

# Unleashing the power of Intune Community Tools

Jörgen Nilsson





# Jörgen Nilsson

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- Microsoft MVP: Enterprise Mobility
- MCSE/MCSA/MCITP/MCTS
- ITIL Foundation Certified
- Microsoft Certified Trainer (MCT)

Twitter: @ccmexec



# Why Community Tools

- Fill the GAPS in the products!!
  - Make our jobs easier
  - Saves time
- 
- Simply saves time!




# Community Tools creators

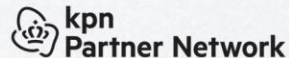
- They are our true heroes
- Drives product development





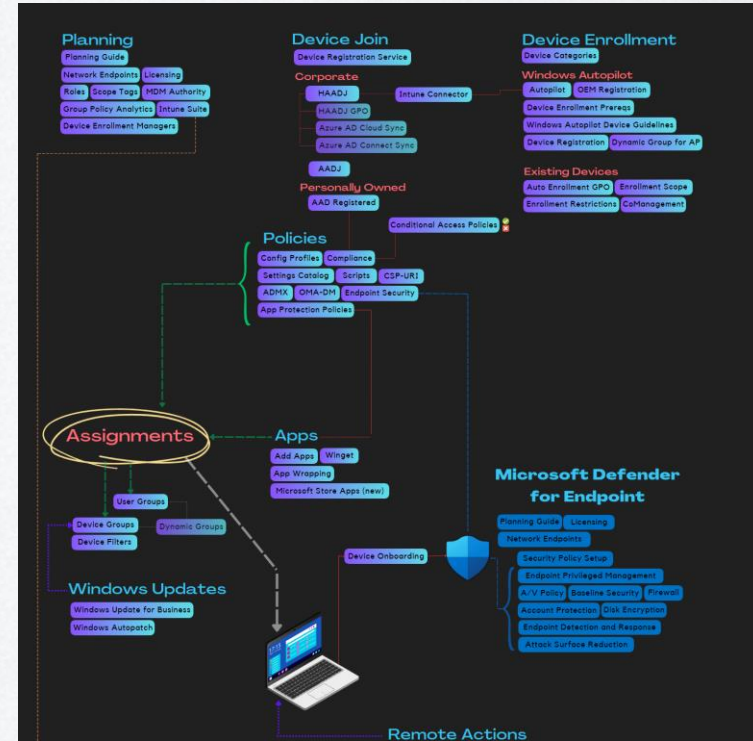


Before we start – here are the links  
to all the tools



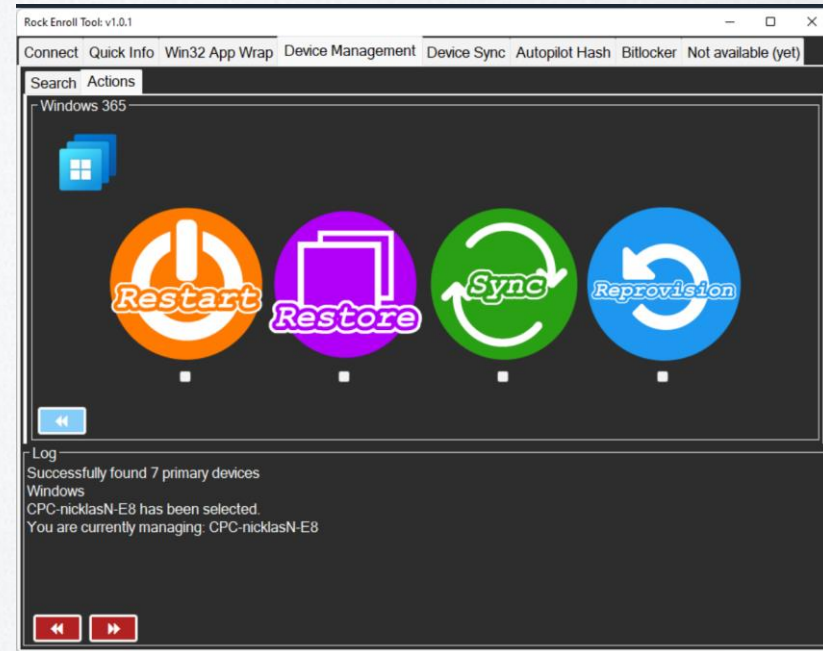
# IntuneMaps – Shehan Perera

- Good starting point
- So many URL's
- Links to all documentation



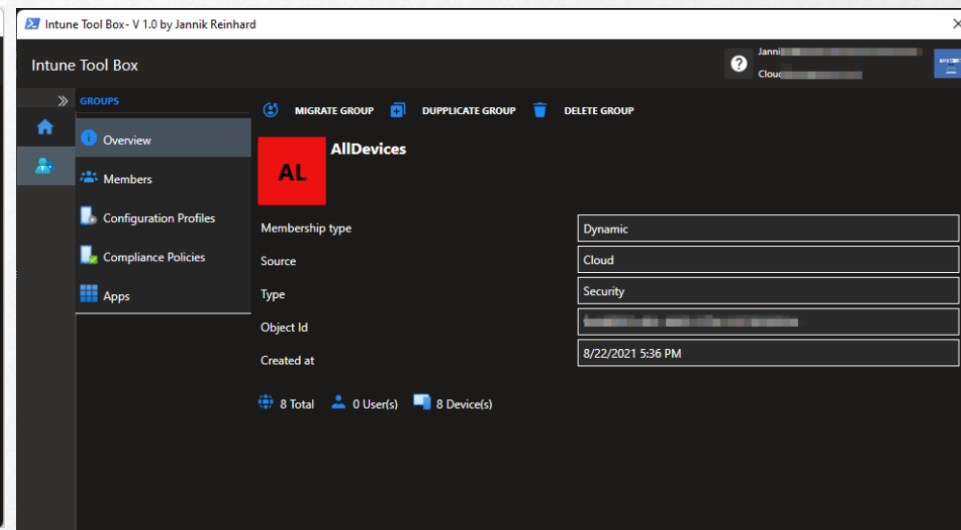
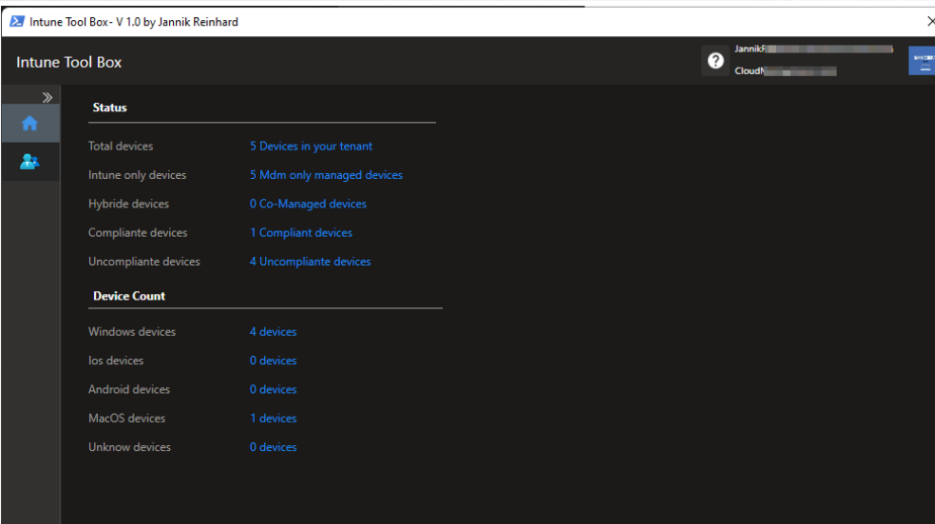
# Rockenroll tool – Nicklas Ahlberg

- Device actions
- AutoPilot hash
- BitLocker
- Win32app wrap



# Intune Tool box – Jannik Reinhard

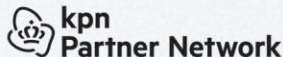
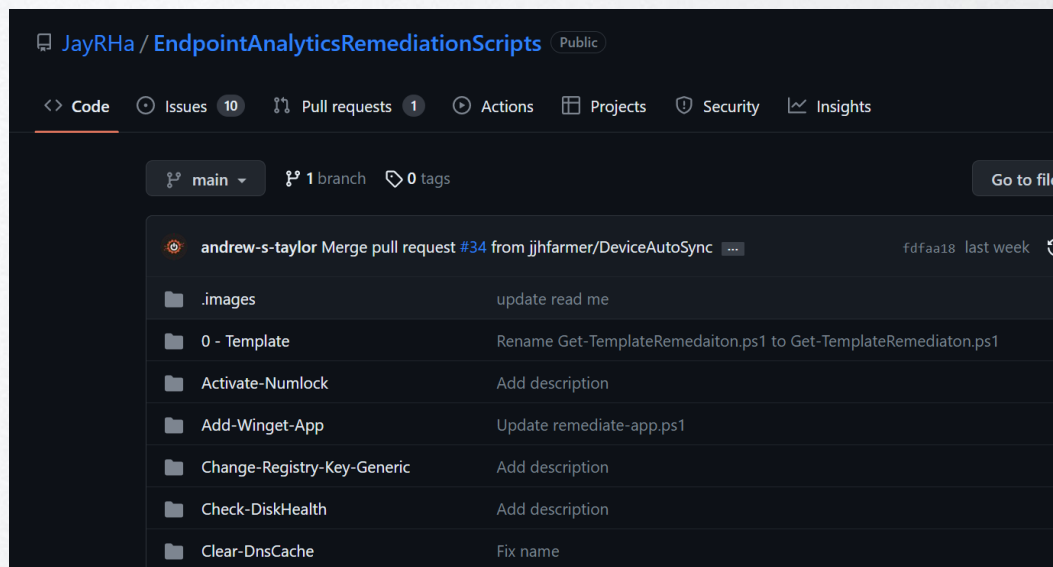
- Intune Tool box
- Simplified UI





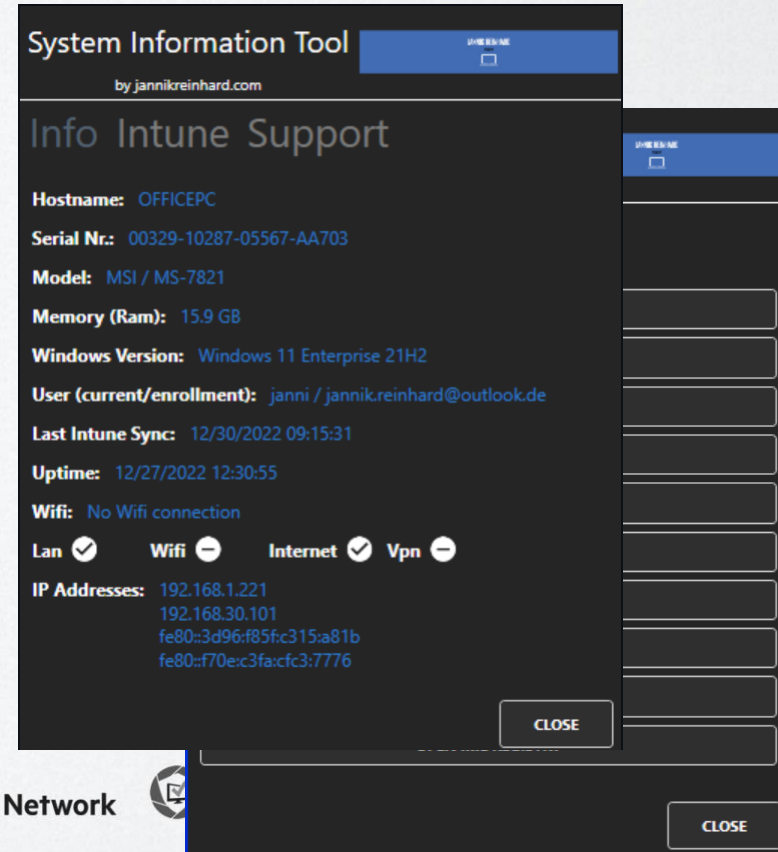
# Proactive remediation repo – Jannik Reinhard

- Repo of Proactive remediation scripts
- True community tool!
- Submit your scripts today!



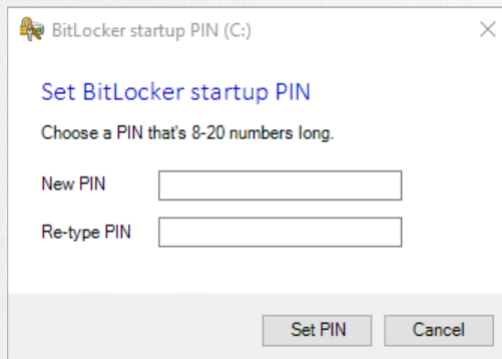
# System Information and Self- service tool – Jannik Reinhard

- Computer Information
- Computer checks
- Device actions
- Customize to add your own commands



# BitLocker PIN – Oliver Kieselbach

- Add a BitLocker PIN
- Step-by-step guide
- Prompt the end-user for PIN



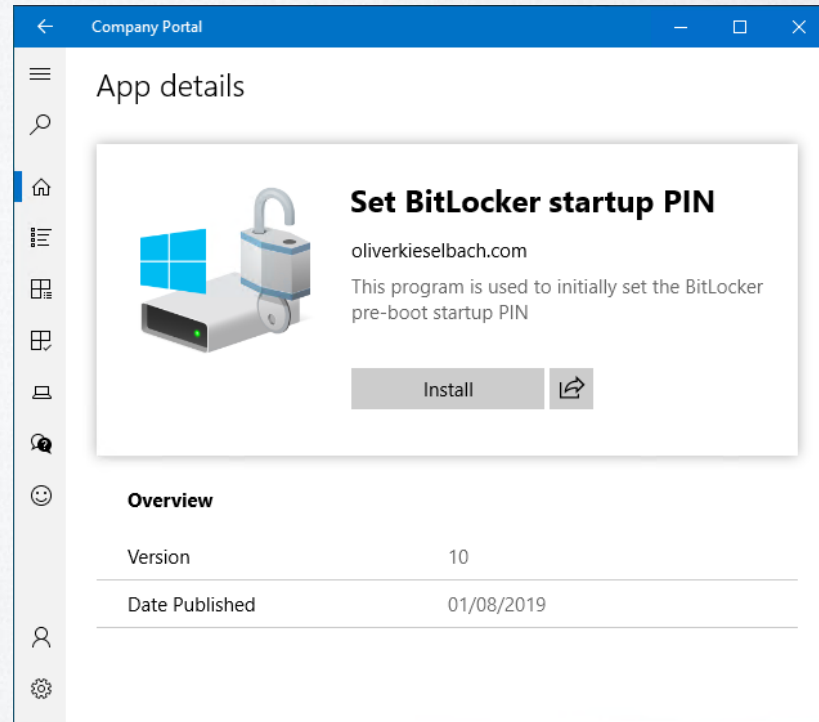
BitLocker startup PIN (C:)

**Set BitLocker startup PIN**

Choose a PIN that's 8-20 numbers long.


New PIN

Re-type PIN



Company Portal


## App details



### Set BitLocker startup PIN

oliverkieselbach.com

This program is used to initially set the BitLocker pre-boot startup PIN



### Overview

Version	10
Date Published	01/08/2019

# DCToolbox – Daniel Chronlund

## PowerShell Module

- Microsoft 365 Security
- Conditional Access
- And more...

```
TERMINAL  PROBLEMS  OUTPUT  DEBUG CONSOLE

PS C:\Users\DanielChronlund> Get-DCHelp

          _ _ _ _ _
         / / / / /
        / / / / /
       / / / / /
      / / / / /
     / / / / /
    / / / / /
   / / / / /
  / / / / /
 / / / / /
/ / / / /

A PowerShell toolbox for Microsoft 365 security fans.

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Author: Daniel Chronlund
Version: 1.0.2

This PowerShell module contains a collection of tools for Microsoft 365 security tasks, Microsoft Gra
trust strategies, attack and defense scenarios, etc.

The home of this module: https://github.com/DanielChronlund/DCToolbox

Please follow me on my blog https://danielchronlund.com, on LinkedIn and on Twitter!

@DanielChronlund

To get started, explore and copy script examples to your clipboard with:
```



# Device validation tool - Shishir kushawaha

- Validate AutoPilot deployed device
- Validate drivers
- Generate validation report in HTML

The screenshot shows the 'Autopilot/Imaging post Validations' window. It features a 'System' section with a table of device details, an 'XML Validation' section with various checkboxes, and an 'Information' section with links to system details. A yellow status bar at the bottom indicates 'Finished validating applications.' and the timestamp '19-04-2023 10:11:1'.

**System**

Name	OS	OS Version	Make
IN-SHISHIR	Microsoft Windows 11 Pro	10.0.22621	ASUSTeK COMPUT

Disk Utilization: 53%

**XML Validation**

☐ Application ☐ Registry ☐ File ☐ Folder ☐ Custom Script

**Full Name** | **Version**

7-Zip 21.06 (x64)	21.06
Teams Machine-Wide Installer	1.2.0.3961
VMware Horizon Media Redirection for Microsoft Teams	8.0.0
Microsoft Teams	1.4.00.26376
VLC media player	3.0.16
Dropbox	171.4.6182
Dropbox Update Helper	1.3.733.1
NA	NA
Microsoft 365 Apps for business - en-us	16.0.16227.20280

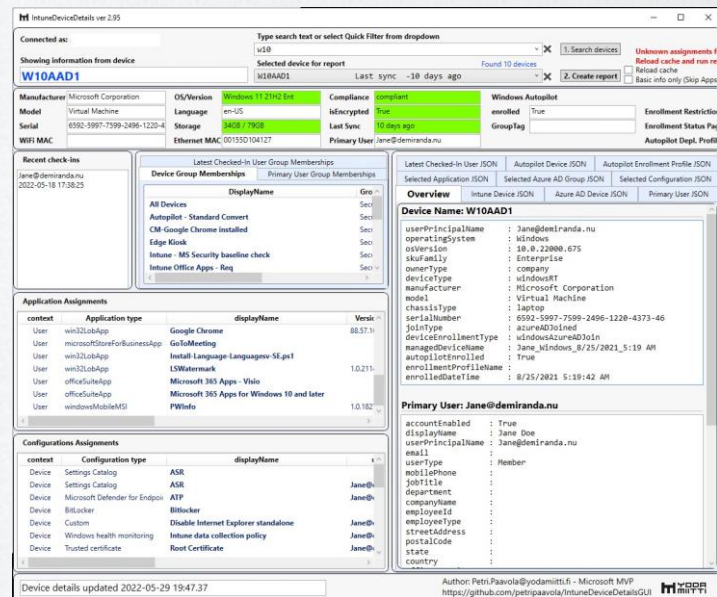
**Information**

- 
- 
- 
- 
- 
- 
- 

Finished validating applications. 19-04-2023 10:11:1

# Intune Device Details GUI – Petri Paavola

- Shows relevant device info
- Targeted apps and configuration profiles
- Including how Apps and Configuration Profiles are targeted
- Autopilot information
- And much more



# Intune Logreader - Petri Paavola

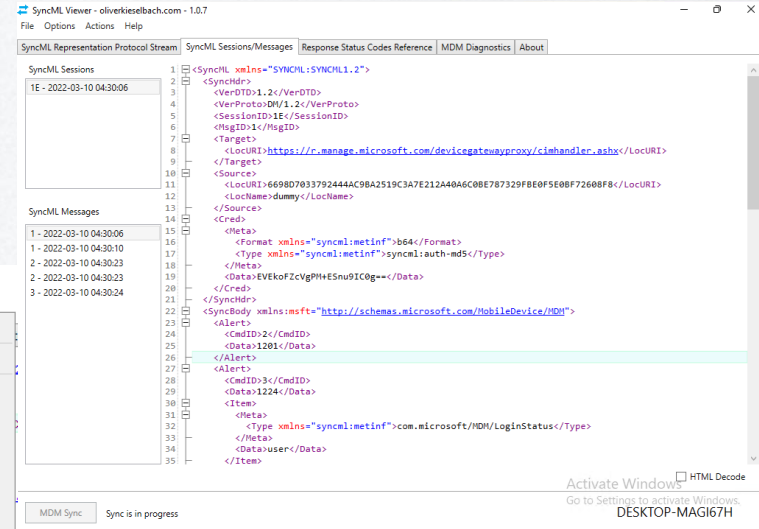
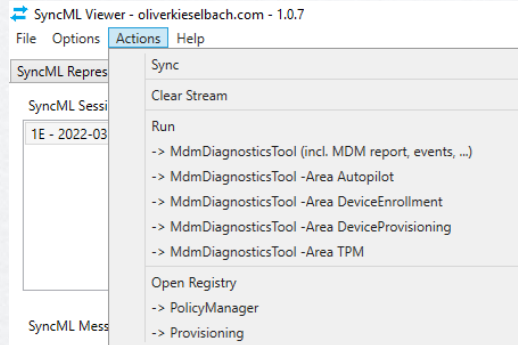
- Analyzes Microsoft Intune Management Extension (IME) log(s)
- Timeline of events
- Capable LogViewer





# SyncMLViewer – Oliver Kieselbach

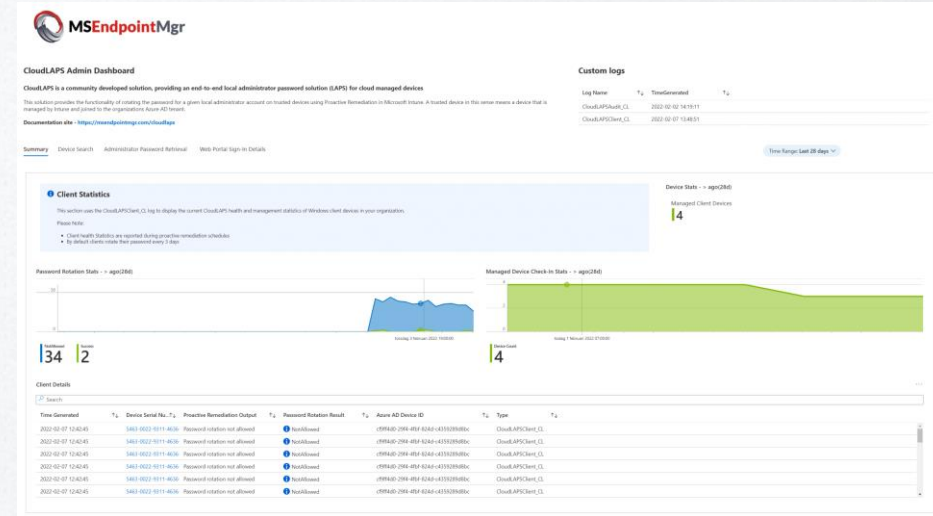
- Easily troubleshoot the SyncML stream
- MDM Sync
- Run MDMDiagnosticsTool
- Open registry





# CloudLAPS Community Edition – Nickolaj Andersen

- Native Azure AD Solution
- Rotating the passwords
- Powered by Proactive Remediation
- Access to Passwords through a web-based portal



# Automatic Microsoft 365 Documentation – Thomas Kurth

Automatic Intune and Conditional Access Documentation to simplify the life of admins and consultants.

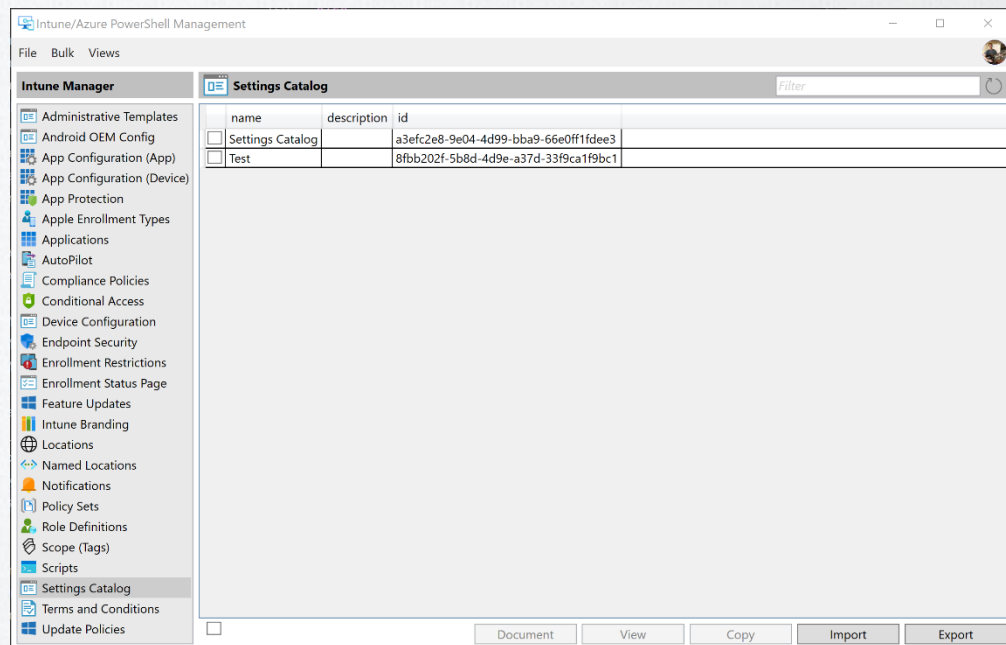
- Configuration Policies
- Compliance Policies
- Device Enrollment Restrictions
- Terms and Conditions
- Applications (Only Assigned)
- Application Protection Policies
- AutoPilot Configuration
- Enrollment Page Configuration
- Custom Roles



# Intune Management – Micke Karlsson

The tools of all tools!

- Copy
- Export
- Import
- Backup
- Duplicate
- Compare
- Document
- Delete
- and much more!





# Intune Drive Mapping Generator

- Generates Intune Ready PowerShell scripts
- Map file shares
- Create a Scheduled Task
- No scripting skills required
- Walkthrough video

Intune Drive Mapping Generator Generator

Documentation

## Intune Drive Mapping Generator

Generate Intune ready PowerShell scripts to map file shares on Windows 10 clients. Without scripting effort.

0. (Optional) Export your existing group policy configuration which contains the network drive configuration to an xml file
1. Upload the configuration or generate a new one from scratch in the [intune-drive-mapping-generator](#)
2. Download your generated PowerShell script
3. Deploy the PowerShell script with Microsoft Intune

[Walkthrough Video by Intune Training](#)

[View this project on GitHub](#)





# SCRIPT VIEWER – Trevor Jones

- View all your PowerShell scripts in Intune
- Great for troubleshooting

```
## #####  
## SCCM Client Installer ##  
## #####  
  
# Installs the SCCM client (if not already installed) via Cloud Management Gateway downloading binaries from Azure  
  
# Check if SCCM client is already installed  
$CCMClient = Get-ChildItem HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall | Where {$_.GetValue('DisplayName') -eq "i  
  
If (!$CCMClient)  
{  
    # Create temp directory if not exist  
    If (!(Test-path $env:SystemDrive\Temp))  
    {  
        $null = New-Item -Path $env:SystemDrive -Name Temp -ItemType Directory -Force  
    }  
    # Disables the Eject Disk Wizard  
}
```

Filename: Install-SCCMClient.ps1 | Run as 32-bit: False | Enforce signature check: False | Run as account: system |  
Created: 06/08/2020 21:21:35 | Modified: 06/08/2020 21:21:35 | Description:  
Select a script TenantId: 7319f1ed-...-8443-d9b052ab9100 Account: trevor@smsagent.blog



# Win32App Migration Tool

- Do the scoping and heavy lifting for you as you consider building Win32apps in Intune while using your ConfigMgr apps as a reference.
- Inventory ConfigMgr Applications and Deployment Types, build .intunewin files and create Win32apps directly in the MEM admin center.

	BETA	RELEASE	GA
PowerShell Module	X	X	X
Gather Application Details	X	X	X
Gather Deployment Details	X	X	X
Gather Content	X	X	X
Export Logo	X	X	X
Create .Intunewin	X	X	X
Gather Application Behaviour		X	X
Gather Requirements		X	X
Gather Detection Rules		X	X
Configuration manager Console Extension		X	X
Create Win32app in Intune			X
- Populate Common Application Details			X
- Assign Application Logo			X
- Populate Install Command			X
- Populate Uninstall Command			X
- Populate Requirements			X
- Populate Detection Rules			X

Win32 App Migration Tool Development Release Cycle



# Intunewin Build and Extract - Damien Van Robaey

Build IntuneWin  
Extract IntuneWin

Intunewin - Build and Extract - v1.3

☐ Build

☐ Extract

☐ About

**PACKAGE SOURCES**

C:\Users\1706yt\OneDrive - GRTgaz\MonProfil\Deskto

**APPLICATION NAME**

File to run Cisco\_StopSharedAccess.ps1

File name You can change the intunewin name here (optional)

**LOCATION OF THE INTUNEWIN**

D:\

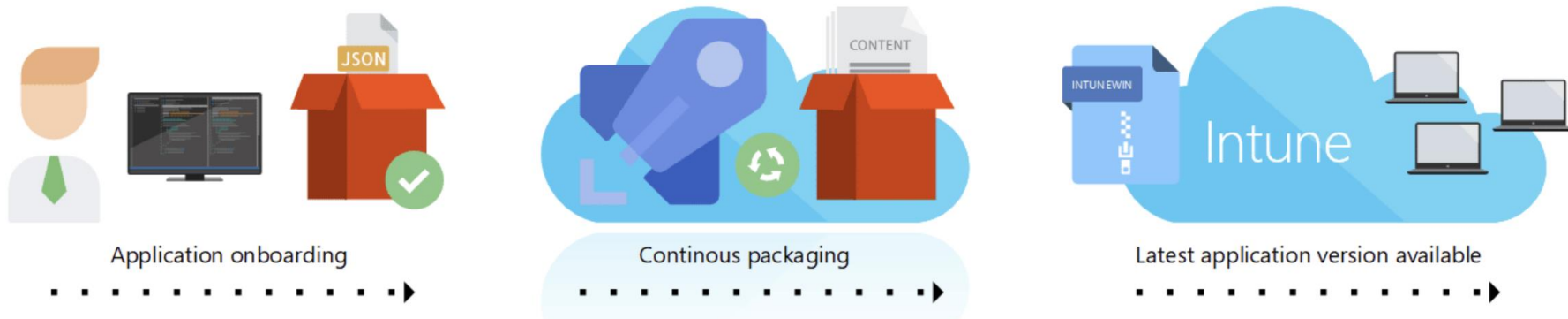
**BUILD THE INUNEWIN PACKAGE**



# Intune App Factory – Nickolaj Andersen

- Check for new available application versions
- Detect and download the latest application content
- Prepare and package the latest application
- Create the application in Intune

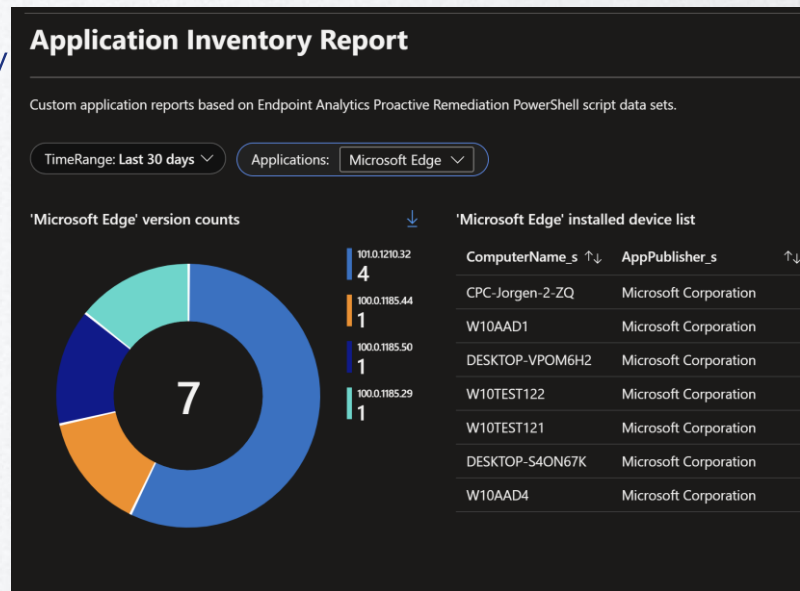
Intune App Factory is an automated solution that combines the flexibility and power of Azure DevOps Pipelines together with the IntuneWin32App PowerShell module, intended to simplify and streamline the application packaging process in Intune.





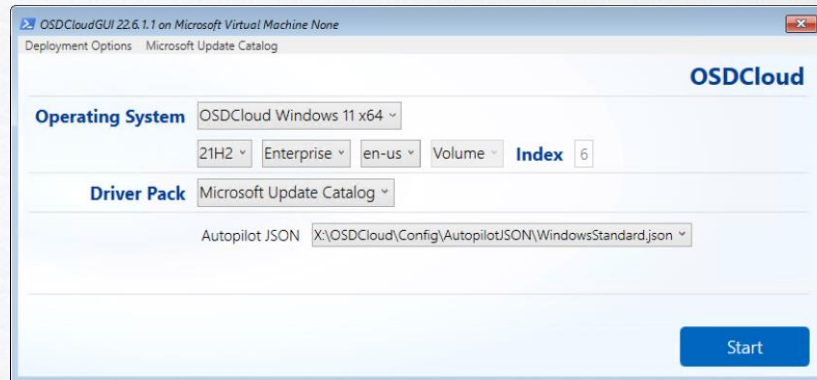
# Enhanced Intune Inventory – MSEndpointMgr

- Proactive Remediation script
- Device Inventory & Application inventory
- Write information to Log analytics
- Sample Workbooks



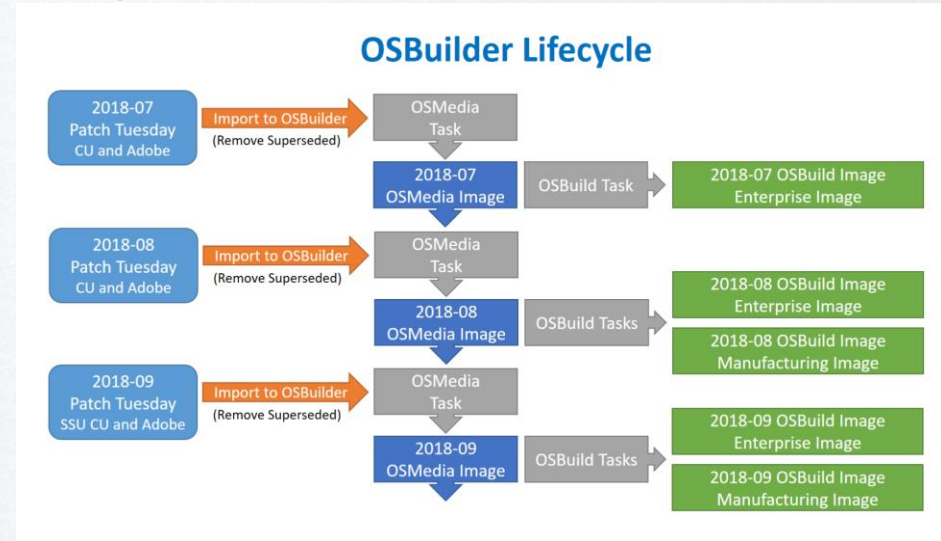
# OSDCloud – David Segura

- Bootable WinPE/WinRE
- Wi-Fi support
- Add drivers for
  - Wmware
  - HP
  - Dell
  - Surface
- Autopilot, OOB E customization.
- Downloads OS from Microsoft



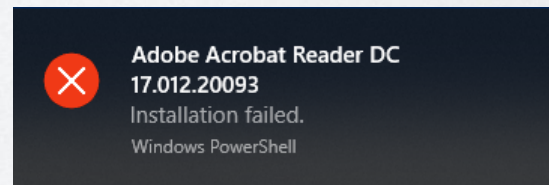
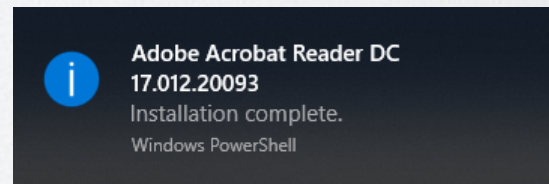
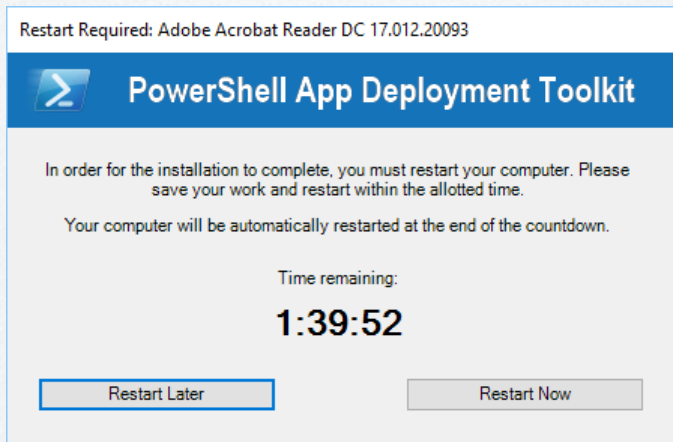
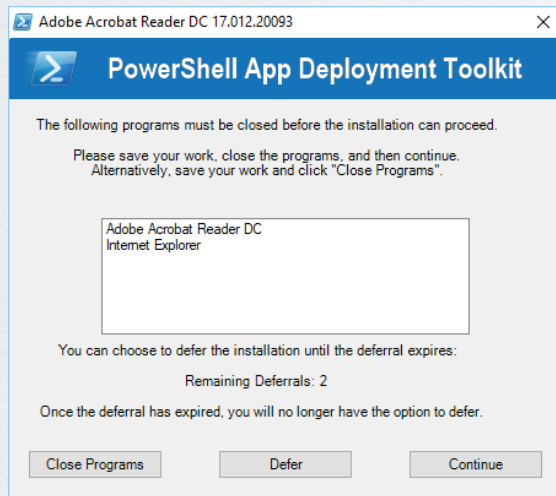
# OSBuilder – David Segura

- PowerShell module
- Offline servicing of Windows OS Images
- Install Updates
- Add customizations
- And more...



# PowerShell App Deployment Toolkit

Project launched in August 2013 by Seán Lillis and Dan Cunningham







# Intune Backup / Restore PowerShell module – John Seerdan

## Backup actions

- Administrative Templates (Device Configurations)
- Administrative Template Assignments
- App Protection Policies
- App Protection Policy Assignments
- Client Apps
- Client App Assignments
- Device Compliance Policies
- Device Compliance Policy Assignments
- Device Configurations
- Device Configuration Assignments
- Device Management Scripts (Device Configuration -> PowerShell Scripts)
- Device Management Script Assignments
- Proactive Remediations
- Proactive Remediation Assignments
- Settings Catalog Policies

## Intune Backup & Restore

PSGallery Version **v3.2.0** PSGallery Downloads **30k**

This PowerShell Module queries Microsoft Graph, and allows for cross-tenant Backup & Restore actions of your Intune Configuration.

Intune Configuration is backed up as (json) files in a given directory.

## Installing IntuneBackupAndRestore

```
# Install IntuneBackupAndRestore from the PowerShell Gallery
Install-Module -Name IntuneBackupAndRestore
```



# IntuneCD – Tobias Almen

- Backup
- Restore
- Compare
- Use in a Pipeline

```
No difference found for Shell script: MunkiR
No difference found for Shell script: MunkiReportAlmen
No difference found for Powershell script: demoscrypt
No difference found for Settings Catalog policy: winscdemo
No difference found for Settings Catalog policy: macscdemo
No difference found for Filter: sharedd
No difference found for Message Template: demo
No difference in locale en-us found for Message Template: demo
No difference in locale sv-se found for Message Template: demo
Checking if Intent: winasrdemo has any upates
Checking if Intent: macavdemo has any upates
Checking if Intent: secblinedemo has any upates
Checking if Intent: macfwdemo has any upates
Checking if Intent: winapdemo has any upates
Checking if Intent: winavdemo has any upates
Checking if Intent: winencdemo has any upates
Updating Intent settings: deviceConfiguration--windows10EndpointProtectionCo
{"root['valueJson']", {'new_value': '{"encryptionMethod":null,"requireEncryp
[{"encryptionMethod":null,"requireEncryptionForWriteAccess":false,"blockCross
Checking if Intent: winfwdemo has any upates
Updating Intent settings: deviceConfiguration--windows10EndpointProtectionCo
{"root['valueJson']", {'new_value': 'true', 'old_value': 'false'}}
{"root['value']", {'new_value': True, 'old_value': False}}
```



# Community tools and support

- Follow the author on Twitter
- Verify the author
- Test it in a test environment
- Make sure to update to latest version





Please fill out the  
evals in the Yellenge  
app!







# Link

Intune Maps - <https://intunemaps.com/>

Rockn Roll Tool - <https://www.rockenroll.tech/>

Intune Tool Box - <https://jannikreinhard.com/2022/07/07/intune-tool-box-rebuild-of-intune-in-powershell/>

Proactive remediation repo - <https://github.com/JayRHa/EndpointAnalyticsRemediationScripts>

System Information and Self- service tool - <https://jannikreinhard.com/2023/01/01/system-information-and-self-service-tool/>

Bitlocker Pin – Intune - <https://oliverkieselbach.com/2019/08/02/how-to-enable-pre-boot-bitlocker-startup-pin-on-windows-with-intune/>

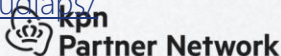
DCToolbox - <https://danielchronlund.com/2020/11/09/dctoolbox-powershell-module-for-microsoft-365-security-conditional-access-automation-and-more/>

Device validation Tool - <https://www.powerofpowershell.com/post/device-validation-with-powershell-wpf-gui-post-imaging-or-autopilot>

Intune Device Deatils UI - <https://github.com/petripaavola/IntuneDeviceDetailsGUI>

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

Cloud Laps Community Edition - <https://msendpointmgr.com/cloudlaps/>





# Link

Intune Script Viewer - <https://smsagent.blog/2022/05/11/script-viewer-for-microsoft-endpoint-manager>

Automatic Microsoft 365 Documentation - [Automatic Intune Documentation evolves to Automatic Microsoft 365 Documentation - Workplace Ninja's \(wpnijas.ch\)](#)

Intune Management - <https://github.com/Micke-K/IntuneManagement>

Intune Drive Mapping Generator - <https://intunedrivemapping.azurewebsites.net/>

Win32App Migration Tool - <https://msendpointmgr.com/2021/03/27/automatically-migrate-applications-from-configmgr-to-intune-with-the-win32app-migration-tool/>

IntuneWin Build and Extract - <https://www.systanddeploy.com/2023/05/intunewin-build-and-extract-tool-to.html>

Enhanced Inventory Intune - <https://msendpointmgr.com/2022/01/17/securing-intune-enhanced-inventory-with-azure-function/>

OSDCloud - <https://www.osdcloud.com/>

OSBuilder - <https://osdbuilder.osdeploy.com/>

PSAppdeployment toolkit - <https://psappdeploytoolkit.com/>

Intune Backup / Restore PowerShell module - <https://github.com/jseerden/IntuneBackupAndRestore>

IntuneCD - <https://almenscorner.io/introducing-intuneecd-tool/>

