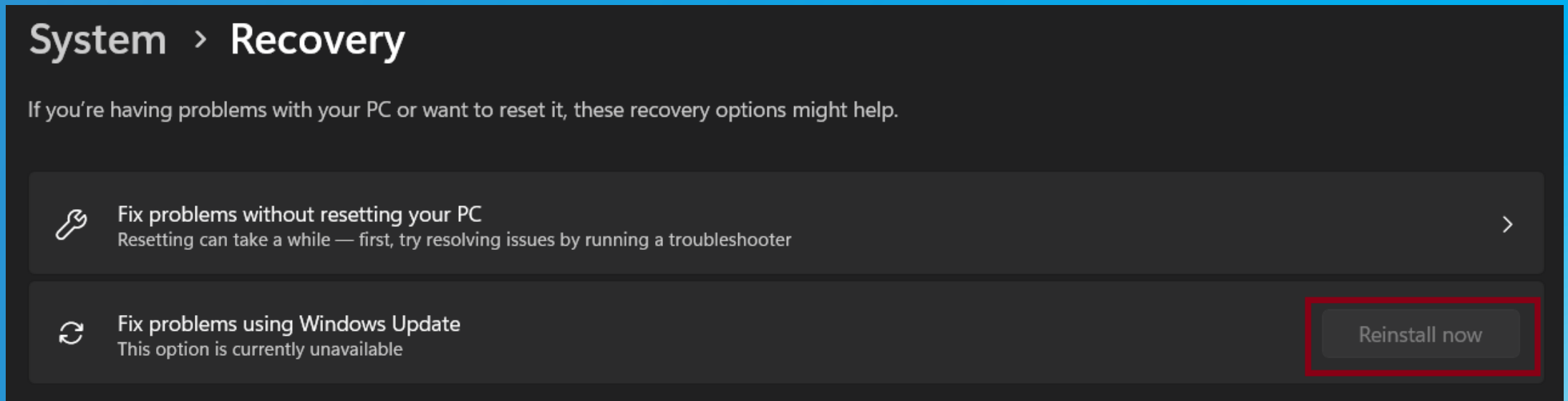
Reinstall your current version of Windows to repair system files and components

[Reinstall Now](#)

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

Configuration settings [Edit](#)

∨ Administrative Templates

∨ Device Guard

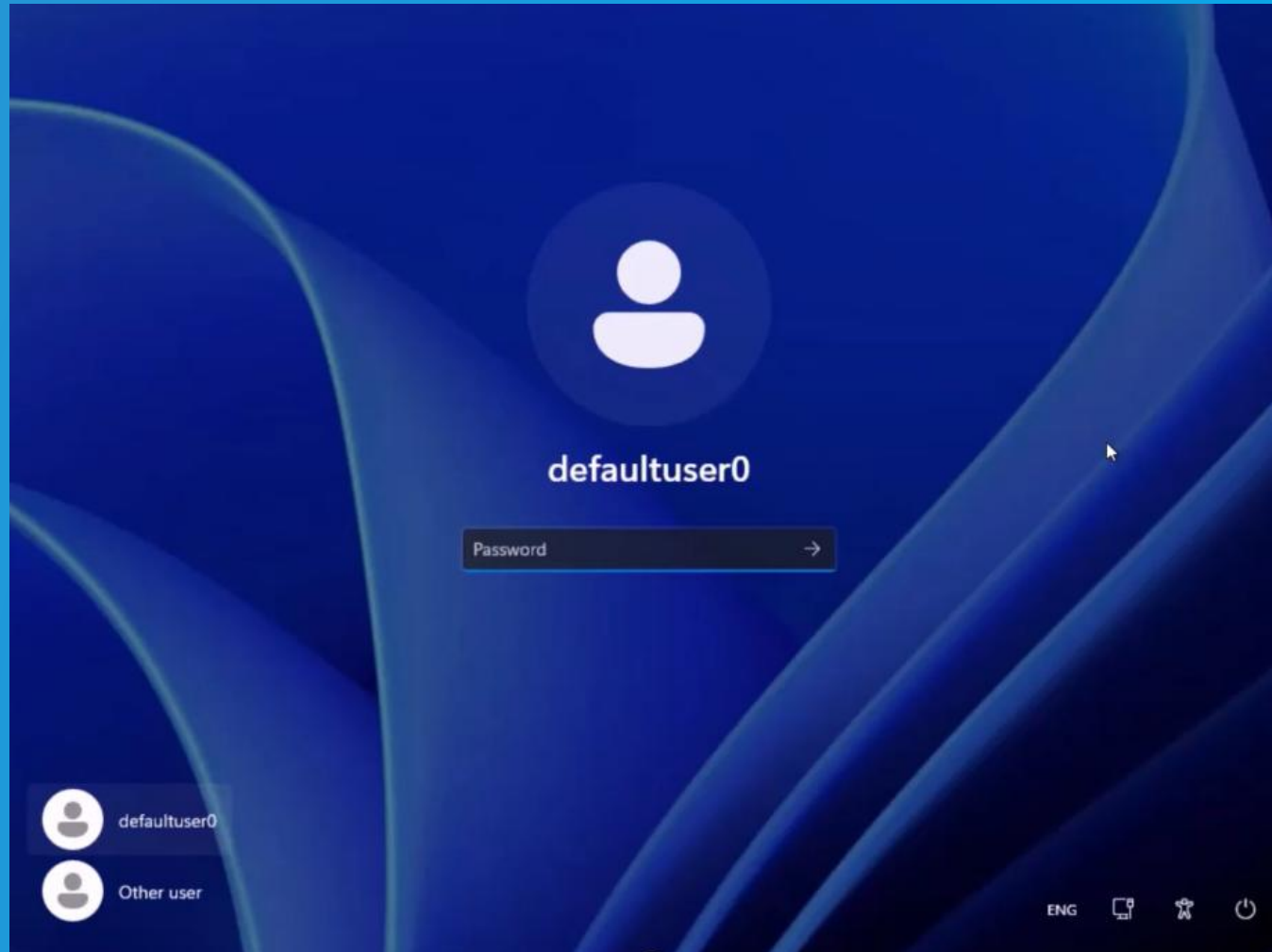
∨ Device Lock

∨ Dma Guard

∨ Virtualization Based Technology

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 | DeviceManagemen... | 2800 | None |
| Information | 2025-05-21 09:47:15 | DeviceManagemen... | 2800 | None |
| Information | 2025-05-21 09:47:15 | DeviceManagemen... | 2800 | None |
| Information | 2025-05-21 09:47:15 | DeviceManagemen... | 2800 | None |
| Information | 2025-05-21 09:47:15 | DeviceManagemen... | 2800 | None |
| Information | 2025-05-21 09:04:52 | DeviceManagemen... | 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

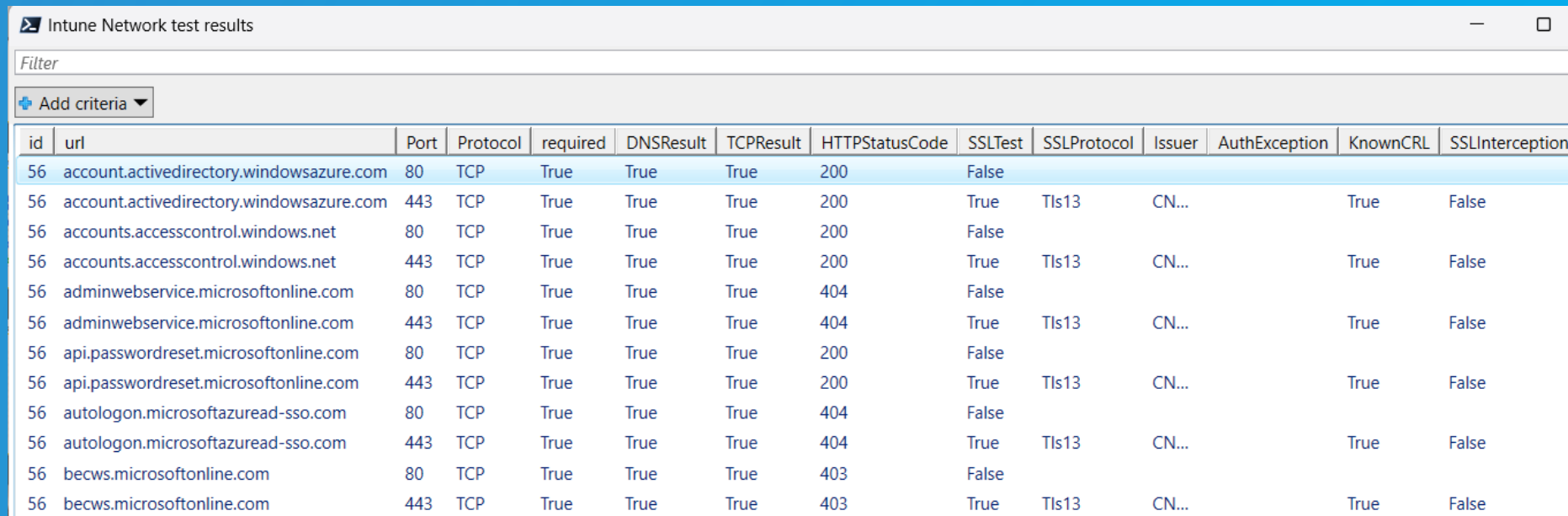
ⓘ Note

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 |
| 7ededf06-8c41-4d91-90... | 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 window titled "Intune Network test results". It features a "Filter" input field and an "Add criteria" button. Below these is a table with 14 columns: id, url, Port, Protocol, required, DNSResult, TCPResult, HTTPStatusCode, SSLTest, SSLProtocol, Issuer, AuthException, KnownCRL, and SSLInterception. The table contains 14 rows of test results for various Microsoft services, including account.activedirectory.windowsazure.com, accounts.accesscontrol.windows.net, adminwebservice.microsoftonline.com, api.passwordreset.microsoftonline.com, autologon.microsoftazuread-sso.com, and becws.microsoftonline.com. Each row shows the test ID, the URL being tested, the port and protocol used, and the results for each of the 10 test criteria.

| 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

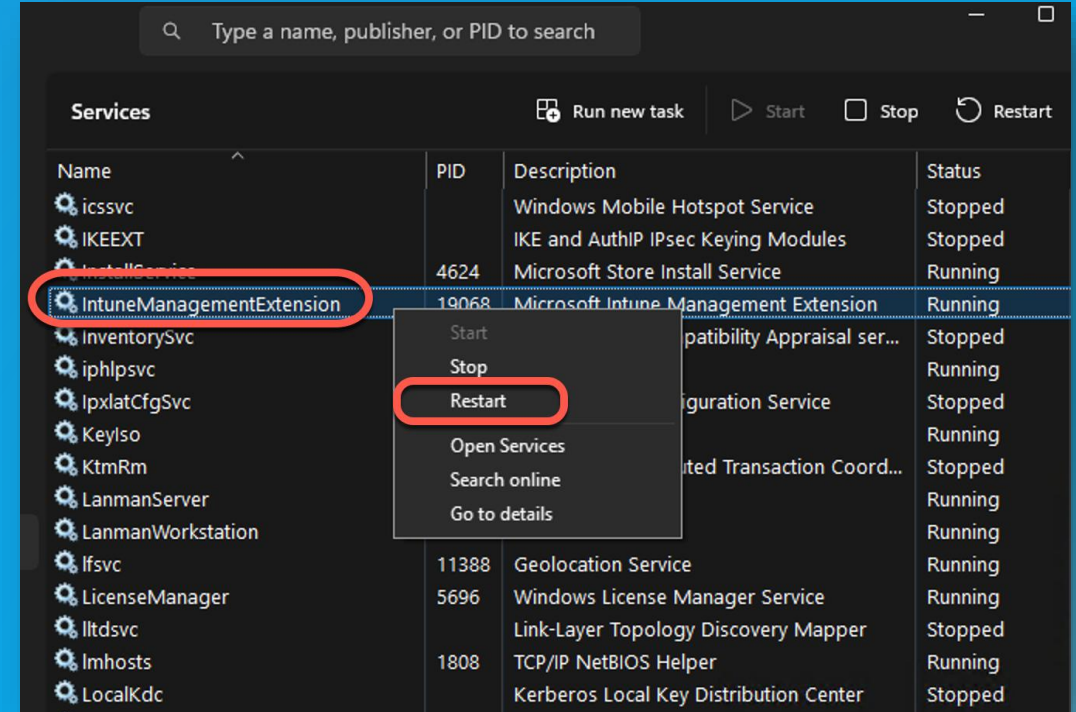
Global Reevaluation Schedule (GRS)

- **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.

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\IntuneManagementExtension\Win32Apps

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 initiate 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

The image shows a Windows Registry Editor window and the Intune admin center interface. The Registry Editor window displays the path `Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\IntuneManagementExtension` in the left pane. The right pane shows a single registry value: `(Default)` of type `REG_SZ` with data `(value not set)`. The Intune admin center interface shows the `Remote Help | Properties` page for the `Remote Help` app. The app information table lists the following details:

| Name | Remote Help |
|---|-------------------------|
| Description | RemoteHelpInstaller.exe |
| Publisher | Microsoft |
| App Version | 3.8.0.6 |
| Category | -- |
| 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

☒ Win32App
☐ WinGetApp
☐ Powershell script
☐ Remediation

Status

All
Detected (102)
Info (26)
Not Detected (11)

Type

All

Intent

All

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 879 |
| 2024-11-11 09:12:11.2795597 | Detected | Win32App | Available Install | Notepad++ 8.7.1 (x64) | | Line 930 |
| 2024-11-11 10:47:18.7684273 | Detected | Win32App | Required Install | Corporate teams backgrounds | | Line 1334 |
| 2024-11-11 10:47:18.7964450 | Detected | Win32App | Required Install | Universal Print Printer Provisioning | | Line 1369 |
| 2024-11-11 10:47:18.8689703 | Detected | Win32App | Required Install | Remote Help 10.3.10130.1000 | | Line 1452 |
| 2024-11-11 10:47:18.8709698 | Detected | Win32App | Required Install | Remote Help 10.3.10130.1000 | | Line 1455 |
| 2024-11-11 10:47:18.8719698 | Detected | Win32App | Required Install | Remote Help 10.3.10130.1000 | | Line 1458 |
| 2024-11-11 10:47:21.7543473 | Detected | Win32App | Required Install | Google Chrome 130.0.6723.117 | | Line 1509 |
| 2024-11-11 10:47:23.0548301 | Detected | Win32App | Required Install | Ccmexec | | Line 1558 |
| 2024-11-11 10:47:23.0808361 | Detected | Win32App | Required Install | CMTrace | | Line 1594 |
| 2024-11-11 10:47:29.0689687 | Detected | Win32App | Required Install | Remote Desktop | | Line 1747 |
| 2024-11-11 10:47:32.4316657 | Detected | Win32App | Required Install | Windows Remove Apps 1.3.2 | | Line 1951 |
| 2024-11-11 10:47:34.0187468 | Detected | Win32App | Required Install | M365 Apps -Script | | Line 1999 |
| 2024-11-11 10:47:36.5483097 | Detected | Win32App | Required Install | Microsoft Teams New | | Line 2047 |
| 2024-11-11 16:13:12.4313899 | Detected | Win32App | Required Install | Corporate teams backgrounds | | Line 3373 |
| 2024-11-11 16:13:12.4803741 | Detected | Win32App | Required Install | Universal Print Printer Provisioning | | Line 3408 |
| 2024-11-11 16:13:12.5593541 | Detected | Win32App | Required Install | Remote Help 10.3.10130.1000 | | Line 3491 |
| 2024-11-11 16:13:12.5613541 | Detected | Win32App | Required Install | Remote Help 10.3.10130.1000 | | Line 3494 |

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  $MSIProductCode = "{1E06C136-5B6F-4A98-8296-CEFE858DEEE6}"
4
5  try {
6      #Uninstall application
7      Start-Process "C:\Windows\System32\msiexec.exe" -ArgumentList "/x $MSIProductCode /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!

