Closing the gaps with just4clicks (Co-Management)

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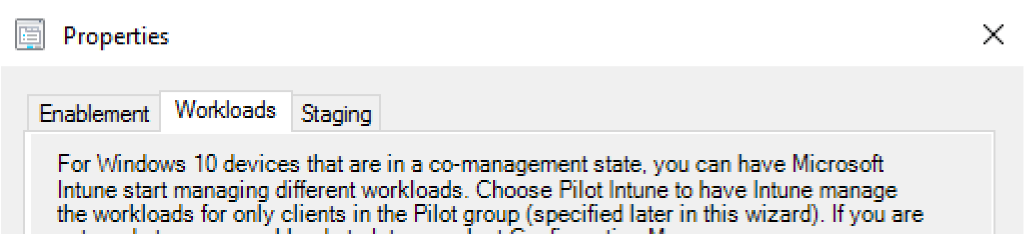
Key Takeaways

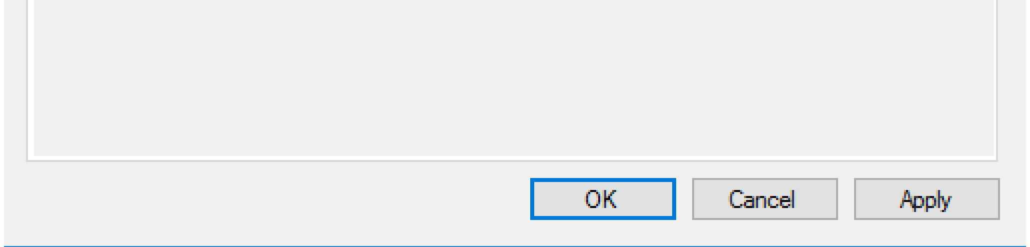
- What does Co-Management mean?
- Pre-requirements
- And most important! Why do we need it?
- Scenarios and Examples

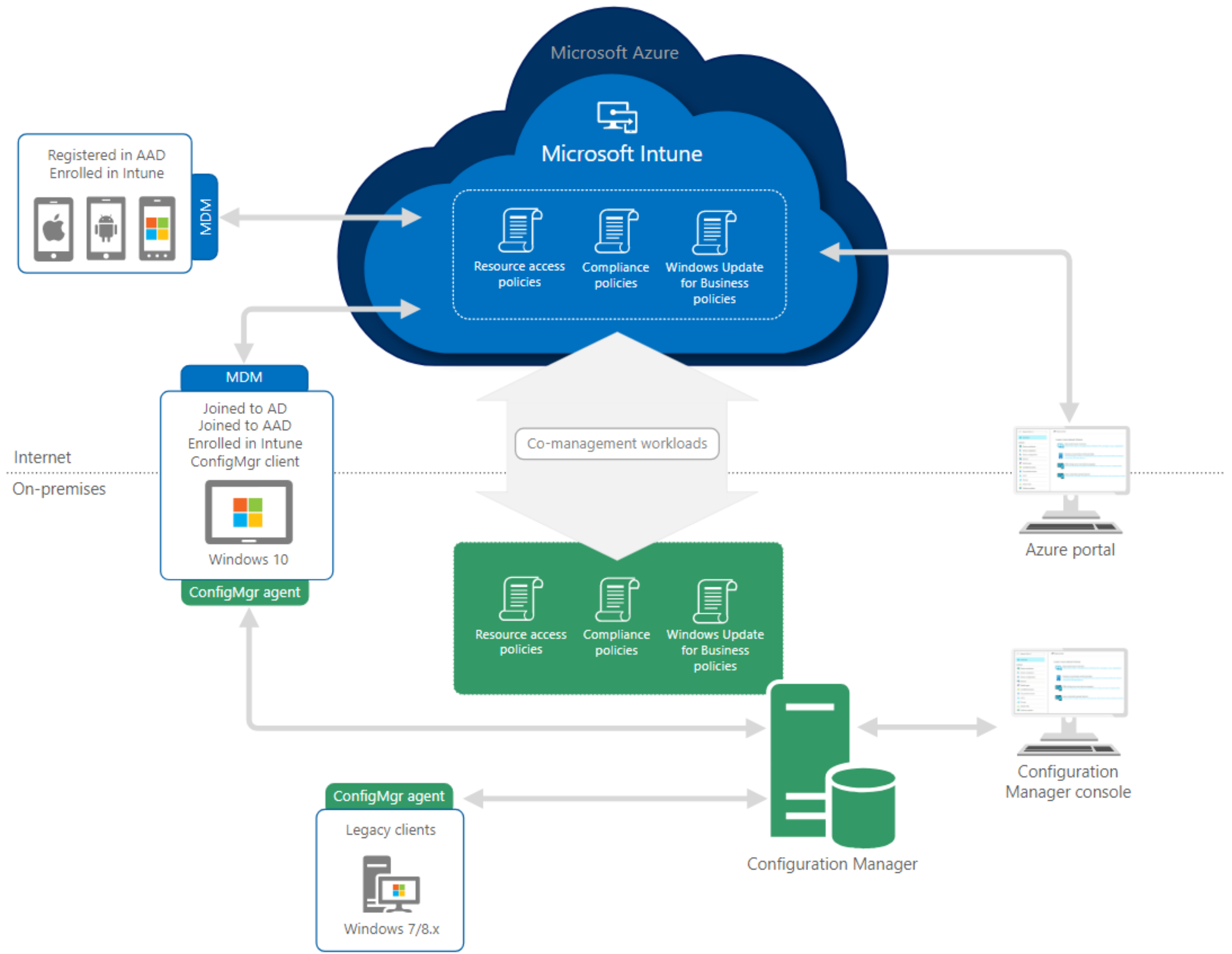
Co-Management

Introduction

Co-Management







Microsoft Azure
Microsoft Intune
Resource access policies
Compliance policies
Windows Update for Business policies
Registered in AAD
Enrolled in Intune
MDM
MDM
Joined to AD
Joined to AAD
Enrolled in Intune
ConfigMgr client
Windows 10
ConfigMgr agent
Internet
On-premises
Co-management workloads
Azure portal
Resource access policies
Compliance policies
Windows Update for Business policies
Configuration Manager console
ConfigMgr agent
Legacy clients
Windows 7/8.x
Configuration Manager

Pre-requirements

Getting Started with Co-Management

- Configuration Manager version 1710 or later
- Azure AD
- EMS or Intune license for all users
- Azure AD automatic enrollment enabled
- Intune subscription (MDM authority in Intune set to **Intune**)

General Prerequisites

- Configuration Manager version 1710 or later
- Azure AD
- EMS or Intune license for all users
- Azure AD automatic enrollment enabled
- Intune subscription (MDM authority in Intune set to Intune)

Device Requirements

- Devices with the Configuration Manager client
  - Windows 10, version 1709 (also known as the Fall Creators Update) and later
  - Hybrid Azure AD joined (joined to AD and Azure AD)

- Devices without the Configuration Manager client
  - Windows 10, version 1709 (also known as the Fall Creators Update) and later
  - Cloud Management Gateway in Configuration Manager (when you use Intune to install the Configuration Manager client)

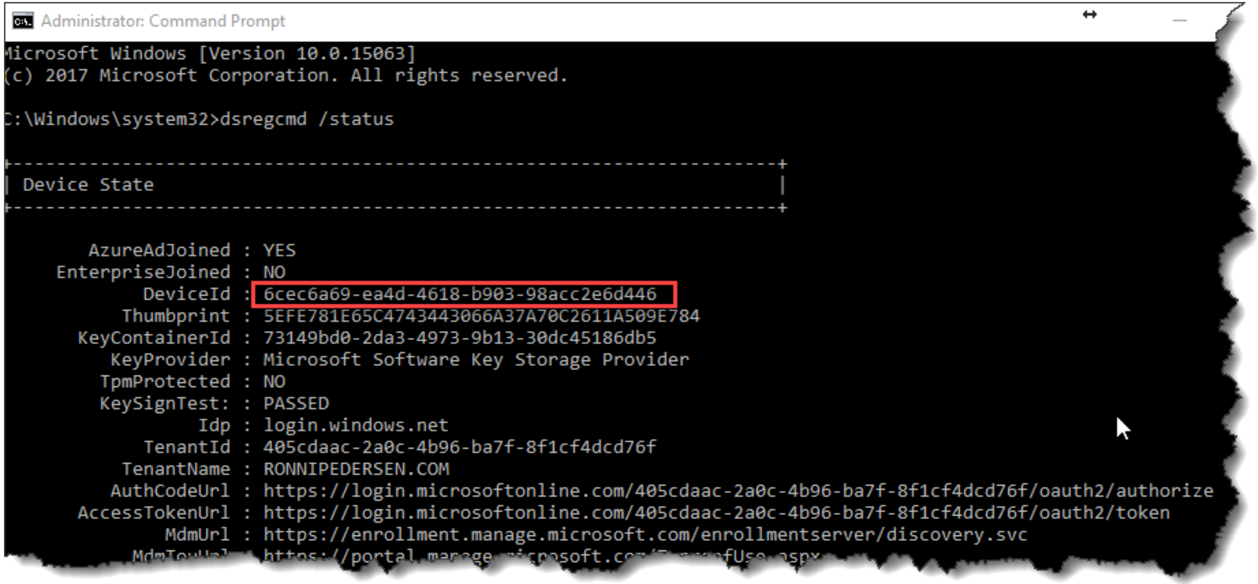
Azure AD Connector

- Must be up-to-date
- Computer Accounts must be included in the sync.

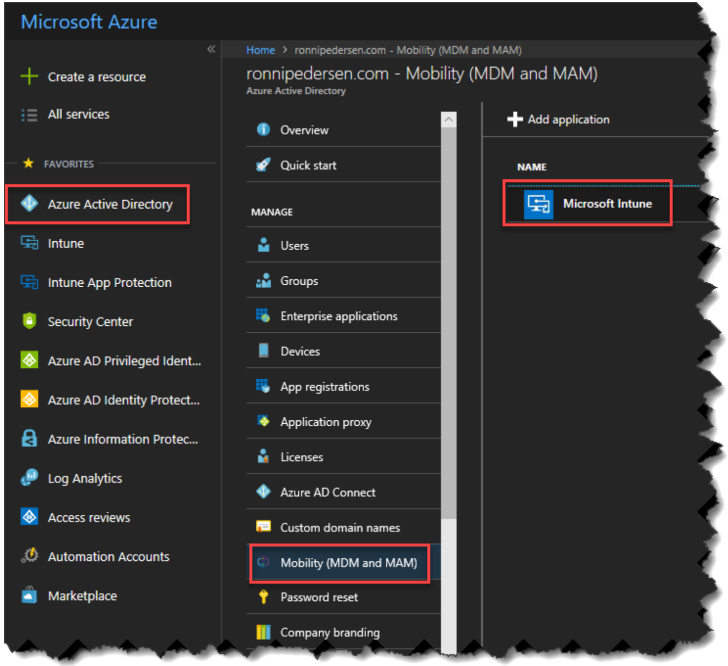
NAME	ENABLED	OS	VERSION	JOIN TYPE	OWNER	MDM	COMPLIANT
	Yes	Windows 10 Enterprise	10.0 (14393)	Hybrid Azure AD joined	N/A	None	N/A
	Yes	Windows 10 Enterprise	10.0 (16299)	Hybrid Azure AD joined	N/A	Microsoft Intune	N/A
	Yes	Windows 10 Pro	10.0 (14393)	Hybrid Azure AD joined	N/A	None	N/A
	Yes	Windows 10 Enterprise	10.0 (15063)	Hybrid Azure AD joined	N/A	None	N/A

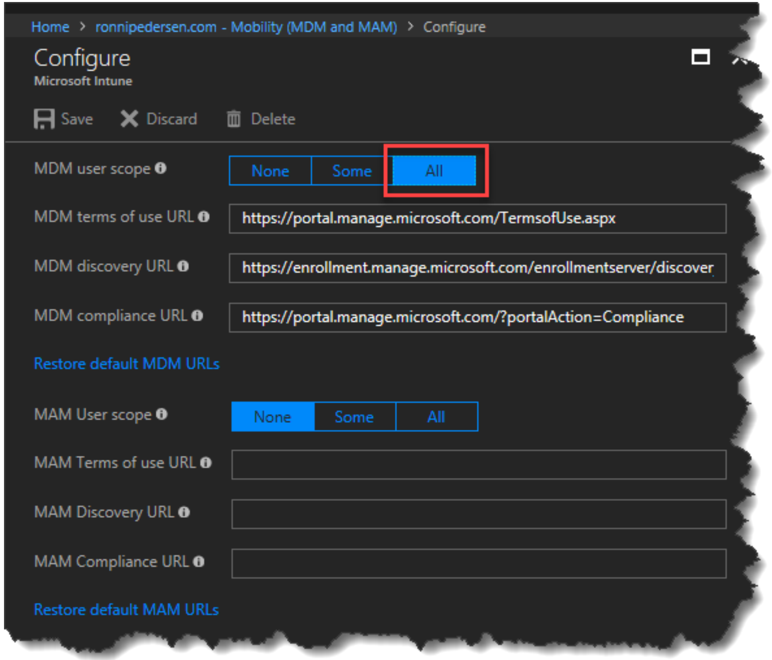
Hybrid Azure AD Joined

- Troubleshooting client registration
- Command: dsregcmd /status



Enable Azure AD automatic enrollment





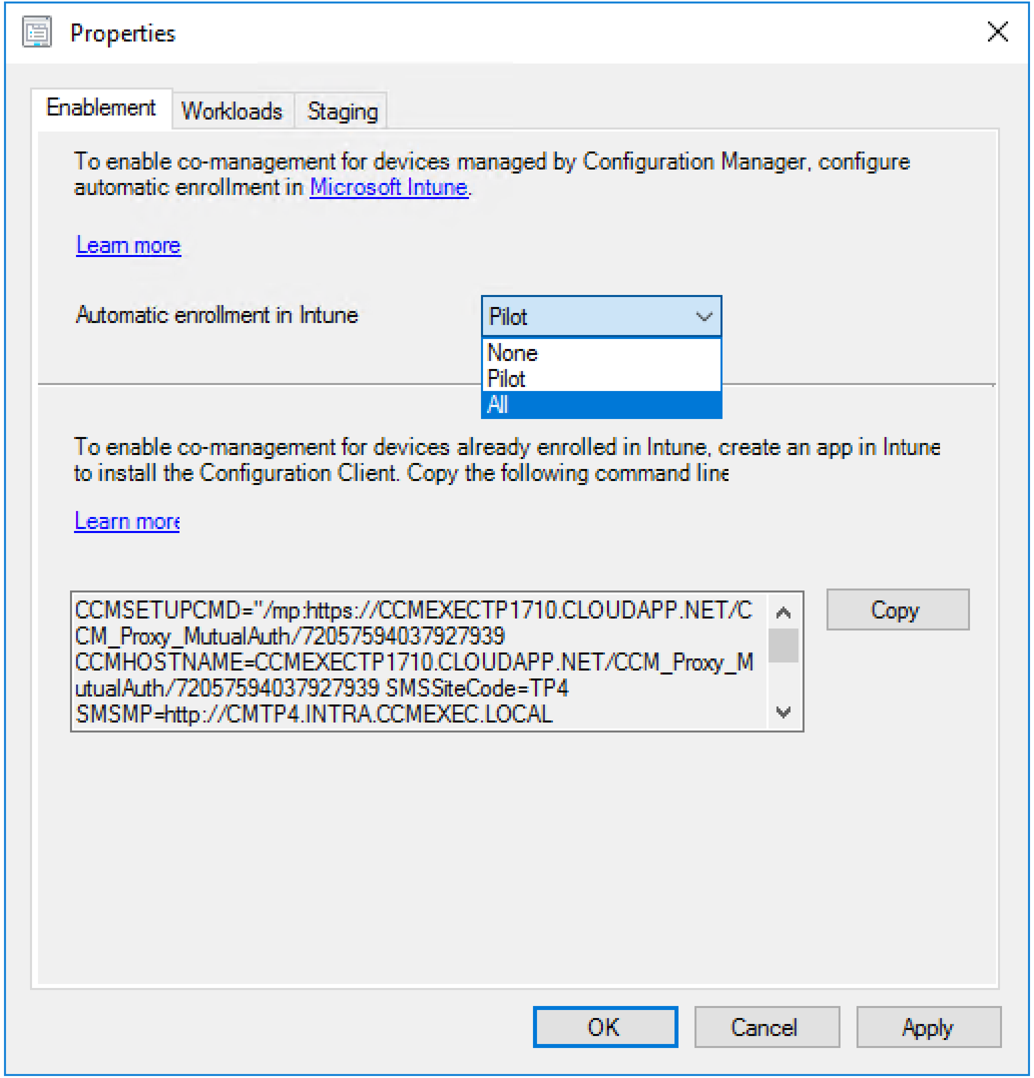
Migrate from Intune Hybrid to Standalone

- Document and renew all certificates
  - APN, DEP etc.
- Import Configuration Manager data to Microsoft Intune
  - Applications, Policies, etc.
- Prepare Intune for user migration
  - AAD Groups, Install NDES, Exchange Connector etc.
- Change the MDM authority for specific users (mixed MDM authority)
  - Remove the user from the Intune collection in ConfigMgr
  - Userless devices can be migrated using a script
- Change your MDM authority to Intune standalone

Intune data migration tool

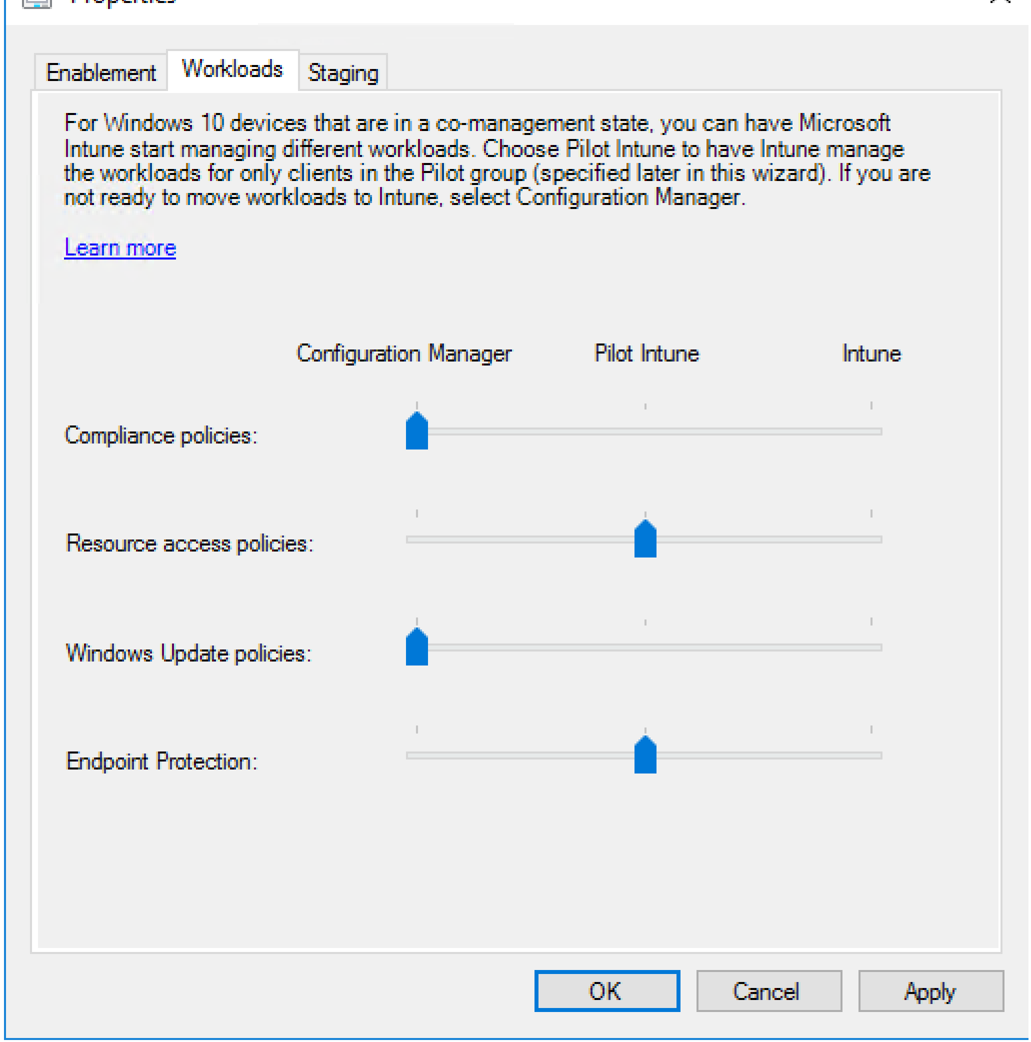
- Collects data about the objects you select from your Configuration Manager hierarchy.
- Provides details about the objects you can select for import and information about why some objects cannot be imported.
- Imports selected objects into your Microsoft Intune tenant.
  - Configuration items
  - Certificate profiles
  - Email profiles
  - VPN profiles
  - Wi-Fi profiles
  - Compliance policies
  - Apps
  - Deployments

Enable Co-Management


Properties
Enablement
Workloads
Staging
To enable co-management for devices managed by Configuration Manager, configure automatic enrollment in Microsoft Intune.
Learn more
Automatic enrollment in Intune
Pilot
None
Pilot
All
To enable co-management for devices already enrolled in Intune, create an app in Intune to install the Configuration Client. Copy the following command line
Learn more
CCMSETUPCMD="/mp:https://CCMEXECTP1710.CLOUDAPP.NET/CCM_Proxy_MutualAuth/72057594037927939 CCMHOSTNAME=CCMEXECTP1710.CLOUDAPP.NET/CCM_Proxy_MutualAuth/72057594037927939 SMSSiteCode=TP4 SMSMP=http://CMTP4.INTRA.CCMEXEC.LOCAL
Copy
OK
Cancel
Apply

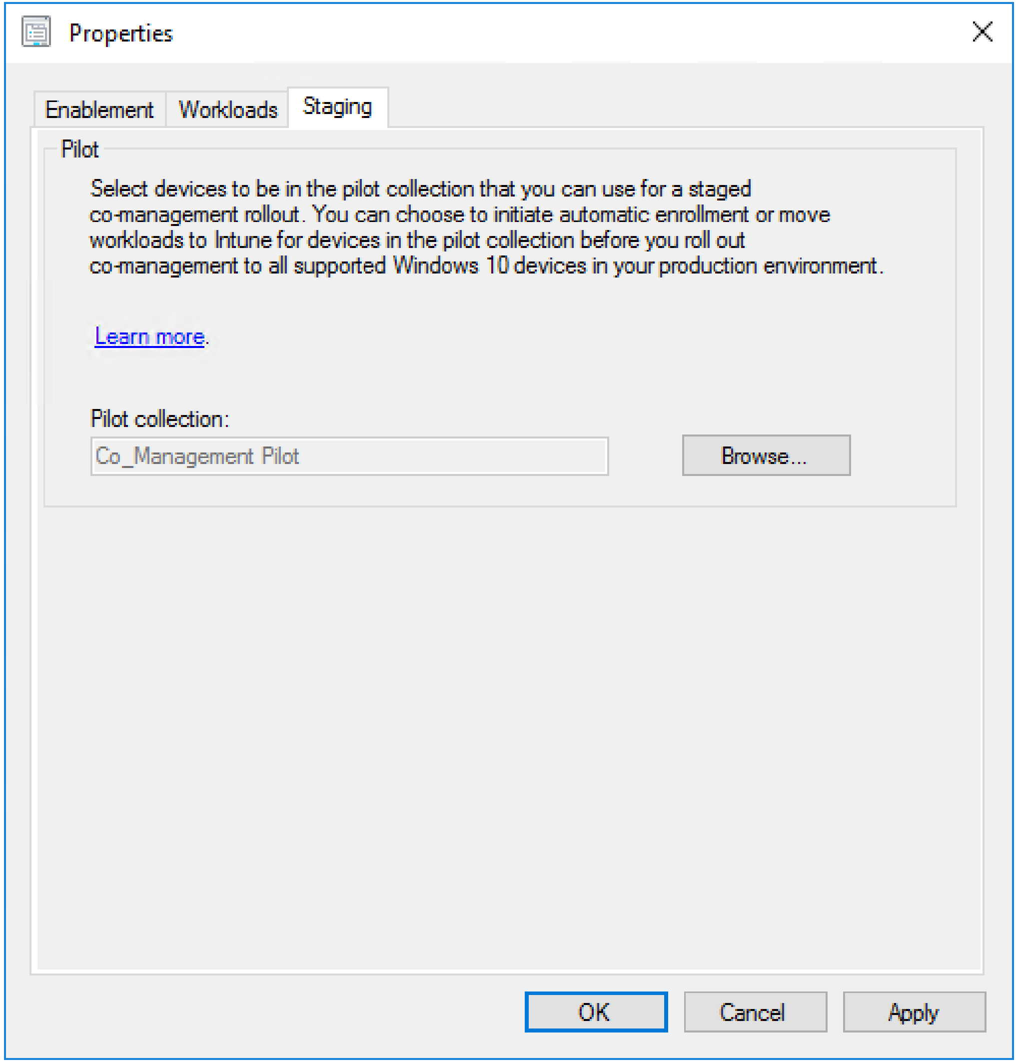
Workloads

- Compliance policies
- Resource access policies
- Windows Update policies
- Endpoint Protection(1802TP)



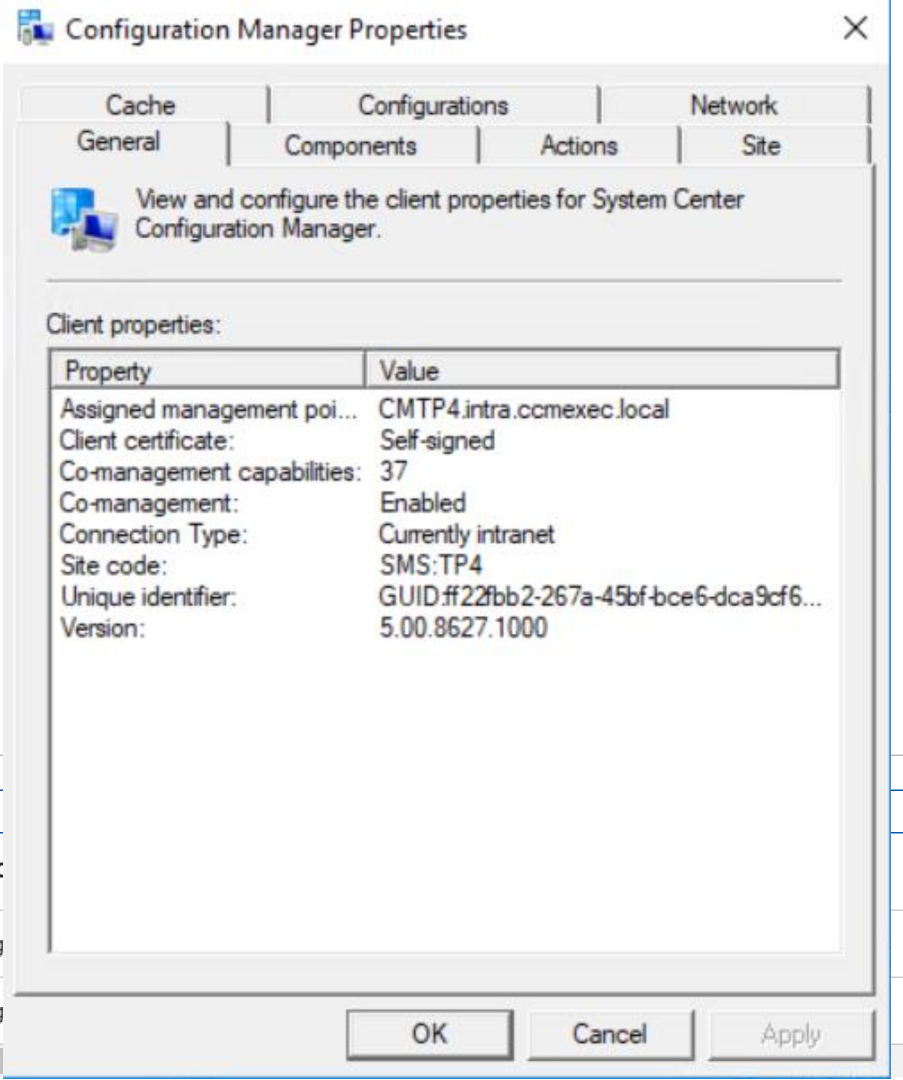
Staging

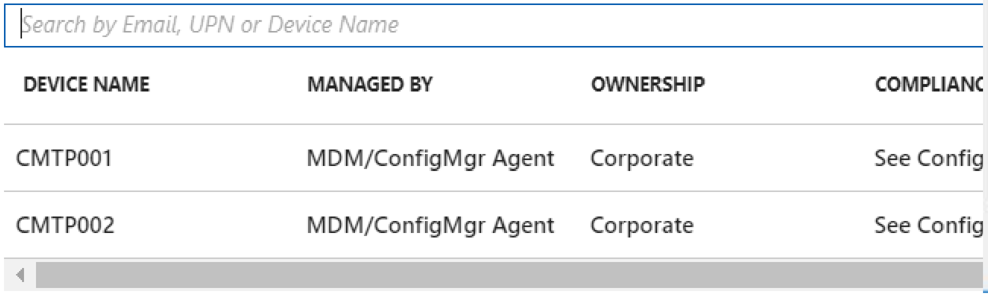
- Choose Pilot collection(if used)



Verifying

- Intune Portal
- Configuration Manager client
- Admin Console





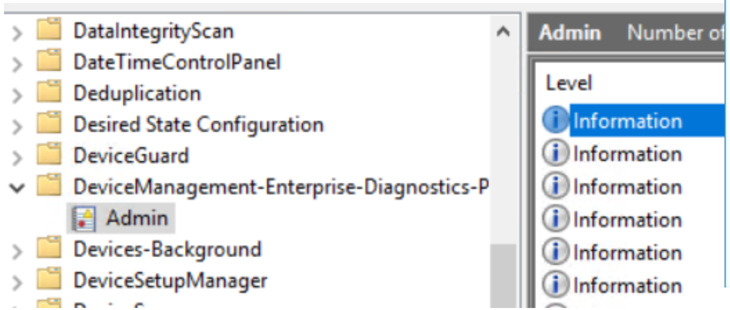
Troubleshooting

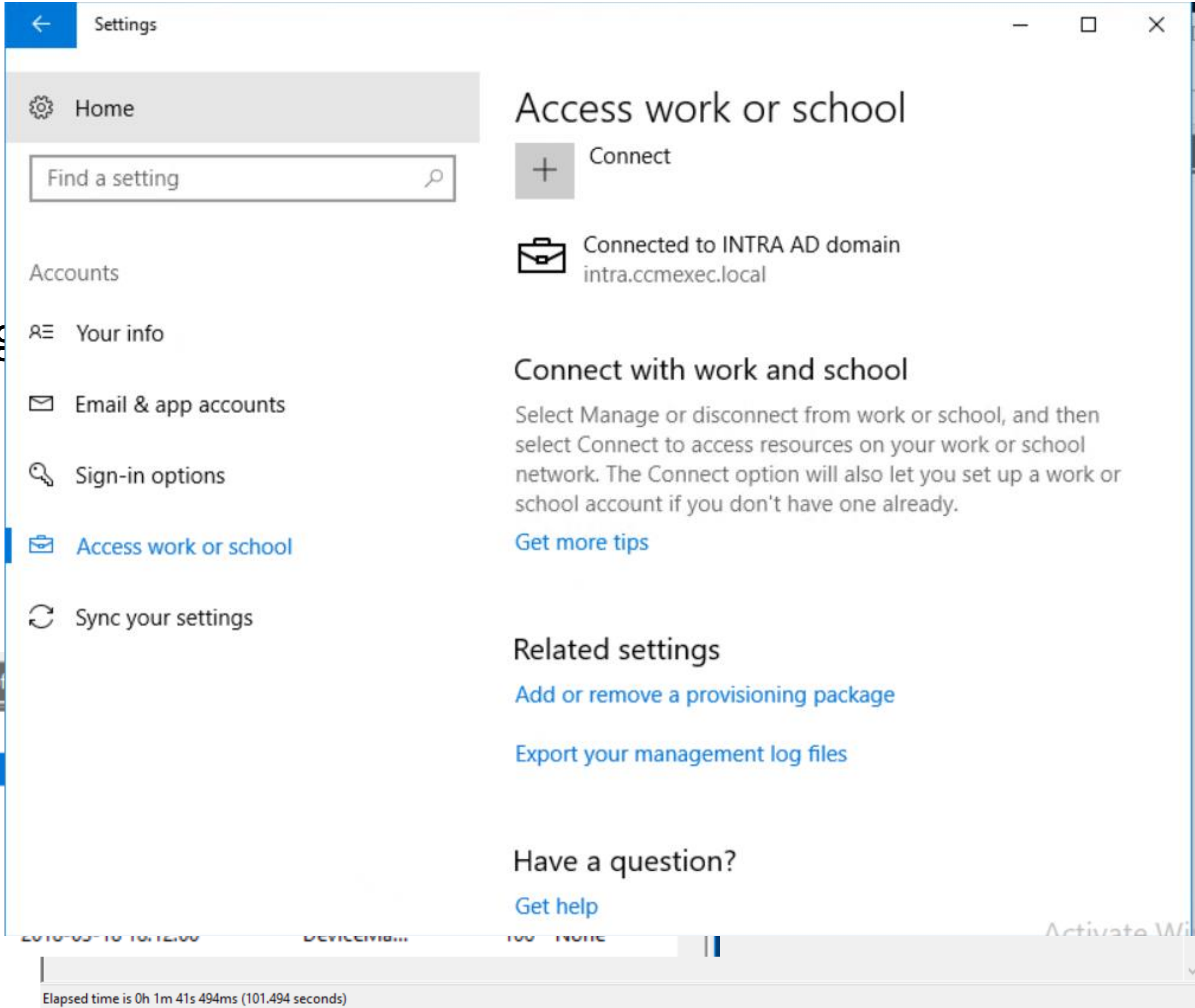
- New client log file:

CoMangementHandler.log

- Event log:

DeviceMangement-Enterprise-diagnostic-Provider





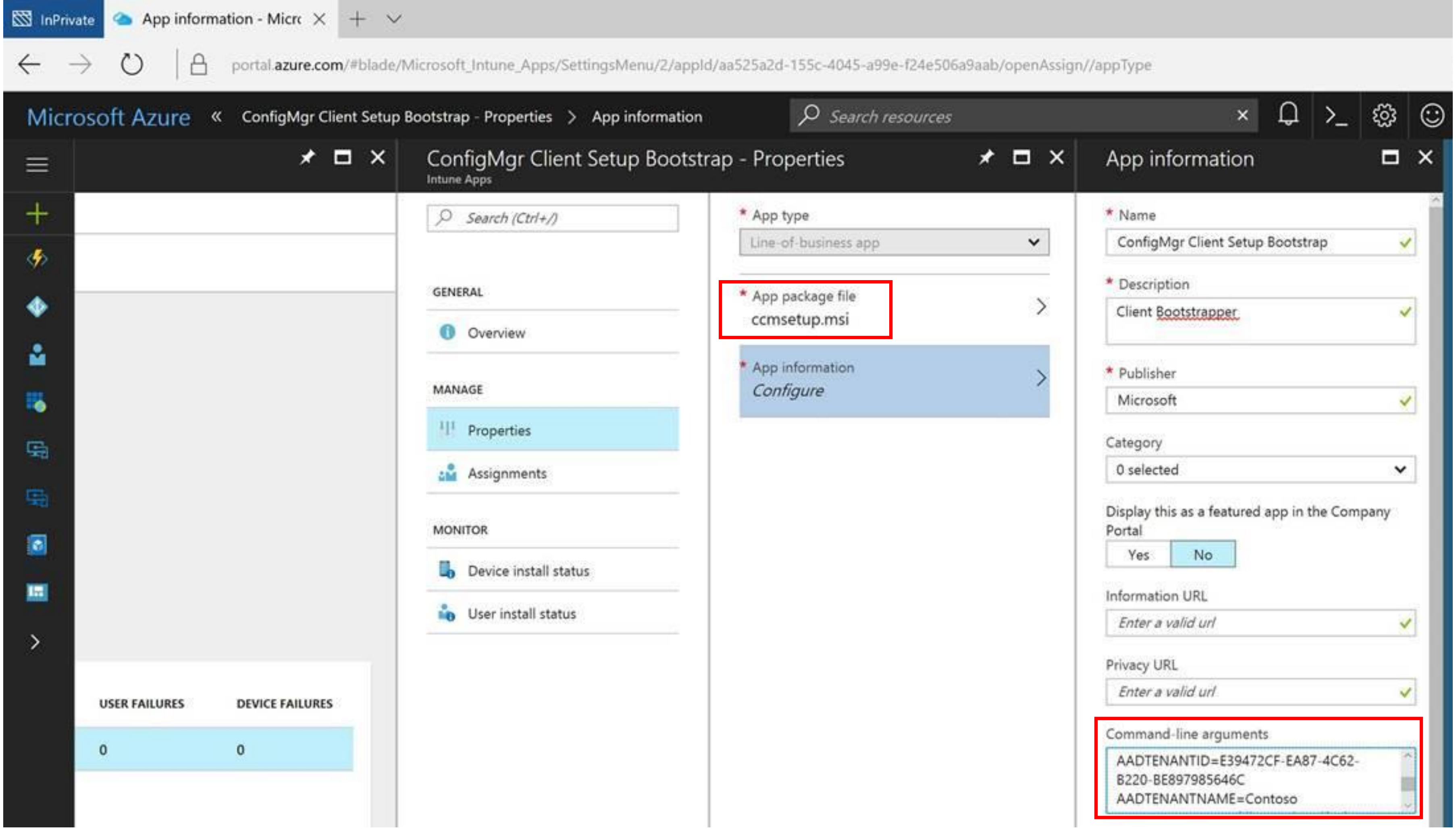
Common missunderstandings

- Co-Mangement requires Cloud Mangement Gateway and Cloud DP!
- Co-Management is only for AzureAD Joined computers
- Co-Management is to solve Intune shortcomings

Why Co-Management?!

Scenario – Azure AD Joined/Intune

- Windows Autopilot
- Make it possible to manage what Intune standalone cannot
  - Software Inventory
  - Reporting
  - Advanced App deployment
  - …….


InPrivate
App information - Micr
portal.azure.com/#blade/Microsoft_Intune_Apps/SettingsMenu/2/appId/aa525a2d-155c-4045-a99e-f24e506a9aab/openAssign//appType
Microsoft Azure
ConfigMgr Client Setup Bootstrap - Properties
App information
Search resources
ConfigMgr Client Setup Bootstrap - Properties
Intune Apps
Search (Ctrl+/)
GENERAL
Overview
MANAGE
Properties
Assignments
MONITOR
Device install status
User install status
USER FAILURES
DEVICE FAILURES
0
0
* App type
Line-of-business app
* App package file
ccmsetup.msi
* App information
Configure
App information
* Name
ConfigMgr Client Setup Bootstrap
* Description
Client Bootstrapper
* Publisher
Microsoft
Category
0 selected
Display this as a featured app in the Company Portal
Yes
No
Information URL
Enter a valid url
Privacy URL
Enter a valid url
Command-line arguments
AADTENANTID=E39472CF-EA87-4C62-B220-BE897985646C
AADTENANTNAME=Contoso

Scenarios– domain joined

- Factory reset as long as the client have Internet connectivity
- Reboot action
- Compliance policies for Conditional Access

New in 1802 - Dashboard