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# MASTERING ENDPOINT MANAGEMENT: BOLDLY ENHANCING EFFICIENT RESULTS

Jeroen Burgerhout & Engin Soysal



# WHY THIS COMPLEX SESSION TITLE?

Mastering Endpoint Management:

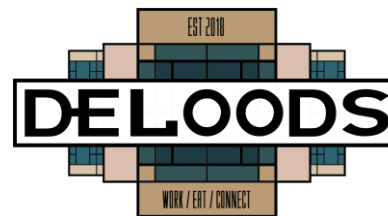
**#MEMBEER**

Boldly Enhancing Efficient Results





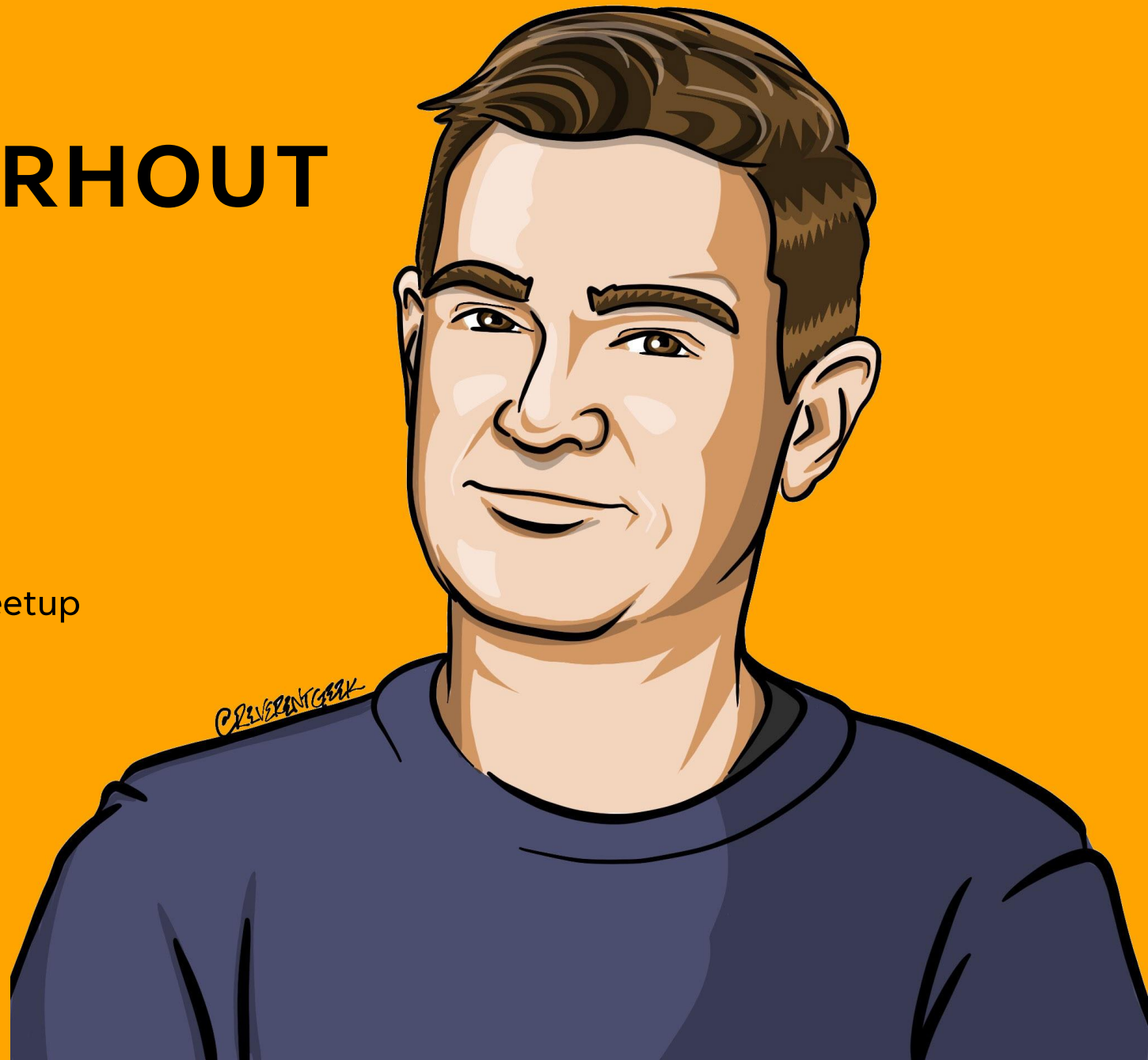
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Many thanks to our  
**Sponsors**

# JEROEN BURGERHOUT

- Modern Workplace Consultant
- Microsoft Certified Trainer
- WorkplaceDudes
- Experts Live NL Team
- Microsoft 365 Modern Management Meetup
- Craft beer lover 🍺
- (good weather) Golfer 🏌️
- LEGO addicted 🧑🏠



# ENGIN SOYSAL

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- Freelance ICT Consultant
- Microsoft Certified Trainer
- WorkplaceDudes
- Gamer





# PORTALS, PORTALS, PORTALS

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# MICROSOFT INTUNE PORTALS


- [intune.microsoft.com](https://intune.microsoft.com)
- [aka.ms/intune](https://aka.ms/intune)
- [aka.ms/in](https://aka.ms/in)
  
- [endpoint.microsoft.com](https://endpoint.microsoft.com) (still working)


# CMD.MS BY MERILL FERNANDO


 [cmd.ms]


 Home


Microsoft Portals


 Azure

 Azure Active Directory


 Defender


 Intune


 Microsoft 365



 My Pages


Docs

 Power User Tips

 Contributing


 Related

 >  Home

 Home

**[cmd.ms] the Microsoft Cloud command line!**

Are you tired of clicking around in Microsoft portals to get to a blade?













 Use the power of your browser's address bar to quickly get to your favorite blade in Azure, Microsoft 365, Azure AD, Intune...

Try it out. Open a new tab and type **(command).cmd.ms** using any of the commands or alias from the list below.

Remember to [check out the browser extensions](#) that add support for auto-complete in the address bar.

All Microsoft Portals

Search commands...

	NAME	COMMAND	ALIAS	URL
	Azure Active Directory (Entra)	<b>ad.cmd.ms</b>	aad,entra	<a href="https://entra.microsoft.com">https://entra.microsoft.com</a>
	Azure Active Directory	<b>azad.cmd.ms</b>		<a href="https://portal.azure.com/#view/Microsoft_AAD_IAM/ActiveDirectoryMenuBla...">https://portal.azure.com/#view/Microsoft_AAD_IAM/ActiveDirectoryMenuBla...</a>
	Microsoft 365 Admin	<b>admin.cmd.ms</b>		<a href="https://admin.microsoft.com">https://admin.microsoft.com</a>
	Azure	<b>az.cmd.ms</b>	azure	<a href="https://portal.azure.com">https://portal.azure.com</a>
	Azure Preview Portal	<b>azp.cmd.ms</b>	azurepreview	<a href="https://preview.portal.azure.com/">https://preview.portal.azure.com/</a>
	Intune	<b>in.cmd.ms</b>	intune,endpoint	<a href="https://intune.microsoft.com">https://intune.microsoft.com</a>
	Microsoft 365 Defender	<b>defender.cmd.ms</b>	def,security	<a href="https://security.microsoft.com">https://security.microsoft.com</a>
	Sentinel	<b>azsentinel.cmd.ms</b>	sentinel	<a href="https://portal.azure.com/#blade/Microsoft_Azure_Security_Insights/Workspac...">https://portal.azure.com/#blade/Microsoft_Azure_Security_Insights/Workspac...</a>
	Exchange	<b>ex.cmd.ms</b>	exo,exchange	<a href="https://admin.exchange.microsoft.com">https://admin.exchange.microsoft.com</a>
	SharePoint	<b>sp.cmd.ms</b>	spo,sharepoint	<a href="https://admin.microsoft.com/sharepoint">https://admin.microsoft.com/sharepoint</a>
	Teams	<b>teams.cmd.ms</b>	team	<a href="https://admin.teams.microsoft.com/">https://admin.teams.microsoft.com/</a>
	OneDrive	<b>one.cmd.ms</b>	onedrive	<a href="https://admin.onedrive.com">https://admin.onedrive.com</a>





# MICROSOFT TENANT AVAILABLE?

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# IT'S ALL ABOUT THE NAME

 Which tenant name should you pick?

 Is it available?

somerandomtenantname.onmicrosoft.com

# O365.ROCKS

## Microsoft 365

### Tenant availability check

Tenant name

Enter your preferred tenant name. Names can contain letters and numbers only. No spaces or symbols.

Check availability

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 <https://o365.rocks>



# MANAGING AN INTUNE TENANT

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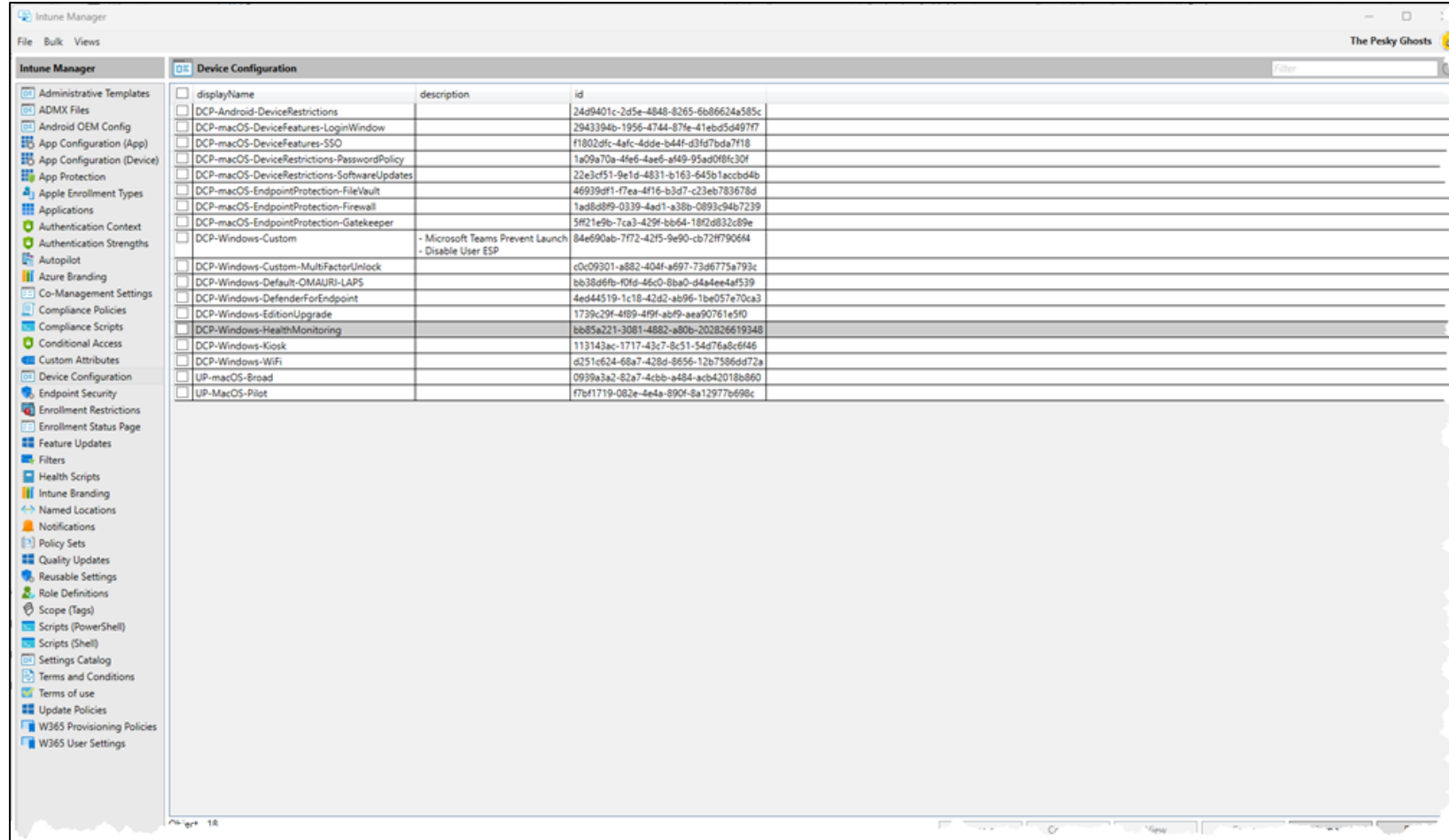




# CREATE, UPDATE, DELETE, COPY

- Import / Export configs
- Ideal for a “blueprint” to use in new tenants
- Supported in a DevOps environment

# INTUNEMANAGEMENT BY MIKAEL KARLSSON



[github.com/Micke-K/IntuneManagement](https://github.com/Micke-K/IntuneManagement)



# UPLOADING HW HASH FOR AUTOPILOT

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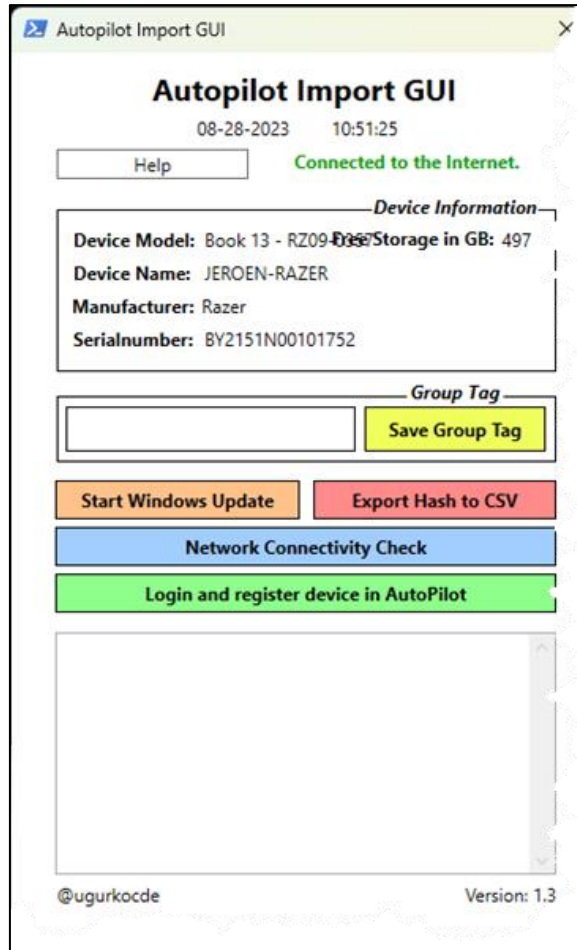
# UPLOADING.....

Different methods to upload a devices HW hash:

- Manual CSV upload
- Get-WindowsAutoPilotInfo –online
- Or....



# AUTOPILOT IMPORT GUI BY UGUR KOC



👉 [https://github.com/ugurkocde/AutoPilot\\_Import\\_GUI](https://github.com/ugurkocde/AutoPilot_Import_GUI)



# ADDING APPS

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# PACKAGING IS

Packaging apps is time-consuming.

- convert the app to win32app
- you need to know the (un)install commando
- you “need” a product logo to make it fancy



We probably have the solution

# WINTUNER BY STEPHAN VAN ROOIJ

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\jeroe> winget-intune package Garmin.BaseCamp --package-folder C:\Packagefolder
info: WingetIntune.Implementations.WingetManager[4] Getting package info for Garmin.BaseCamp (null)
info: WingetIntune.Commands.PackageCommand[0] Package Garmin.BaseCamp 4.7.5.0 from Winget
info: WingetIntune.IntuneManager[1] Generating IntuneWin package for Garmin.BaseCamp 4.7.5.0 in C:\Packagefolder
info: WingetIntune.IntuneManager[3] Downloading content prep tool from https://github.com/microsoft/Microsoft-Win32-Content-Prep-Tool/raw/master/IntuneWinAppUtil.exe
info: WingetIntune.IntuneManager[4] Downloading installer from https://download.garmin.com/software/BaseCamp_475.exe to C:\Users\jeroe\AppData\Local\Temp\intunewin\Garmin.BaseCamp\4.7.5.0\BaseCamp_475.exe
info: WingetIntune.IntuneManager[5] Generating IntuneWin package from C:\Users\jeroe\AppData\Local\Temp\intunewin\Garmin.BaseCamp\4.7.5.0 to C:\Packagefolder\Garmin.BaseCamp\4.7.5.0 with BaseCamp_475.exe
info: WingetIntune.IntuneManager[6] Downloading logo from https://api.winstall.app/icons/Garmin.BaseCamp.png
info: WingetIntune.IntuneManager[0] Writing package readme for package Garmin.BaseCamp
PS C:\Users\jeroe> winget-intune publish Garmin.BaseCamp --package-folder C:\Packagefolder --username adm-jeroen@thepeskyghosts.onmicrosoft.com
info: WingetIntune.Implementations.WingetManager[4] Getting package info for Garmin.BaseCamp (null)
info: WingetIntune.Commands.PackageCommand[0] Publishing package Garmin.BaseCamp (null)
info: WingetIntune.IntuneManager[0] Created app ed1f708f-9f30-4a0b-821c-4d60c680c062, starting with content
info: WingetIntune.Implementations.AzCopyAzureUploader[0] AzCopy upload C:\Users\jeroe\AppData\Local\Temp\ecd4b903-0346-4bbcb-af88-c1d5cabf1cf1\IntuneWinPackage\Contents\IntunePackage.intunewin to https://mmcsbdb02.blob.core.windows.net/36504965-4b2d-472b-9d6b-325cdfd81c58/5182d570-e53e-4be7-a77e-f4d9da28e2f0/c76baa03-2382-41b5-8e65-ade50e0e2867.intunewin.bin?sv=2017-04-17&sr=b&si=-426700832&sig=AXBIdi%2BMpsDiZ4h0K4GXJSjpHugYKkBgKvPnP1XmZw%3D successfully
info: WingetIntune.IntuneManager[0] App file uploaded successfully
info: WingetIntune.IntuneManager[0] App CommittedContentVersion patched successfully
info: WingetIntune.Commands.PackageCommand[0] App Garmin.BaseCamp 4.7.5.0 created in Azure ed1f708f-9f30-4a0b-821c-4d60c680c062
PS C:\Users\jeroe>
```



<https://wintuner.app>





ERROR 806

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# WRONG ORGANIZATION

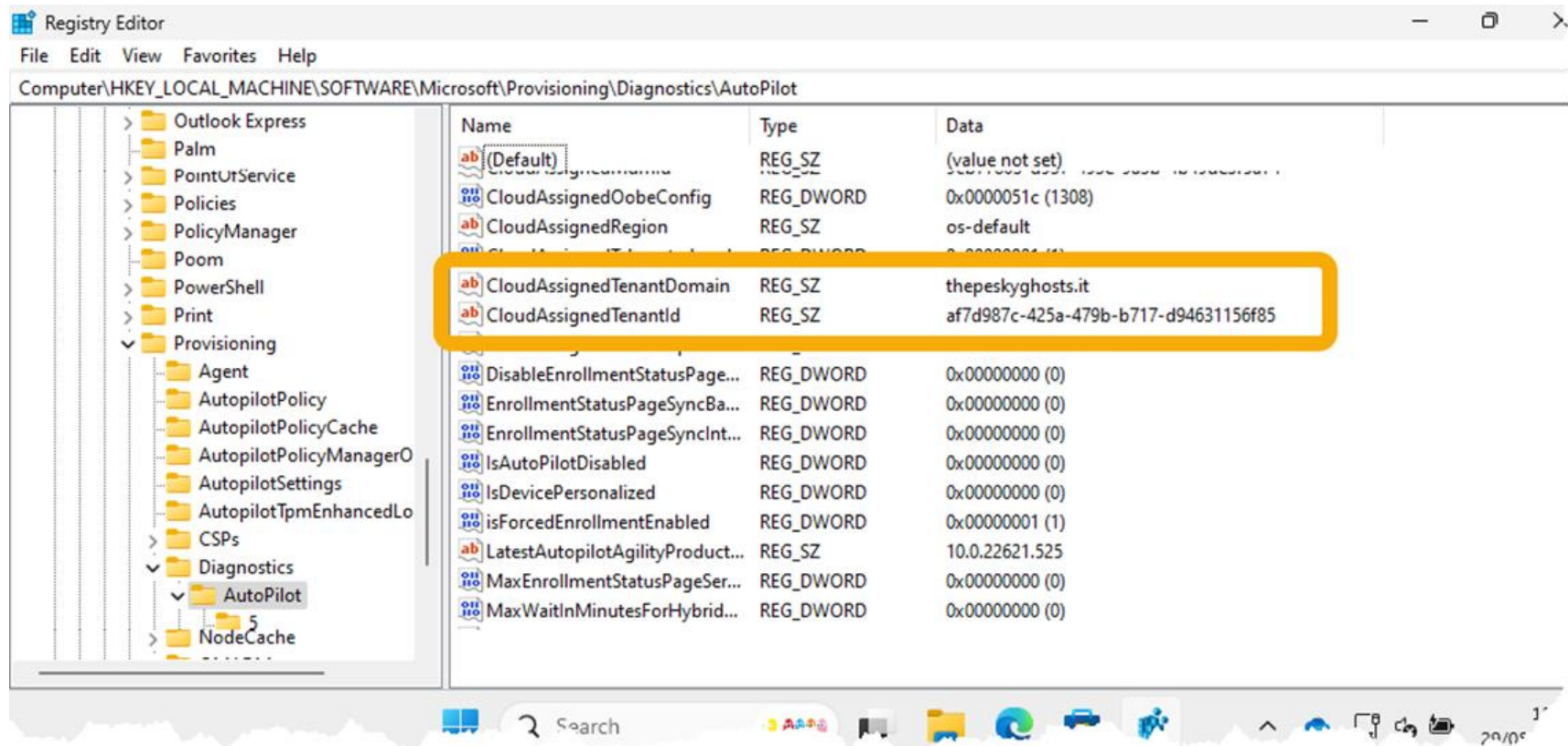
Have you ever discovered that a Windows Autopilot device is registered under the incorrect tenant's organization?

This is a common scenario that might occur from hardware replacements, order-related problems, or testing.

# ZTDDEVICEALREADYASSIGNED

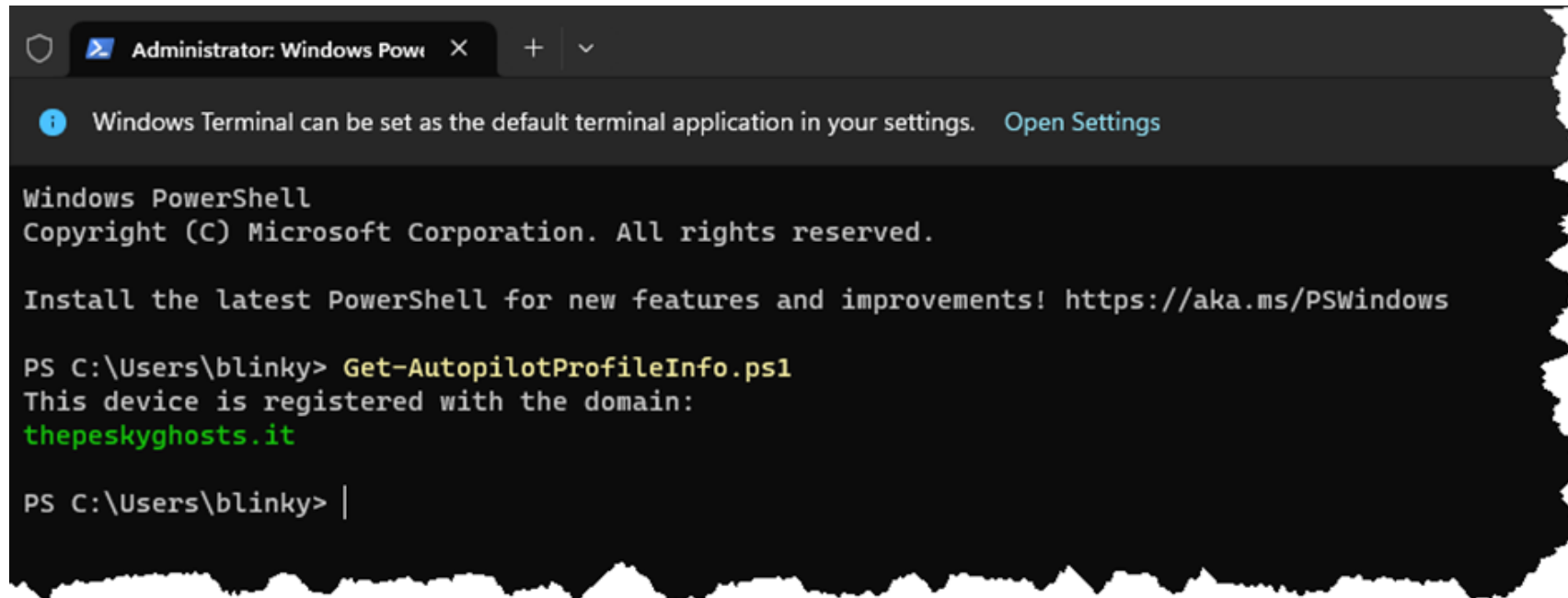
```
Administrator: Windows PowerShell
PS C:\Users\jeroe> Get-WindowsAutoPilotInfo.ps1 -Online
Welcome To Microsoft Graph!
Connected to Intune tenant af7d987c-425a-479b-b717-d94631156f85
Gathered details for device with serial number: BY2151N00101752
Waiting for 1 of 1 to be imported
Waiting for 1 of 1 to be imported
Waiting for 1 of 1 to be imported
Waiting for 1 of 1 to be imported
Waiting for 0 of 1 to be imported
BY2151N00101752: error 806 ZtdDeviceAlreadyAssigned
0 devices imported successfully. Elapsed time to complete import: 123 seconds
Waiting for 0 of 0 to be synced
All devices synced. Elapsed time to complete sync: 1 seconds
PS C:\Users\jeroe> |
```

# REGISTRY ENTRY





# AUTOPILOTPROFILEINFO BY FLORIAN SALZMANN



```
Administrator: Windows PowerShell
Windows Terminal can be set as the default terminal application in your settings. Open Settings

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\blinky> Get-AutopilotProfileInfo.ps1
This device is registered with the domain:
thepeskyghosts.it

PS C:\Users\blinky> |
```

 <https://scloud.work/get-autopilotprofileinfo/>



# INTUNE DOCUMENTATION

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# WRITING IT ALL DOWN

Simplify the life of consultants and admins

- Microsoft Intune
- Microsoft Entra ID
- Microsoft Cloud Print
- Microsoft Information Protection
- Windows 365

# M365DOCUMENTATION BY THOMAS KURTH

www.wpninjas.eu

Microsoft 365 Documentation

www.wpninjas.eu

Device Configuration Policies (Settings Catalog)

This section contains a list of all device configuration policies available in [Intune](#).

DCP-MCTS24

createdDateTime	creationSource	description	lastModifiedDateTime	name
2024-01-15T10:28:29.8662759Z			2024-01-17T10:20:04.9947815Z	DCP-MCTS24

Settings

Display Name	ID	Value	Value Name
Enable Navigation Buttons	device_vendor_msft_policy_config_kioskbrowser_enablenavigationbuttons	1	Enable

DCP-Windows-BaseSettings

createdDateTime	creationSource	description	lastModifiedDateTime	name
2021-04-15T09:32:59.2185091Z			2023-08-29T11:49:01.2905272Z	DCP-Windows-BaseSettings

Assignments



<https://github.com/ThomasKur/M365Documentation>



# INTUNE UPDATES

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# RECENTLY ANNOUNCED

## **Public Preview**

- MAM for Windows (Edge)

## **General Available**

- Group Policy analytics tool

# STAY UP- TO-DATE

- **What's New**
  - <https://learn.microsoft.com/en-us/mem/intune/fundamentals/whats-new>
- **What is in development**
  - <https://learn.microsoft.com/en-us/mem/intune/fundamentals/in-development>
- **Social Media**
  - Tech Community: [Microsoft Intune - Microsoft Tech Community](#)
  - Twitter: [Intune Support Team \(@IntuneSuppTeam\)](#)
  - Reddit: [Intune: Mobile Device Management \(reddit.com\)](#)
  - Discord: <https://discord.gg/msems>
- **Feedback portal**
  - <https://feedbackportal.microsoft.com/feedback/forum/ef1d6d38-fd1b-ec11-b6e7-0022481f8472>



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DANK JE WEL!