

SILVER SPONSOR







Welcome!!





6th-7th september



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From Detection to Resolution:

Harnessing the Power of (Proactive) Remediations in Intune

Agenda



What are Remediations

Overview, Requirements and where to find them



Basics

How they work and how to build a simple package



Samples & Demo

Some real world samples



Troubleshooting & Demo

What if it something goes wrong?



Name changes ;)





om **Devices** > n are replaced bear in some blogs

peacock

What are Remediations?



- Automatic **Detection** and **Remediation** of issues
- Measurement of desired status configurations
- End-user assessment and notification
- Significantly reduce the number of potential helpdesk calls

Prerequisites



- Device is Azure AD joined or hybrid Azure AD joined
 - enrolled in Intune
 - Co-managed
- Windows 10, version 1903+
- Windows Enterprise or Education (or Pro)

Licences



- Windows 10/11 Enterprise E3, E5 included in Microsoft 365 F3, E3, E5
- Windows 10/11 Education A3, A5 included in Microsoft 365 A3, A5
- Windows 10/11 Virtual Desktop Access (VDA) per user

no support for Microsoft 365 Business Premium 🕒

Limitations & point to consider

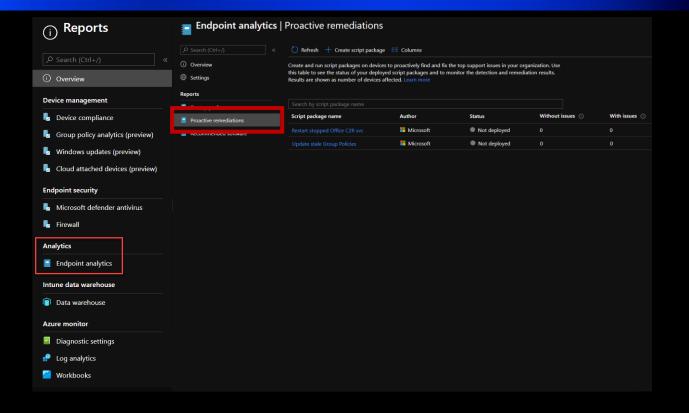


- Max. 200 script packages per tenant
- Updates every 8h (IntuneManagementExtention)
- Output online max 2048 characters
- Default mode is 32bit



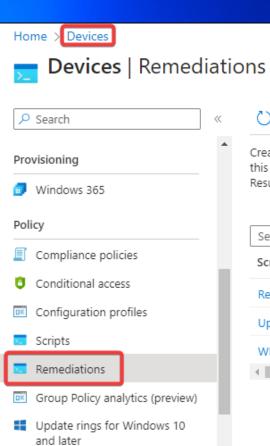
You found them here





And now here ...





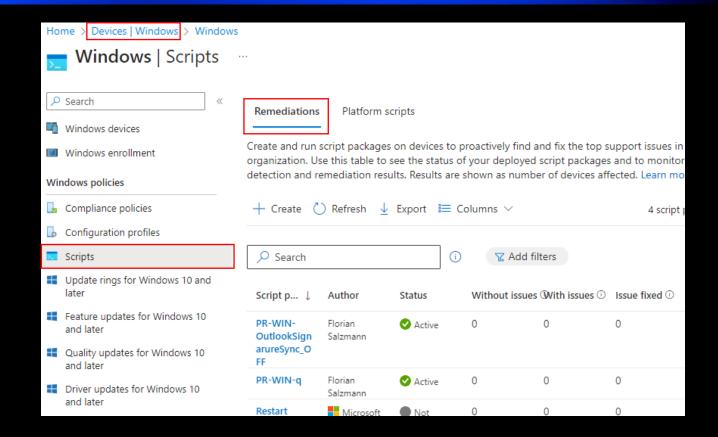
Refresh	+ Create script package	Columns
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Create and run script packages on devices to proactively find and fix the top support issues in your organization. Use this table to see the status of your deployed script packages and to monitor the detection and remediation results. Results are shown as number of devices affected. Learn more.

Search by script package name				
Script package name $\uparrow \downarrow$	Author	Status	Without issues i	With issues (i)
Restart stopped Office C2R svc	Microsoft	Not deployed	0	0
Update stale Group Policies	Microsoft	Not deployed	0	0
WIN-PR-OutlookSignatur	Florian Salzmann	Active	0	0
4				+

... Of

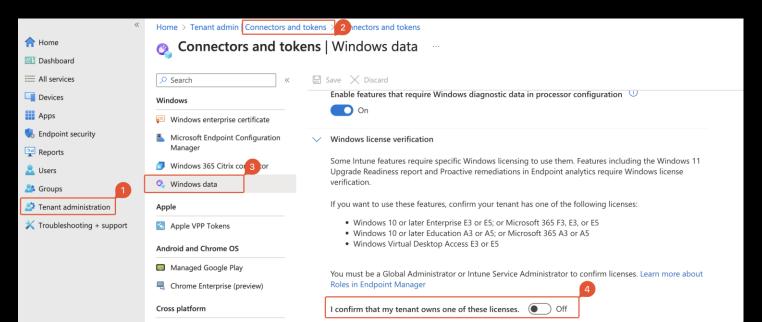




activate Remediations



- Tenant administration >
- Connectors and tokens >
- Windows data >



Basics



Detection

Exit 0 = all good.

Exit 1 = Remediation needed

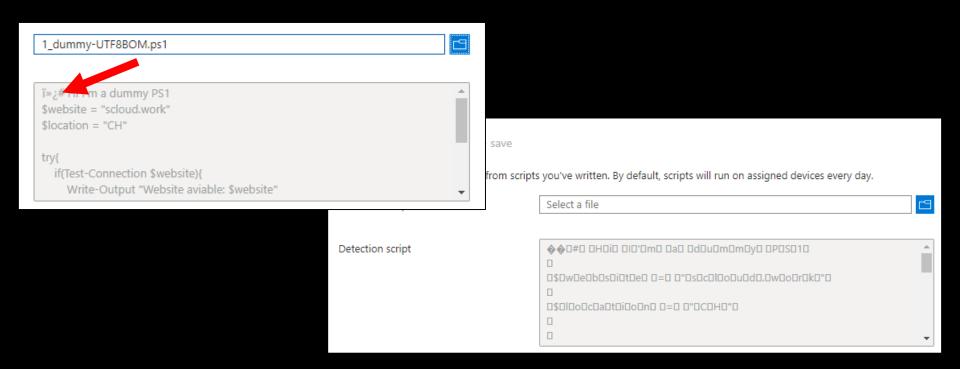
Remediation

optional

→ After execution, the detection is triggered again

File formatting matters



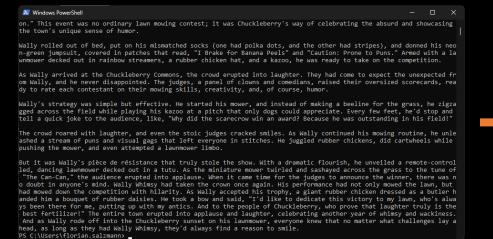


Outputs / Verbose



Can be used for reporting

- Dont use Write-Verbose or multiple Outputs
- Use only one Output Variabel (last one will be used)
- Remember the Output Limit: 2048



Pre-remediation detection output

LongOutput

But it was Wally's piÃ"ce de résistance that truly stole the show. With a dramatic flourish, he unveiled a remote-controlled, dancing lawnmower decked out in a tutu. As the miniature mower twirled and sashayed across the grass to the tune of "The Can-Can," the audience erupted into applause. When it came time for the judges to announce the winner, there was no doubt in anyone's mind. Wally Whimsy had taken the crown once again. His performance had not only mowed the lawn, but had mowed down the competition with hilarity. As Wally accepted his trophy, a giant rubber chicken dressed as a butler handed him a bouquet of rubber daisies. He took a bow and said, "I'd like to dedicate this victory to my lawn, who's always been there for me, putting up with my antics. And to the people of Chuckleberry, who prove that laughter truly is the best fertilizer!" The entire town erupted into applause and laughter, celebrating another year of whimsy and wackiness. And as Wally rode off into the Chuckleberry sunset on his lawnmower, everyone knew that no matter what challenges lay ahead, as long as they had Wally Whimsy, they'd always find a reason to smile.

Basis - Detection & Remediation





Samples and Template

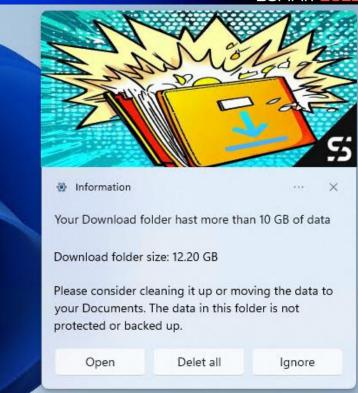


Community Repository

Endpoint Analysis Proactive Remediation Community Repo

Some ideas

- Registry Keys
- Notifications
- Driver Updates
- Computer Uptime
- Emergency Updates
- Datacollection / Inventory
- Handling local Admins
- Bitlocker Key



Sample – RegKey





Monitoring



Use just a detection to monitor states

Example: BitLocker Key

Why?

Scope Tags do not apply to BitLocker (Entra ID)

Troubleshooting



Health scripts local:

- C:\Windows\IMECache\HealthScripts
- Cleartext... so please, no secrets or sensitive data!

Logs:

• C:\ProgramData\Microsoft\IntuneManagementExtension\Logs \ Intunema...

Local history and status:

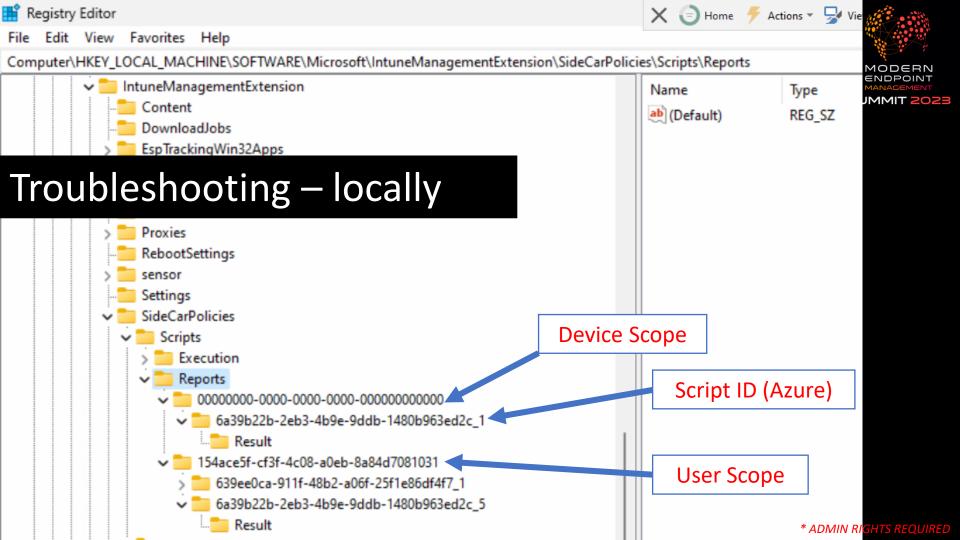
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\IntuneManagementExtension\SideCarP olicies\Scripts

Troubleshooting – locally



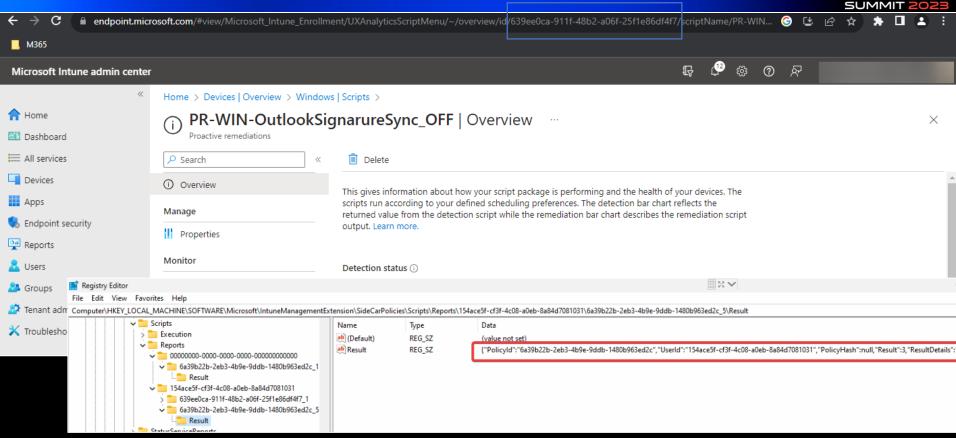
Script output in registry:

 $HKLM: \SOFTWARE \setminus Microsoft \setminus Intune Management Extension \setminus Side CarPolicies \setminus Scripts \setminus Reports \setminus SCRIPT_ID > (SCRIPT_ID > 1)$



Troubleshooting – locally





Troubleshooting – The PowerShell way



To get all Scripts from all users:

scloud/Proactive Remediation/localTroubleshooting Remediations.ps1

FlorianSLZ/scloud (github.com)

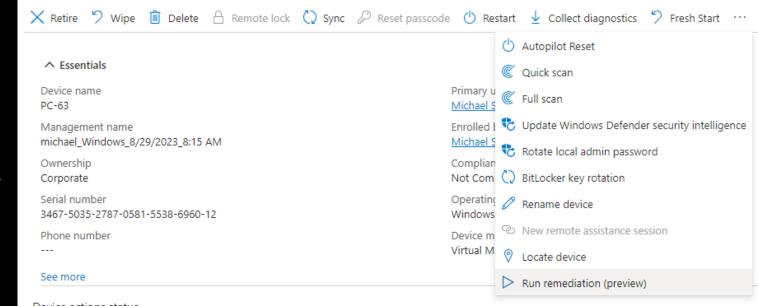
Troubleshooting – Force re-run



- 1. HKLM\SOFTWARE\Microsoft\IntuneManagementExtension\SideCarPolicies\Scripts
 - Execution\<USER GUID>\<SCRIPT ID>
 - Reports\<USER_GUID>\<SCRIPT_ID>



→ Or... run them manually



Sample – User notification





Sample – Admin for LAPS





Sample – Office Updates





Sample – Winget updates





Bonus: Proactive Remediations for Business



"Proactive Remediation for Business" | scloud







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Thank you!!





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