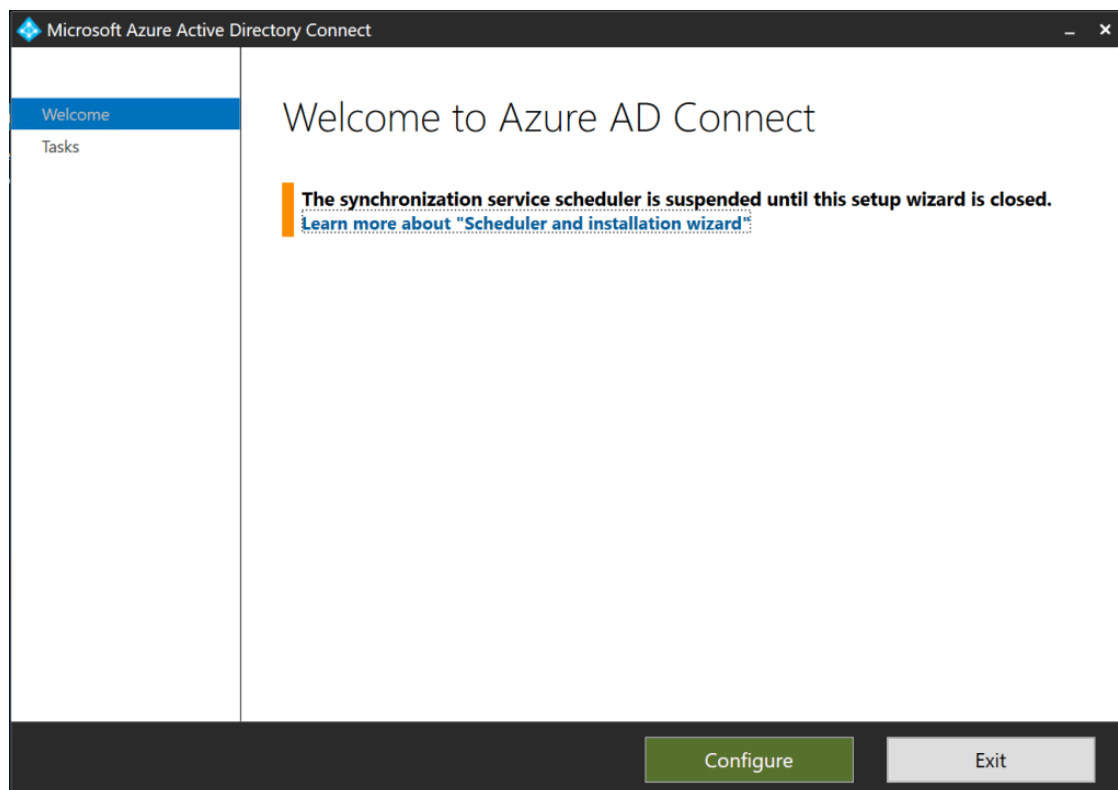
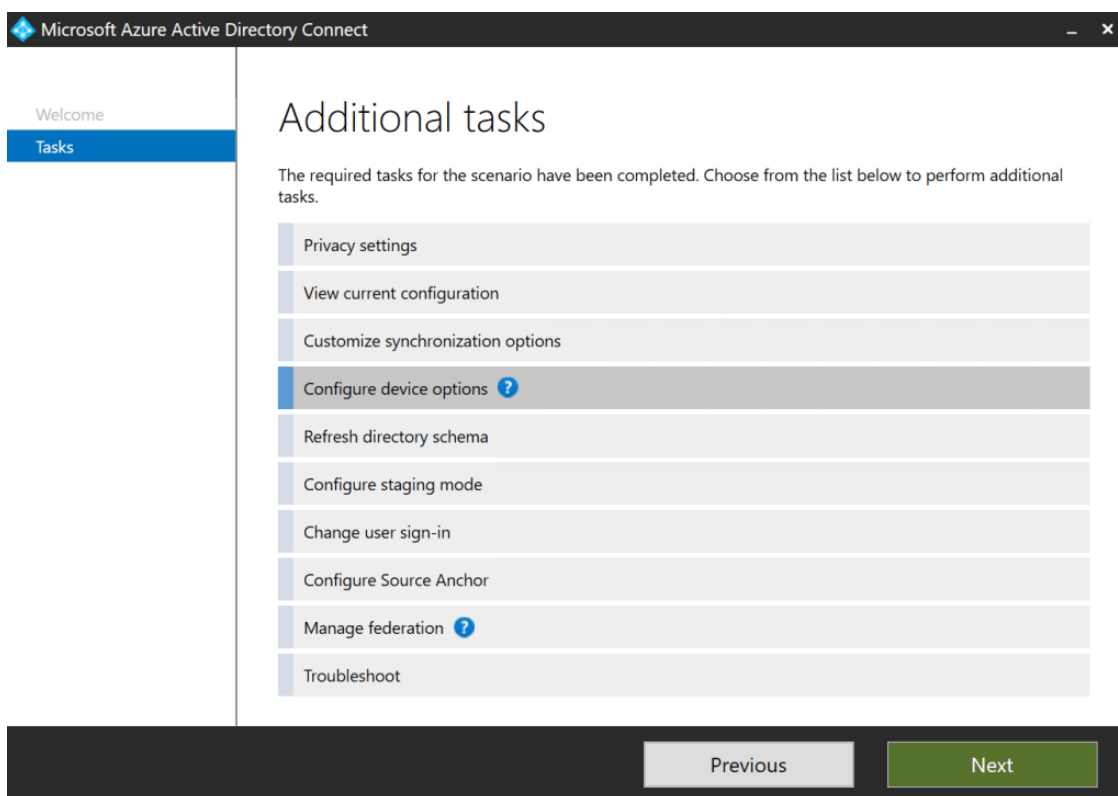


1. Configure Hybrid AD Join

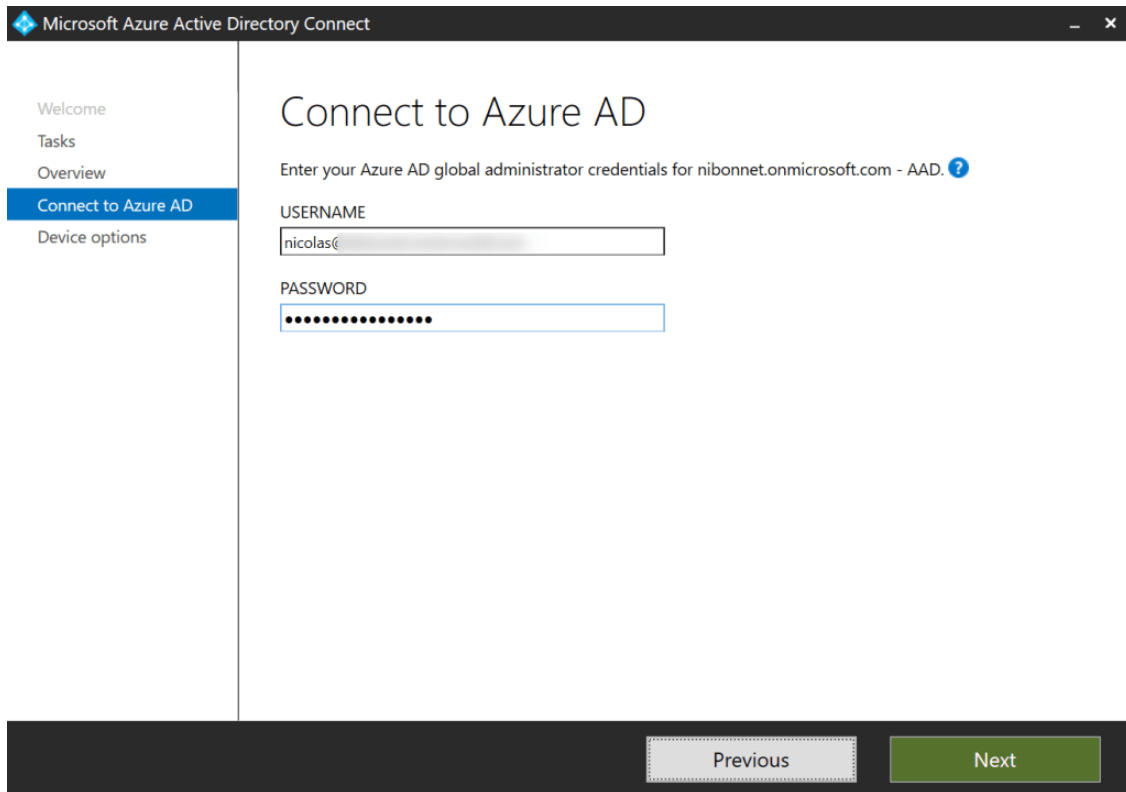
From the Azure AD Connect server, launch **Configuration Wizard** and click on **Configure**.



Click on **Configure device options** then on **Next**.

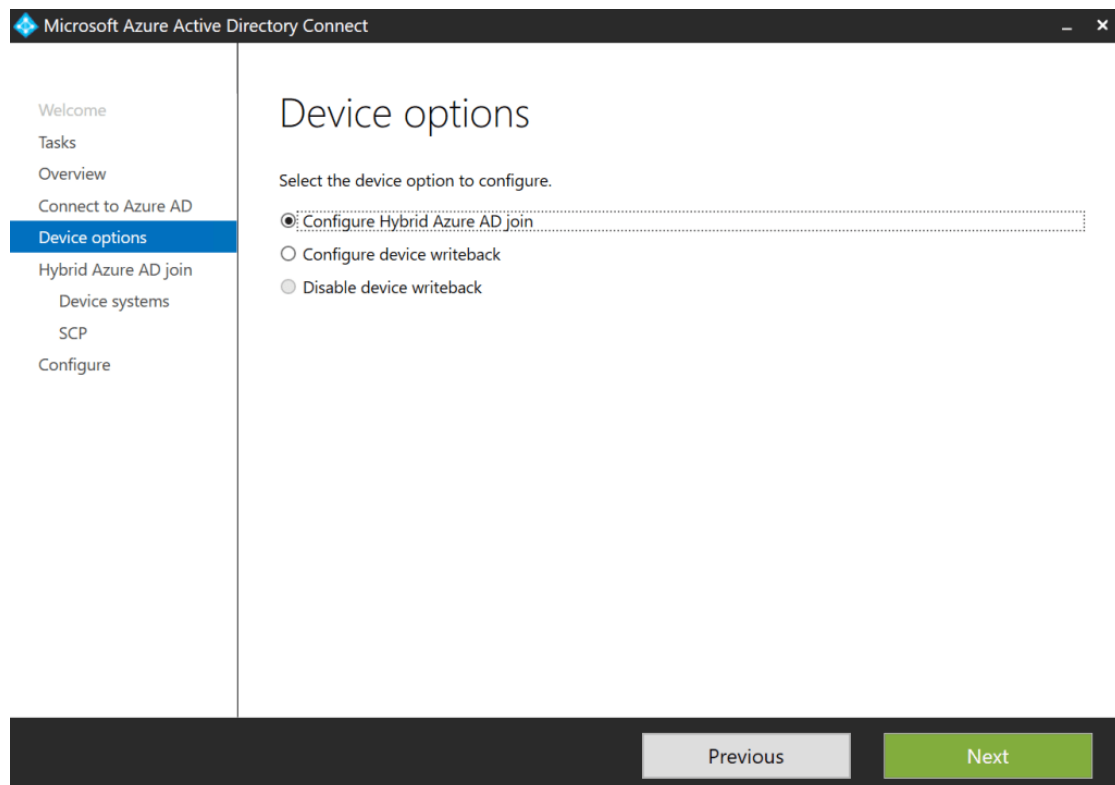


Enter credential of **Global Admin account** and click on **Next**.



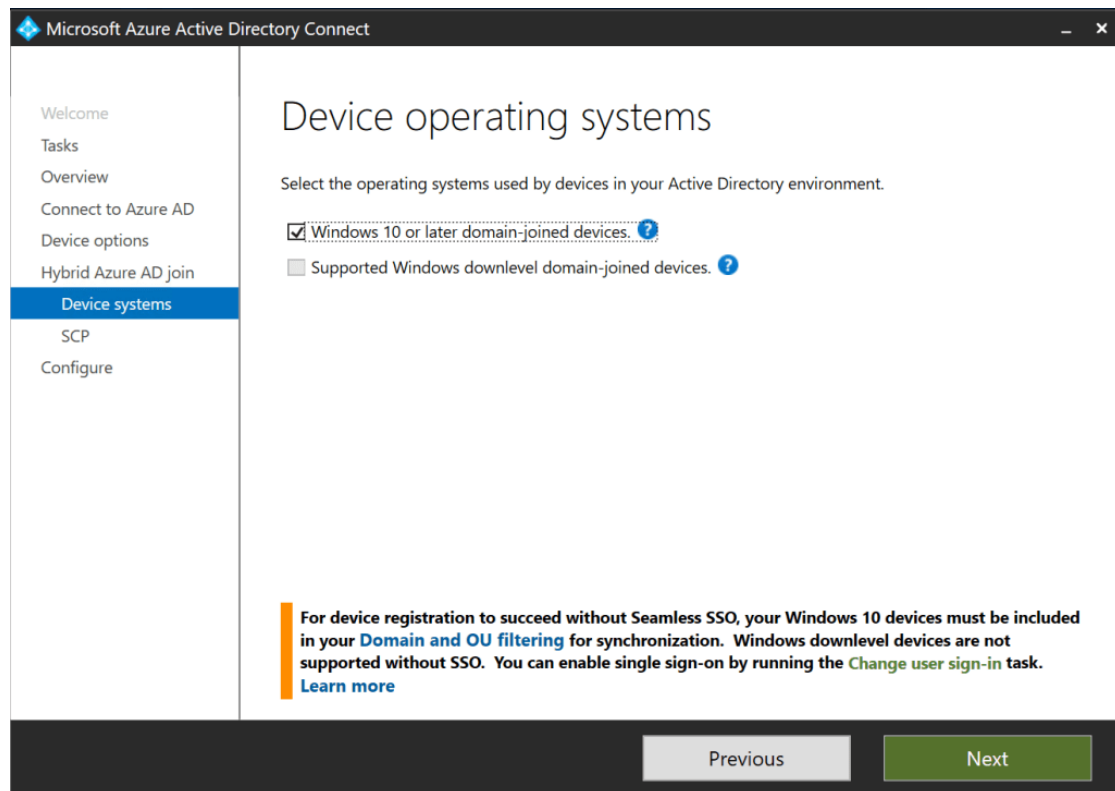
The screenshot shows the 'Microsoft Azure Active Directory Connect' window. On the left, a sidebar contains links: 'Welcome', 'Tasks', 'Overview', 'Connect to Azure AD' (highlighted in blue), and 'Device options'. The main area is titled 'Connect to Azure AD' and contains the instruction: 'Enter your Azure AD global administrator credentials for nibonnet.onmicrosoft.com - AAD. ?'. Below this are two input fields: 'USERNAME' with the text 'nicolas@' and 'PASSWORD' with masked characters. At the bottom right, there are 'Previous' and 'Next' buttons.

Select **Configure Hybrid Azure AD Join** and click on **Next**.

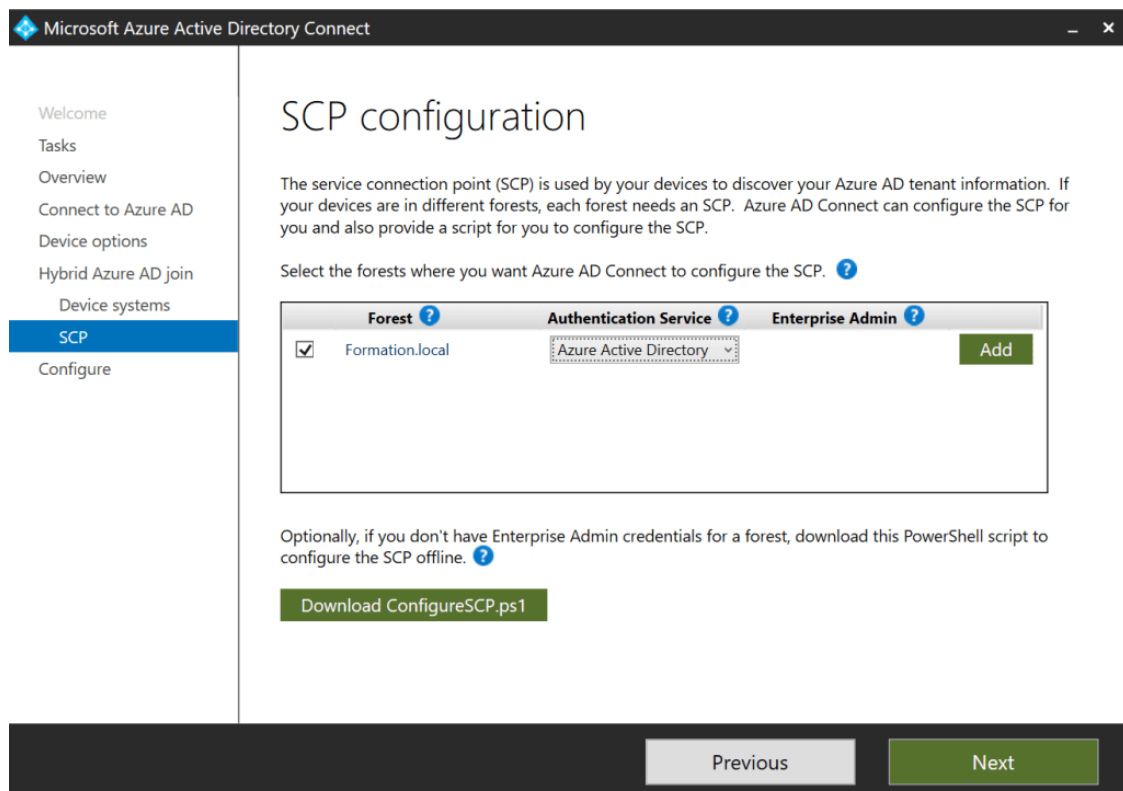


The screenshot shows the 'Microsoft Azure Active Directory Connect' window at the 'Device options' step. The sidebar on the left now highlights 'Device options' in blue, with sub-links: 'Hybrid Azure AD join', 'Device systems', 'SCP', and 'Configure'. The main area is titled 'Device options' and says 'Select the device option to configure.' Below this are three radio button options: 'Configure Hybrid Azure AD join' (selected), 'Configure device writeback', and 'Disable device writeback'. At the bottom right, there are 'Previous' and 'Next' buttons.

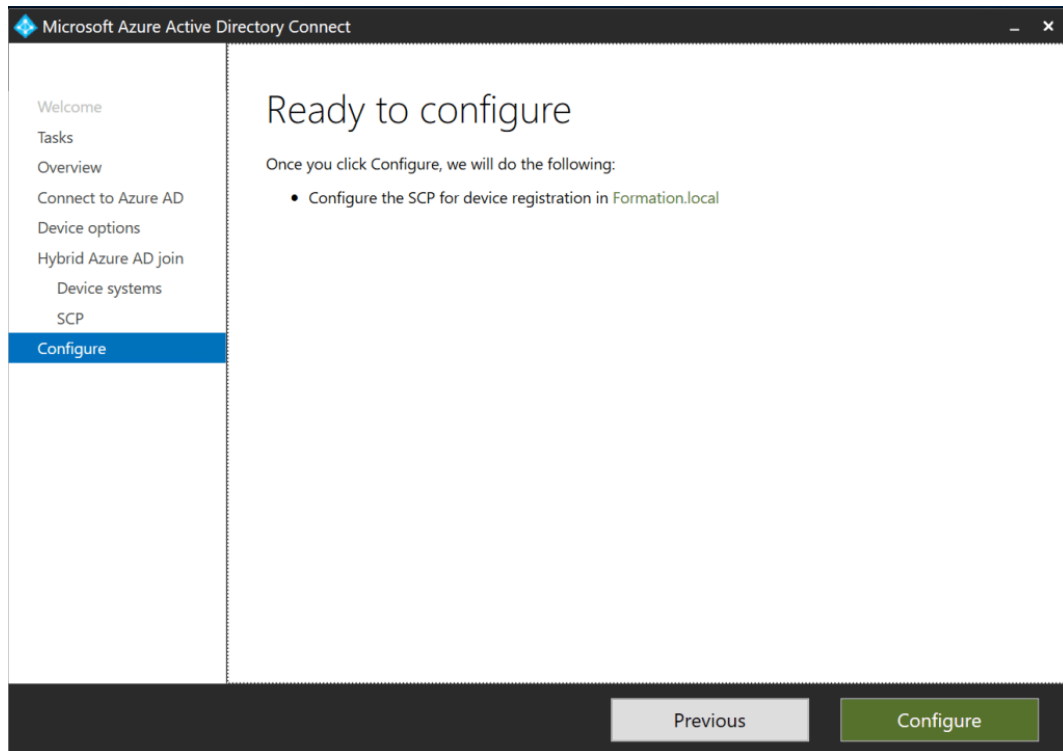
Check **Windows 10 or later domain-joined devices** and click on **Next**.



The SCP configuration's must be set up. Check the Active Directory domain name and Azure Active Directory for the **Authentication Service**. Click on **Add** for add Enterprise Admin Account. Enter credential of Enterprise Admin Account and click on **Next**.

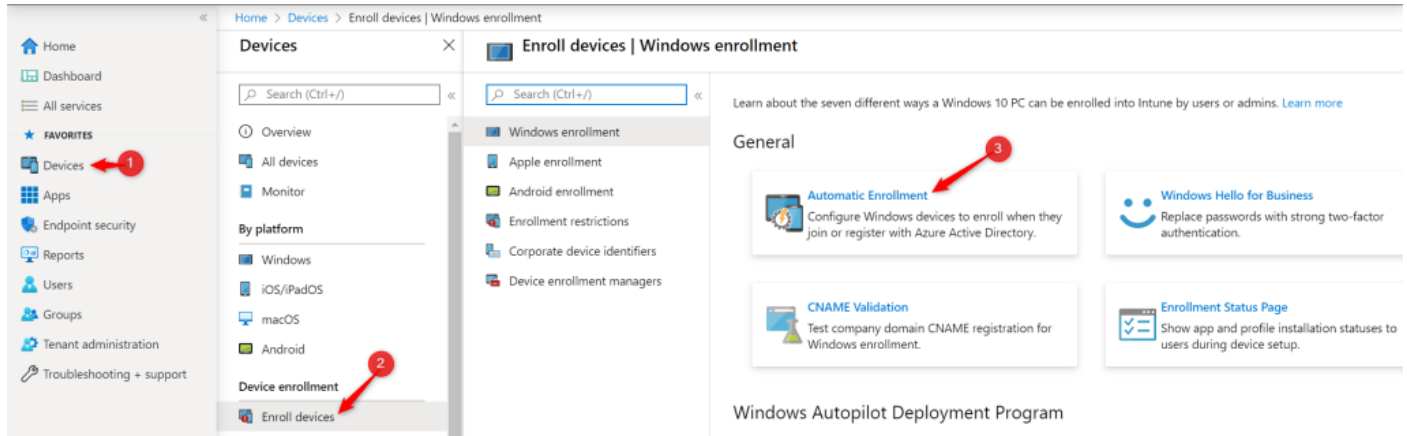


Click on **Configure** to launch configuration. Click on **Exit** when it's finished.



1.1 Configure Automatic Enrollment

From the intune portal, click on **Devices**, on **Enroll devices** then on **Automatic Enrollment**.



Configure **MDM user scope** and click on **Save**.

Configure
Microsoft Intune

Save Discard Delete

MDM user scope ① None Some **All**

MDM terms of use URL ① ✓

MDM discovery URL ① ✓

MDM compliance URL ① ✓

[Restore default MDM URLs](#)

MAM user scope ① **None** Some All

MAM terms of use URL ① ✓

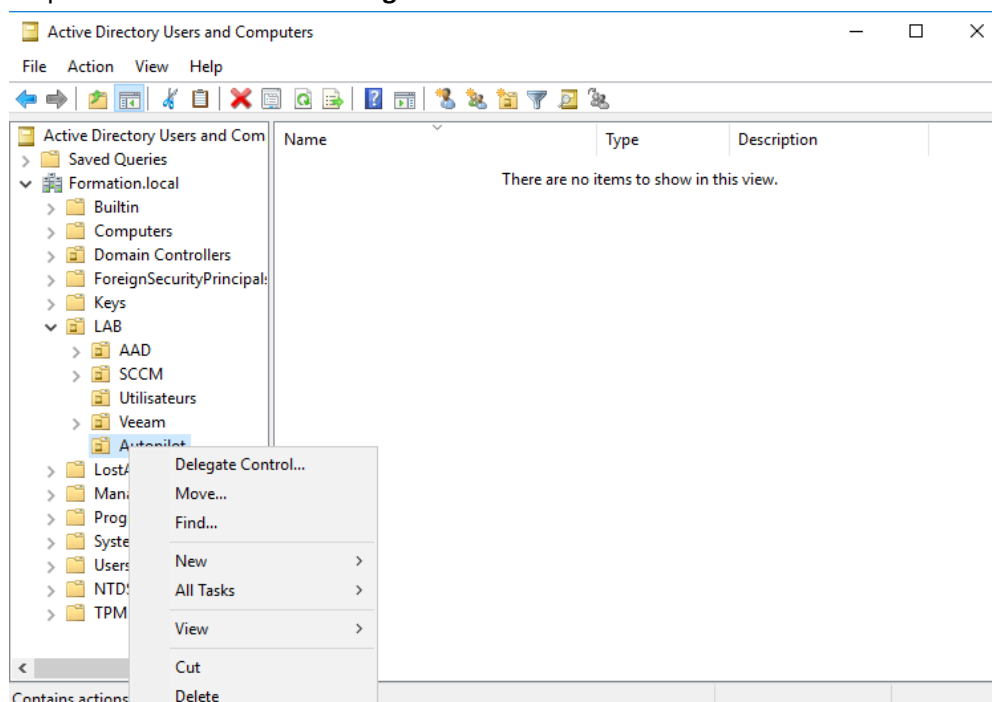
MAM discovery URL ① ✓

MAM compliance URL ① ✓

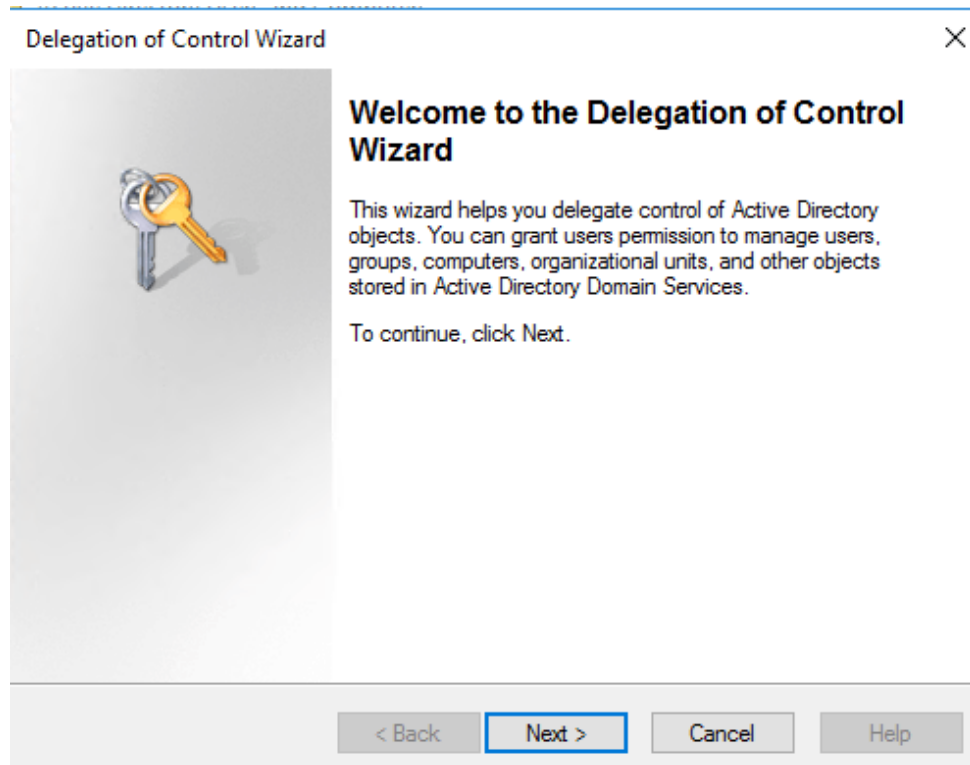
[Restore default MAM URLs](#)

1.2 Increase the computer account limit

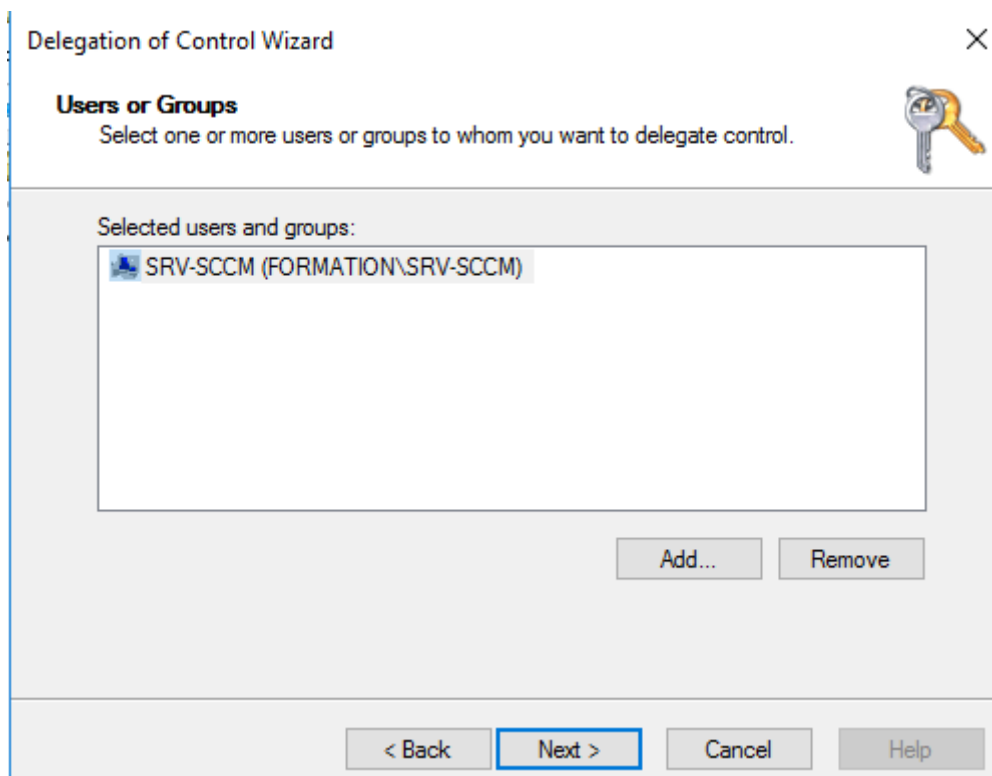
The computers account of the autopilot-enrolled computers has created by the Intune Connector in Active Directory. The computer that hosts the Intune Connector must have the rights to create the computer objects. Additionally a limit is configured on Active Directory. Each computer object can be create 10 computer object by default. So it's important to delegated to computer that host the intune connector the necessary right. I will positioned the permission on a Organization Unit. Nevertheless, it is possible to position the delegation on the root of the domain. From the domain controller, open **Active Directory Users and Computers** and right click on the container who the delegation must be positioned and click on **Delegate Control**.



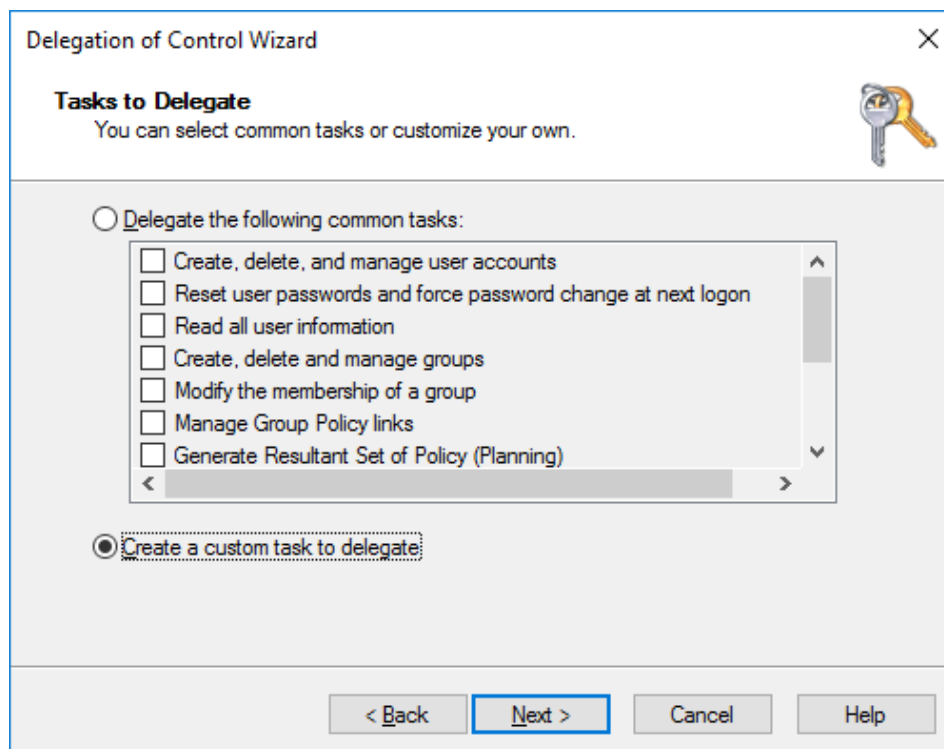
A wizard appear, click on **Next**.



Click on **Add** and select the desired computer account.

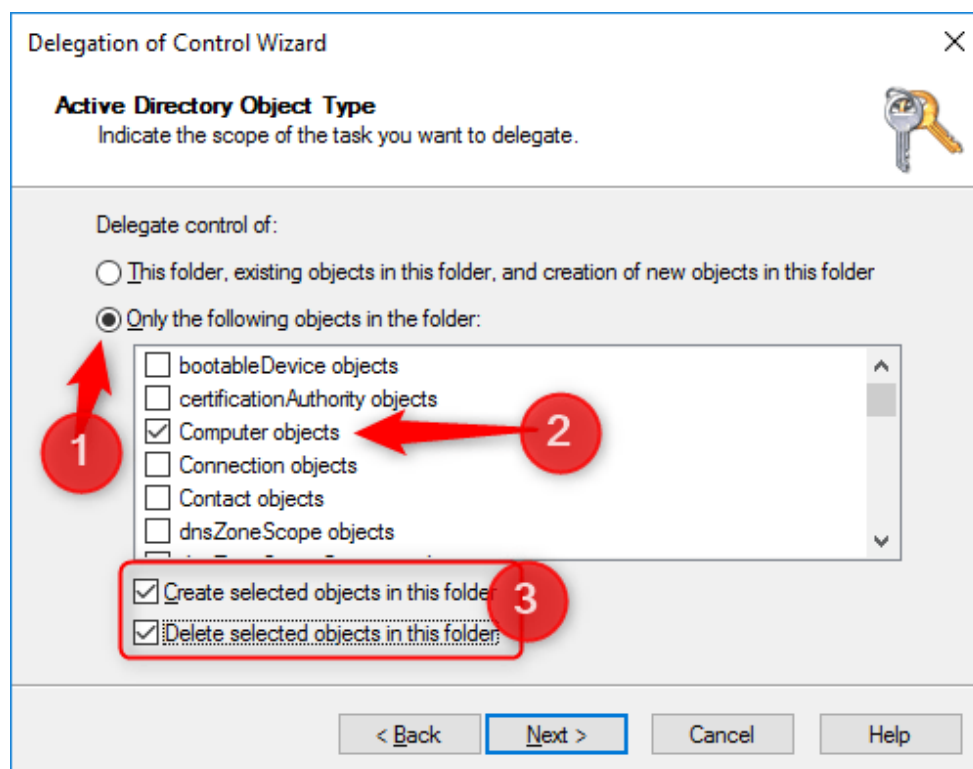


Check **Create a custom task to delegate** then click on **Next**.



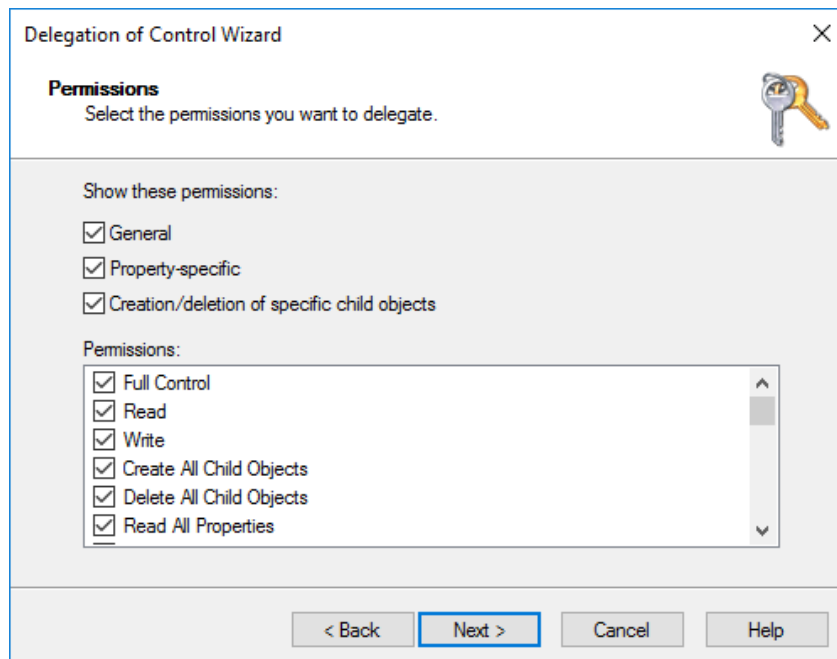
The screenshot shows the 'Delegation of Control Wizard' window. The title bar says 'Delegation of Control Wizard'. Below the title bar, there's a section titled 'Tasks to Delegate' with a subtitle 'You can select common tasks or customize your own.' and a key icon. There are two radio buttons: 'Delegate the following common tasks:' (unselected) and 'Create a custom task to delegate:' (selected). Below the first radio button is a list box containing several tasks: 'Create, delete, and manage user accounts', 'Reset user passwords and force password change at next logon', 'Read all user information', 'Create, delete and manage groups', 'Modify the membership of a group', 'Manage Group Policy links', and 'Generate Resultant Set of Policy (Planning)'. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

Check **Only the following objects in the folder** and select Computer objects. Enable **Create selected objects in this folder** and **Delete selected objects in this folder** options then click on **Next**.



The screenshot shows the 'Delegation of Control Wizard' window, specifically the 'Active Directory Object Type' screen. The title bar says 'Delegation of Control Wizard'. Below the title bar, there's a section titled 'Active Directory Object Type' with a subtitle 'Indicate the scope of the task you want to delegate.' and a key icon. There are two radio buttons: 'This folder, existing objects in this folder, and creation of new objects in this folder' (unselected) and 'Only the following objects in the folder:' (selected). Below the second radio button is a list box containing several object types: 'bootableDevice objects', 'certificationAuthority objects', 'Computer objects', 'Connection objects', 'Contact objects', and 'dnsZoneScope objects'. The 'Computer objects' checkbox is checked. Below the list box, there are two checkboxes: 'Create selected objects in this folder' and 'Delete selected objects in this folder', both of which are checked. Red annotations are present: a red circle with the number '1' and an arrow pointing to the 'Only the following objects in the folder:' radio button; a red circle with the number '2' and an arrow pointing to the 'Computer objects' checkbox; and a red circle with the number '3' and a box around the 'Create selected objects in this folder' and 'Delete selected objects in this folder' checkboxes. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

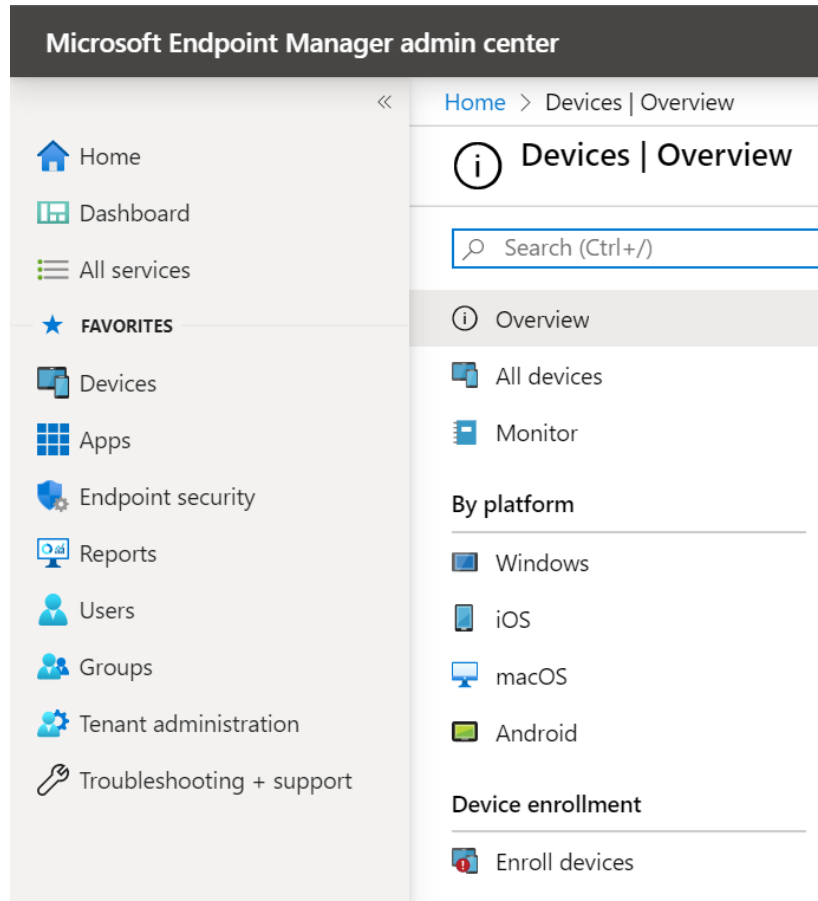
Select **Full Control** and click on **Next**.



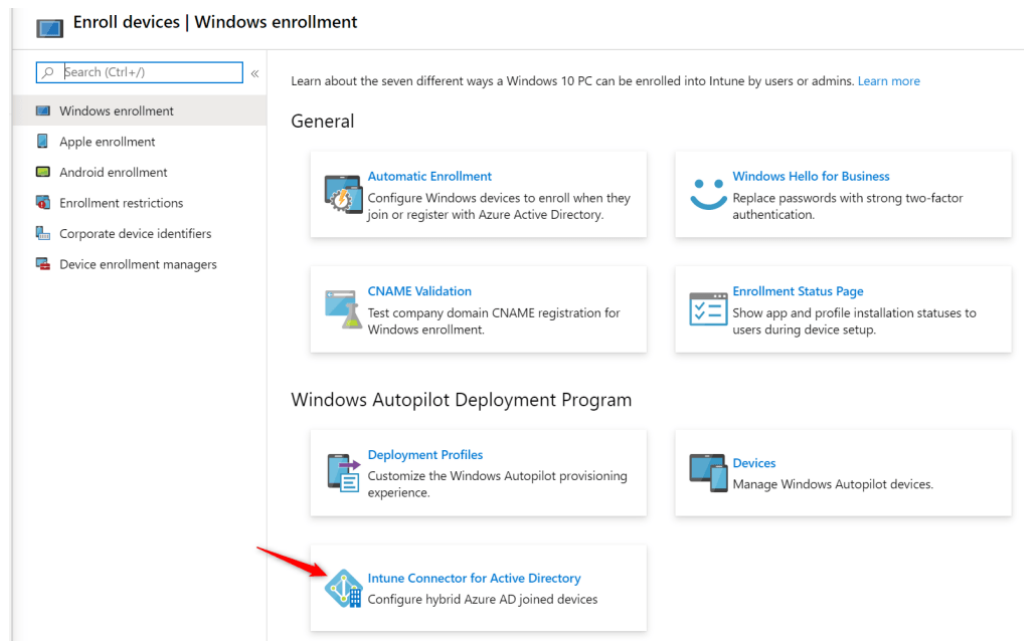
Click on **Next** and **Finish**.

1.3 Install Intune Hybrid Connector

From the Intune portal (endpoint.microsoft.com), click on **Devices** then on **Enroll devices**.



A new windows appear, click on **Intune Connector for Active Directory**.



Click on **Add** for add new connector.

Intune Connector for Active Directory			
Windows enrollment			
+ Add Refresh Filter			
Connector name	Status	Latest sync time	Version

Click on **Download** the on-premises Intune Connector for Active Directory for download the connector.

Add connector

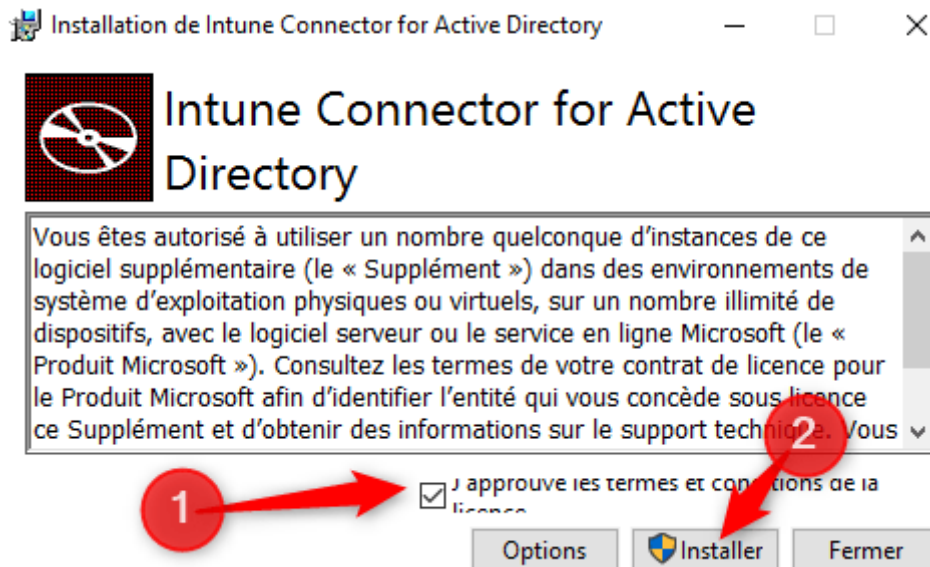
Intune connector for Active Directory (Preview)

Configuring the Intune connector for Active Directory

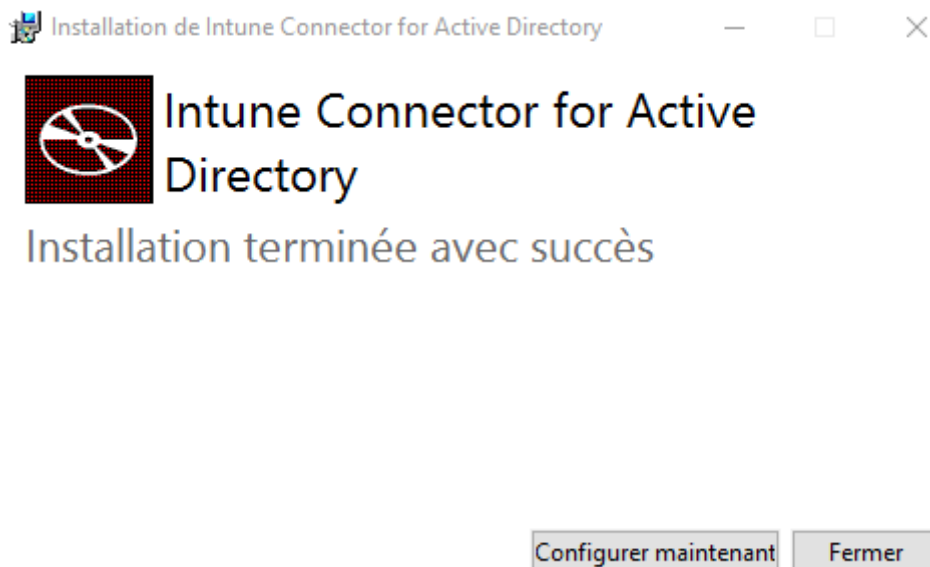
1. Configure your account and server to connect to the on-premises Intune connector for Active Directory
[Learn more](#)
2. Download and install the on-premises Intune Connector for Active Directory
[Download the on-premises Intune Connector for Active Directory](#)

1.4 Install the Intune connector

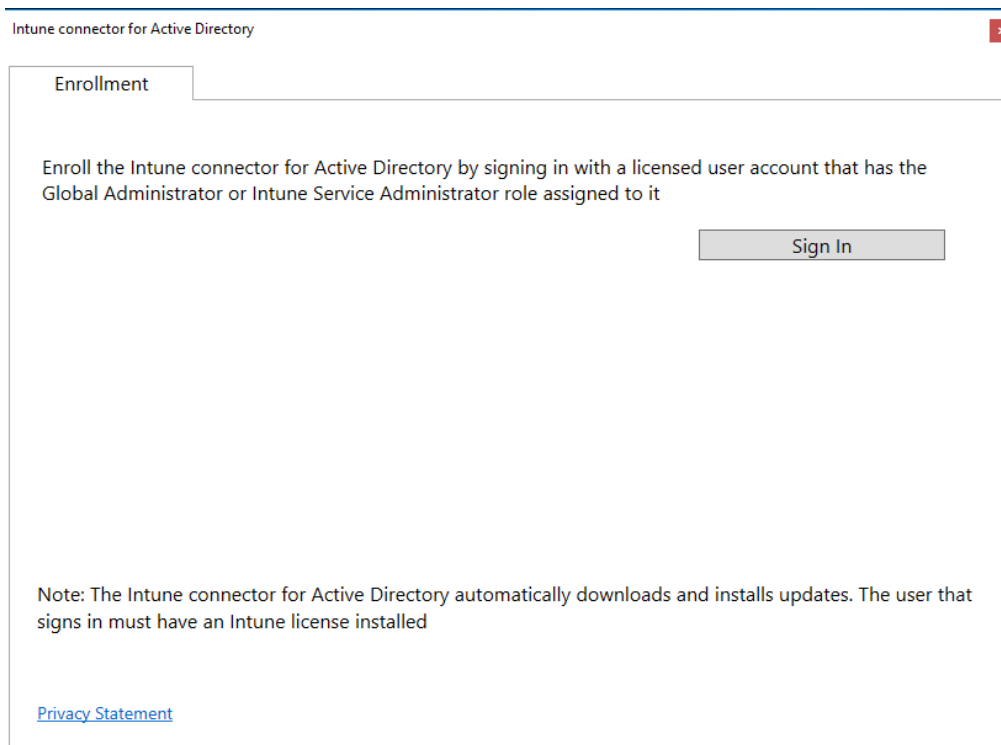
From the server cho you want to install the connector, run the installation file. A new windows appear, Accept the terms of the licence and click on **Install**.



When the installation is finished, click on **Configure now**.



A wizard appear, click on **Sign In**.



Intune connector for Active Directory

Enrollment

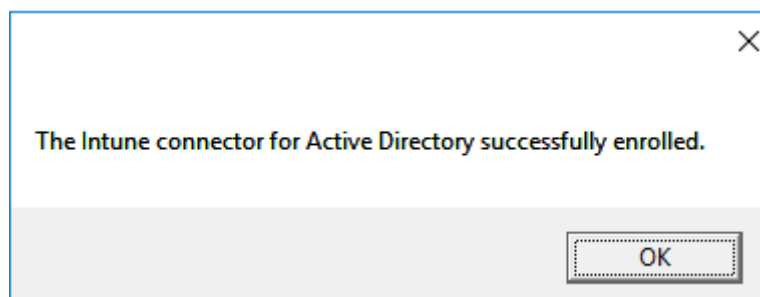
Enroll the Intune connector for Active Directory by signing in with a licensed user account that has the Global Administrator or Intune Service Administrator role assigned to it

Sign In

Note: The Intune connector for Active Directory automatically downloads and installs updates. The user that signs in must have an Intune license installed

[Privacy Statement](#)

Enter username and password of Admin account. The Intune Connector for Active Directory is successfully enrolled, click **OK** and close the wizard.



The Intune connector for Active Directory successfully enrolled.

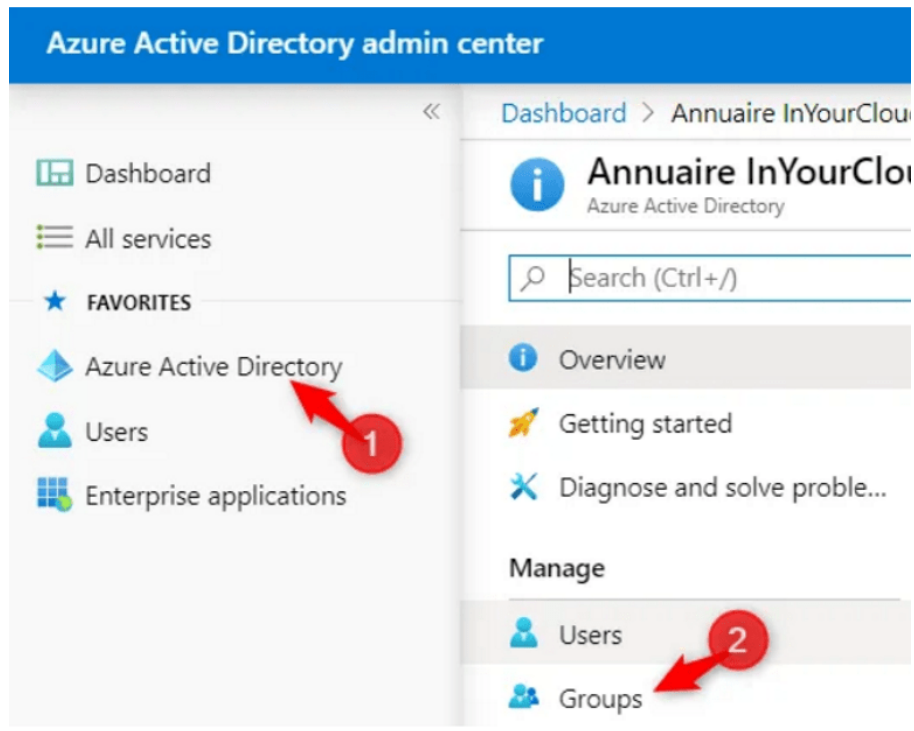
OK

On the Intune portal, Click to **Devices, Windows, Windows enrollment** and **Intune Connector for Active Directory**. The statut of the connector is Active.




+ Add ↺ Refresh ⏏ Filter			
Connector name	Status	Latest sync time	Version
SRV-SCCM	✔ Active	5/03/20, 10:26 PM	6.1810.101.7

1.5 Create dynamic group

From the [Azure AD portal](#), click on Azure Active Directory then on Groups.



Click on **New Group** for create new group.

+ New group ↓ Download groups 🗑 Delete ↻ Refresh ⓘ Preview info ≡ Columns ❤ Got feedback?						
🔍 Try out the new Groups experience improvements (improved search and filtering). Click to enable the preview. →						
🔍 Search groups + Add filters						
	Name	Object Id	Group Type	Membership Type	Email	Source
<input type="checkbox"/>	 AAD - Applis - Box	d6aefeb-53d1-46af-8a0f-...	Security	Assigned		Cloud
<input type="checkbox"/>	 AAD - Applis - Face...	2307c2ab-2ac3-4221-9fa4-...	Security	Assigned		Cloud
<input type="checkbox"/>	 AAD - Users - Pass...	ebc8ae3f-4c63-47c1-8b72-...	Security	Assigned		Cloud

Enter the name of the group and select **Dynamic Device** on **Membership type**. Click on **Add dynamic query** for add query.

Dashboard > Annuaire InYourCloud > Groups | All groups > New Group

New Group

Group type *
Security

Group name * ⓘ
Intune - All Autopilot Device

Group description ⓘ
Contain all device for Autopilot

Membership type * ⓘ
Dynamic Device

Owners
No owners selected

Dynamic device members * ⓘ
Add dynamic query

Click on **Edit** then on **Rule Syntax**.

Dynamic membership rules

Save Discard Got feedback?

Configure Rules Validate Rules (Preview)

You can use the rule builder or rule syntax text box to create or edit a dynamic membership rule. Learn more

And/Or	Property	Operator	Value
	<Choose a Property>	<Choose an Operator>	Add a value

+ Add expression

Rule syntax Edit

Enter the query (**device.devicePhysicalIDs -any _ -contains "[ZTDId]"**) and click on **OK**.

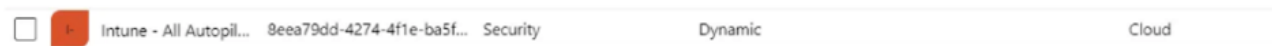
Edit rule syntax

You can create or edit rules directly by editing the syntax in the box below. Note that changes made here may not be reflected in the rule builder.

Rule syntax ⓘ

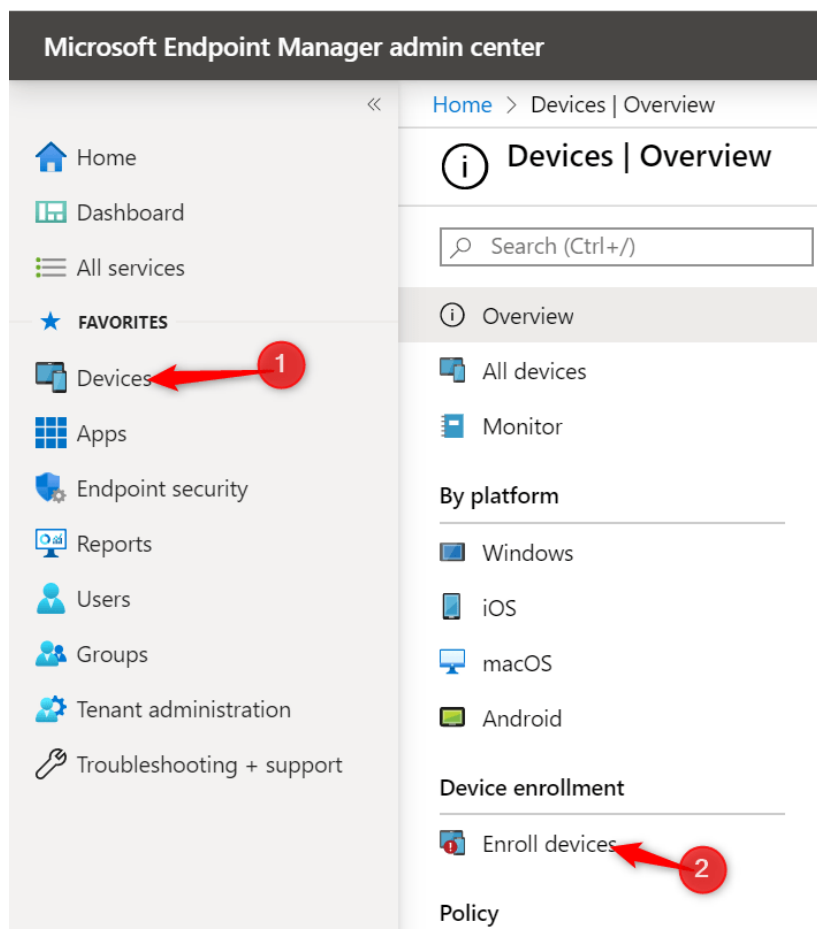
```
(device.devicePhysicalIDs -any _ -contains "[ZTDId]")
```

Click on **Save** then on **Create**.

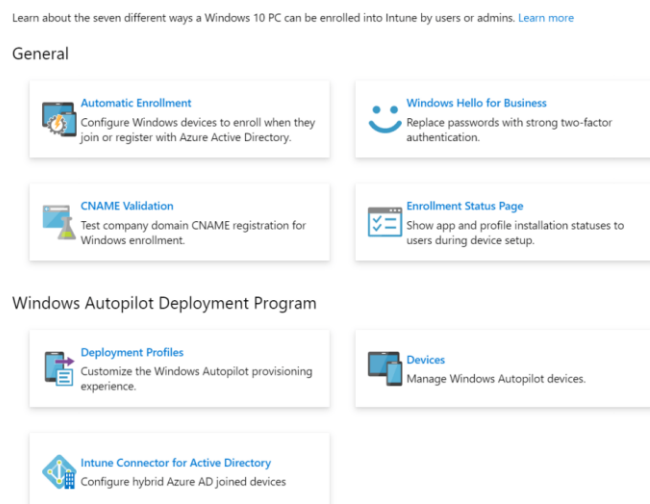


1.6 CreateDeployment Profiles

From the intune portal, click on **Devices** then on **Enroll devices**.



Click on **Deployment Profiles**.



Click on **Create profile** for create new deployment profile.

+ Create profile				
Windows Autopilot deployment profiles lets you customize the out-of-box experience for your devices. Learn more				
Name	↑↓	Description	Join Type	Assigned
InYourCloud			Azure AD joined	No
				...

Enter the name of the profile, the description and click on **Next**.

Create profile

Windows PC

1 Basics

2 Out-of-box experience (OOBE)

3 Assignments

4 Review + create

Name *

InYourCloud Hybrid AAD ✓

Description

Profile for Hybrid Azure AD Join ✓

By default, this profile can only be applied to Autopilot devices synced from the Autopilot service. [Learn more](#)

Convert all targeted devices to Autopilot

1

No Yes

Select **Hybrid Azure AD joined** configure other option.

Create profile

Windows PC

✓ Basics

2 Out-of-box experience (OOBE)

3 Assignments

4 Review + create

Configure the out-of-box experience for your Autopilot devices

Deployment mode *

User-Driven

Join to Azure AD as *

Hybrid Azure AD joined

Microsoft Software License Terms

Show Hide

Important information about hiding license terms

Privacy settings

Show Hide

The default value for diagnostic data collection has changed for devices running Windows 10, version 1903 and later. [Learn more](#)

Hide change account options

Show Hide

User account type

Administrator Standard

Allow White Glove OOBE

No Yes

Language (Region)

French (France)

Automatically configure keyboard

No Yes

Apply device name template

No Yes

For Hybrid Azure AD joined type of Autopilot deployment profiles, devices are named using settings specified in Domain Join configuration.

Previous

Next

Assign to the desired groups and create profile.

Create profile

Windows PC

✓ Basics ✓ Out-of-box experience (OOBE) **3 Assignments** 4 Review + create

Included groups

Assign to

Selected groups

Intune - All Autopilot Device [Remove](#)

[+ Select groups to include](#)

Excluded groups

Selected groups

No groups selected

[+ Select groups to exclude](#)

The deployment profiles is now correctly created.

1.7 Configure Enrollment Status Page

From the Intune portal, click on **Devices**, **Enroll devices** and click on **Enrollment Status Page**.

Enroll devices | Windows enrollment

Search (Ctrl+/)

- Windows enrollment
- Apple enrollment
- Android enrollment
- Enrollment restrictions
- Corporate device identifiers
- Device enrollment managers

Learn about the seven different ways a Windows 10 PC can be enrolled into Intune by users or admins. [Learn more](#)

General

Automatic Enrollment
Configure Windows devices to enroll when they join or register with Azure Active Directory.

Windows Hello for Business
Replace passwords with strong two-factor authentication.

CNAME Validation
Test company domain CNAME registration for Windows enrollment.

Enrollment Status Page
Show app and profile installation statuses to users during device setup.

Windows Autopilot Deployment Program

Deployment Profiles
Customize the Windows Autopilot provisioning experience.

Intune Connector for Active Directory
Configure hybrid Azure AD joined devices.

Devices
Manage Windows Autopilot devices.

Click on **Create** for create new Enrollment Status Page.

Enrollment Status Page

Windows Enrollment

×

+ Create

The enrollment status page appears during initial device setup and during first user sign in. If enabled, users can see the configuration progress of assigned apps and profiles targeted to their device. [Learn more](#)

Priority	Name	Assigned	
1	Autopilot	Yes	...
Default	All users and all devices	Yes	

Enter the name and click on **Next**.

Create profile

1 Basics

2 Settings

3 Assignments

4 Review + create

Name *

Hybrid AD Join

✓

Description

Profile for Hybrid AD Join device

✓

Configure **Settings** as needed.

Create profile

The enrollment status page appears during initial device setup and during first user sign in. If enabled, users can see the configuration progress of assigned apps and profiles targeted to their device. [Learn more](#)

Show app and profile configuration progress

No Yes

Show an error when installation takes longer than specified number of minutes

60

Show custom message when time limit error occurs

No Yes

Installation exceeded the time limit set by your organization. Please try again or contact your IT support person for help.

Allow users to collect logs about installation errors

No Yes

Only show page to devices provisioned by out-of-box experience (OOBE)

No Yes

Block device use until all apps and profiles are installed

No Yes

Allow users to reset device if installation error occurs

No Yes

Allow users to use device if installation error occurs

No Yes

Block device use until these required apps are installed if they are assigned to the user/device

All Selected

Previous

Next

Assign the profile to the dynamic group created previously.

Create profile

✓ Basics ✓ Settings **3 Assignments** 4 Review + create

Included groups

Selected groups

Intune - All Autopilot Device

[Remove](#)

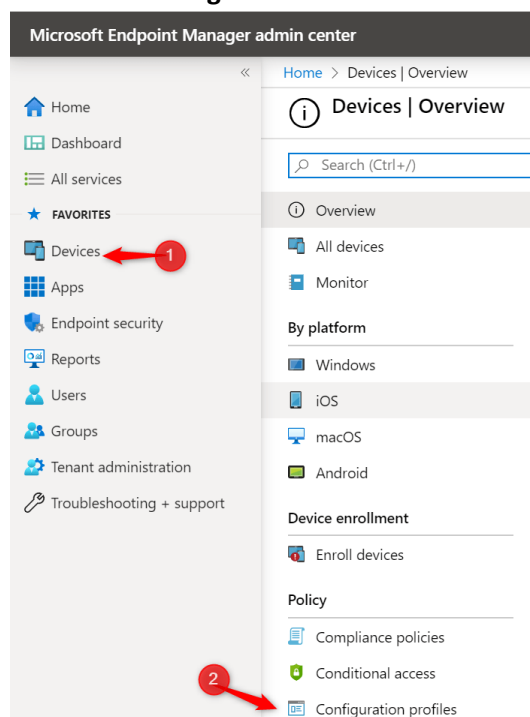
[+ Select groups to include](#)

Click on **Next** then on **Create**. The profile has been created.

Enrollment Status Page			
Windows Enrollment			
+ Create			
The enrollment status page appears during initial device setup and during first user sign in. If enabled, users can see the configuration progress of assigned apps and profiles targeted to their device. Learn more			
Priority	Name	Assigned	
1	Autopilot	No	...
2	Hybrid AD Join	Yes	...
Default	All users and all devices	Yes	

1.8 Create Domain Join profile

From the intune portal, click on **Devices** then on **Configuration Profiles**.



Click on **Create profile** for create new policy.

+ Create profile Columns Refresh Export Filter					
Search by name					
Profile Name	Platform	Profile Type	Assigned	Last Modified	
AFW - Email Profile	Android Enterprise	Email	Yes	7/25/18, 10:13 PM	...
AFW - Security	Android Enterprise	Device restrictions	Yes	2/13/20, 11:45 AM	...
Intune data collection policy	Windows 10 and later	Windows health monitoring	Yes	3/24/20, 11:42 PM	...
IOS - Deploy Certificate	iOS/iPadOS	PKCS certificate	No	7/22/18, 10:07 AM	...
IOS - Deploy Trusted Certificate	iOS/iPadOS	Trusted certificate	No	7/21/18, 11:51 PM	...
IOS - ProfileEmailNB	iOS/iPadOS	Email	Yes	2/26/19, 11:22 PM	...
IOS - Sécurité	iOS/iPadOS	Device restrictions	No	2/26/19, 8:50 PM	...

Select **Windows 10 and later** on **Platform** drop-down and **Domain Join** on **Profile** drop-down. Click on **Create**.

Create a profile X

Platform

Windows 10 and later

Profile

Domain Join

Domain Join

Enter the name of the description and click on **Next**.

1 Basics 2 Configuration settings 3 Scope tags 4 Assignments 5 Applicability Rules 6 Review + create

Name * AutoPilot - Join Windows 10 Hybrid AAD ✓

Description

Platform Windows 10 and later

Profile type Domain Join

Enter the prefix for the computer name and the domain name. For the Organizational Unit, you need enter the value of the **distinguishedName** attribute of the Organizational Unit.

Domain Join

Windows 10 and later

✓ Basics **2 Configuration settings** 3 Scope tags 4 Assignments 5 Applicability Rules 6 Review + create

Computer name prefix * ⓘ ✓

Domain name * ⓘ ✓

Organizational unit ⓘ ✓

Assign the profile at the previously created group and create profile.

Domain Join

Windows 10 and later

✓ Basics ✓ Configuration settings ✓ Scope tags **4 Assignments** 5 Applicability Rules 6 Review + create

Included groups

Assign to ▼

Selected groups

Intune - All Autopilot Device	Remove
-------------------------------	------------------------

[+ Select groups to include](#)

Excluded groups

Selected groups

No groups selected

[+ Select groups to exclude](#)

Repeat the same operation for disable user ESP. If you don't disable ESP user, a timeout is present on Enrollment Status Page. Use the following information for create the Intune profile.

- **Platform** : Windows 10 and later
- **Profile** : Custom
- **OMA-URI** : ./Vendor/MSFT/DMClient/Provider/MS DM Server/FirstSyncStatus/SkipUserStatusPage
- **Data Type** : Boolean
- **Value** : True

Home > Devices | Configuration profiles > Custom

Custom
Windows 10 and later

✓ Basics 2 **Configuration settings** 3 Scope tags 4 Assignments 5 Applicability Rules

OMA-URI Settings ⓘ Add

Name ↑↓	Description ↑↓	OMA-URI ↑↓	Value
No settings			

Add Row ✕

OMA-URI Settings

Name *

Description

OMA-URI *

Data type *

Value *

Assign the profile at the same group that the previously profile and create profile.

1.9 Add device on Autopilot

I test Autopilot on my virtual machine. So before to use Autopilot, I need add device on autopilot platform. From the Windows 10 device, open a **Windows Powershell prompt** and run the command **Install-Script -Name Get-WindowsAutoPilotInfo**.

```

Administrator: Windows PowerShell

PS C:\Windows\system32> Install-Script -Name Get-WindowsAutoPilotInfo

PATH Environment Variable Change
Your system has not been configured with a default script installation path yet,
which means you can only run a script by specifying the full path to the script
file. This action places the script into the folder 'C:\Program
Files\WindowsPowerShell\Scripts', and adds that folder to your PATH environment
variable. Do you want to add the script installation path 'C:\Program
Files\WindowsPowerShell\Scripts' to the PATH environment variable?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y

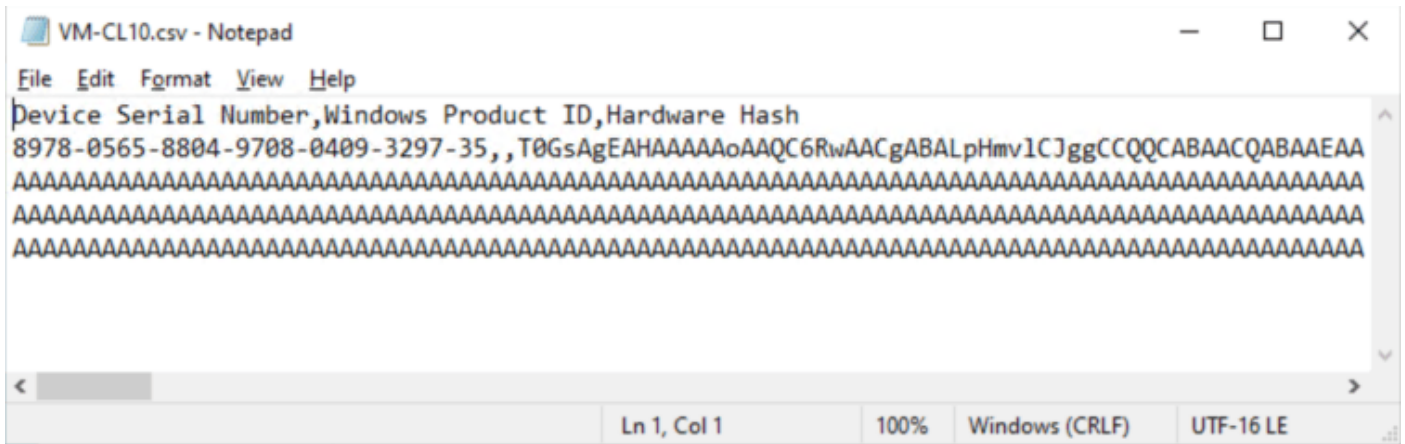
NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact
with NuGet-based repositories. The NuGet provider must be available in
'C:\Program Files\PackageManagement\ProviderAssemblies' or
'C:\Users\CL10\AppData\Local\PackageManagement\ProviderAssemblies'. You can also
install the NuGet provider by running 'Install-PackageProvider -Name NuGet
-MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install and
import the NuGet provider now?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
  
```

Create a CSV file with ID of the device. This ID must be added on Autopilot. On the Windows 10 computer, run the command **Get-WindowsAutoPilotInfo.ps1 -Outputfile VM-CL10.csv**.

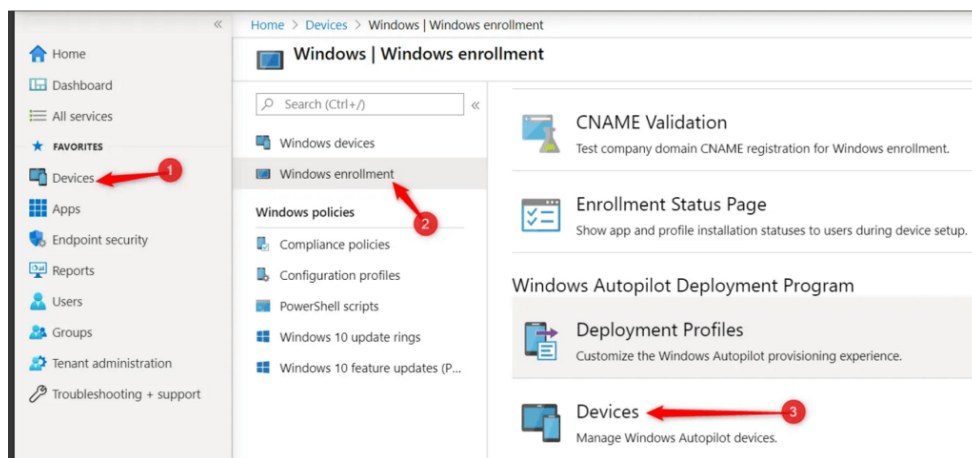
```

Administrator: Windows PowerShell

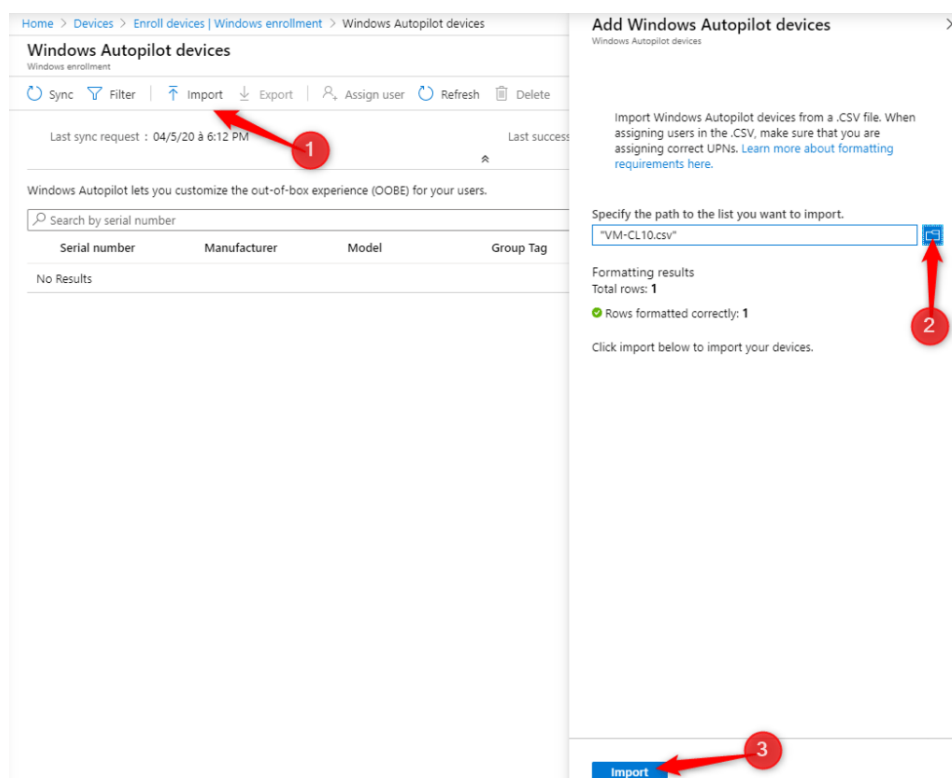
PS C:\Windows\system32> Get-WindowsAutoPilotInfo.ps1 -Outputfile VM-CL10.csv
PS C:\Windows\system32>
  
```



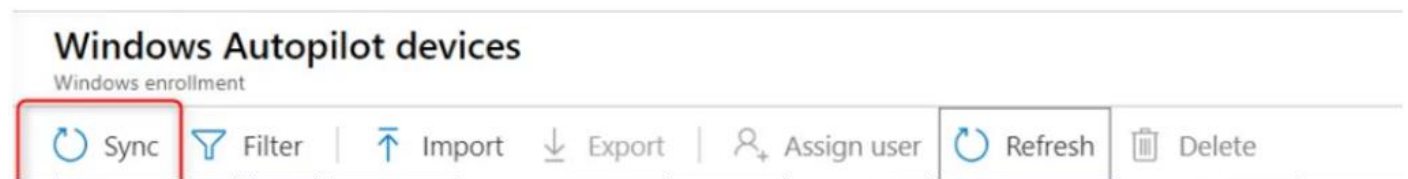
From the Intune portal, click on **Devices**, **Windows Enrollment** and **Devices**.



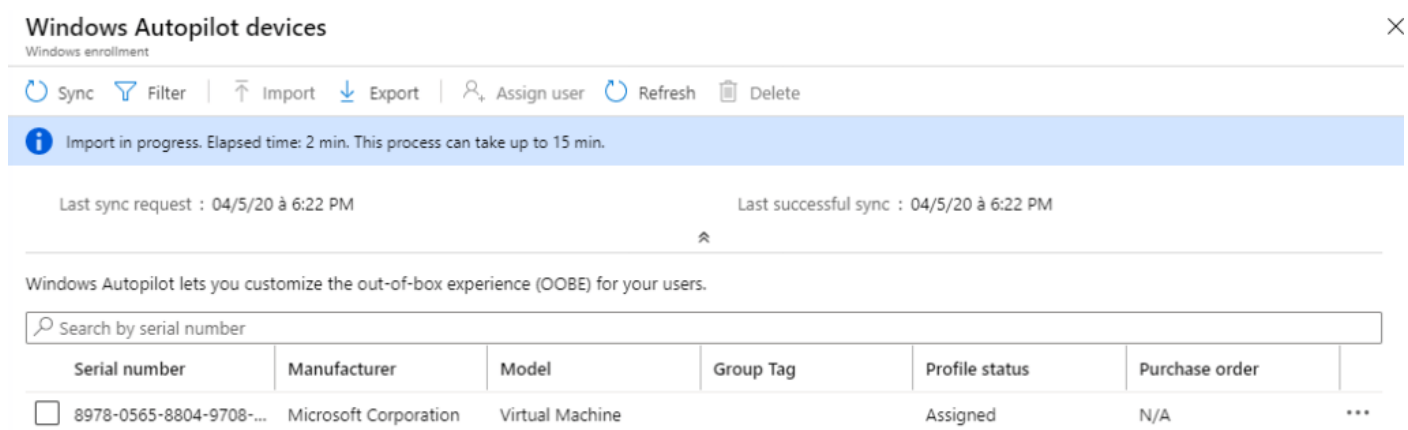
Cliquez on **Import** and select the CSV file previously created. Click on **Import** for import file.



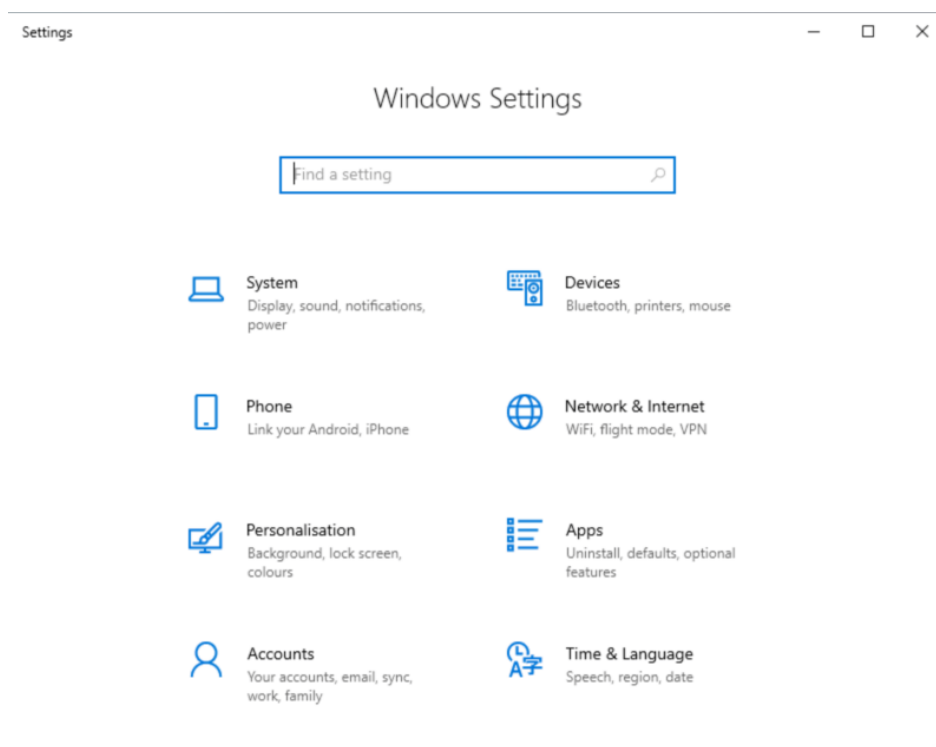
Click on **Sync** when import is finished.



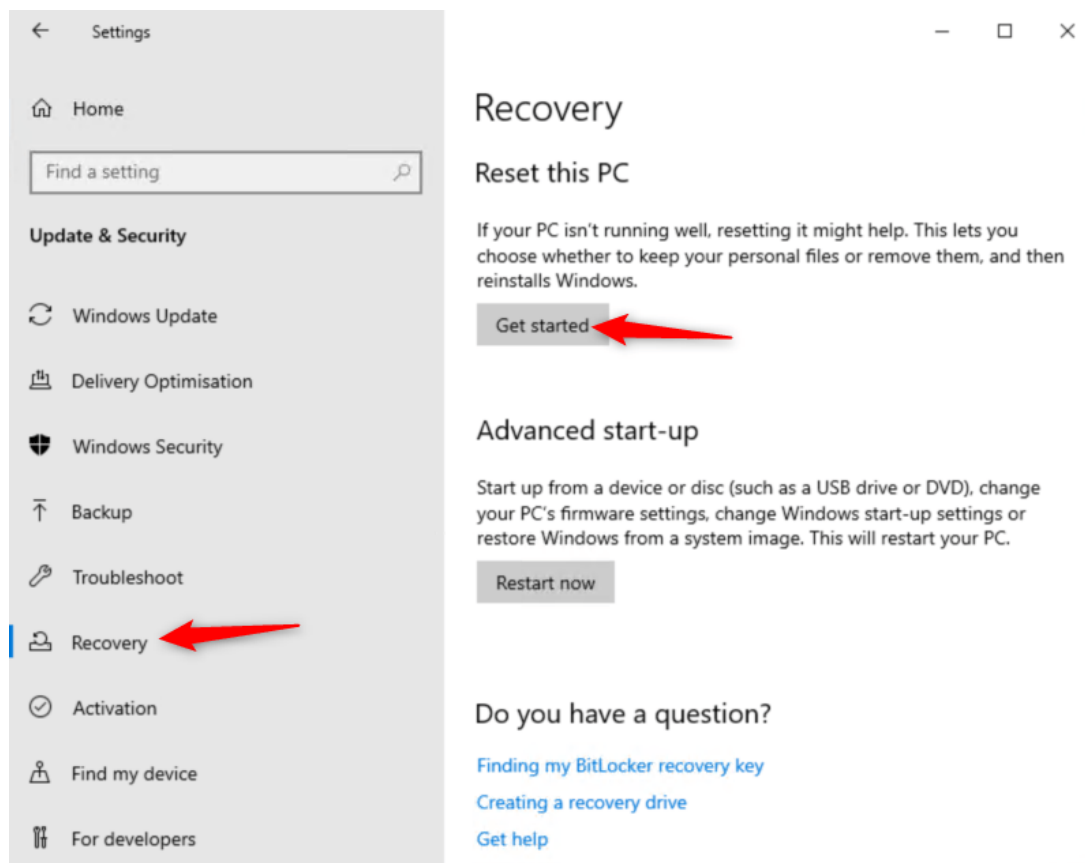
Device appear in the Intune portal.



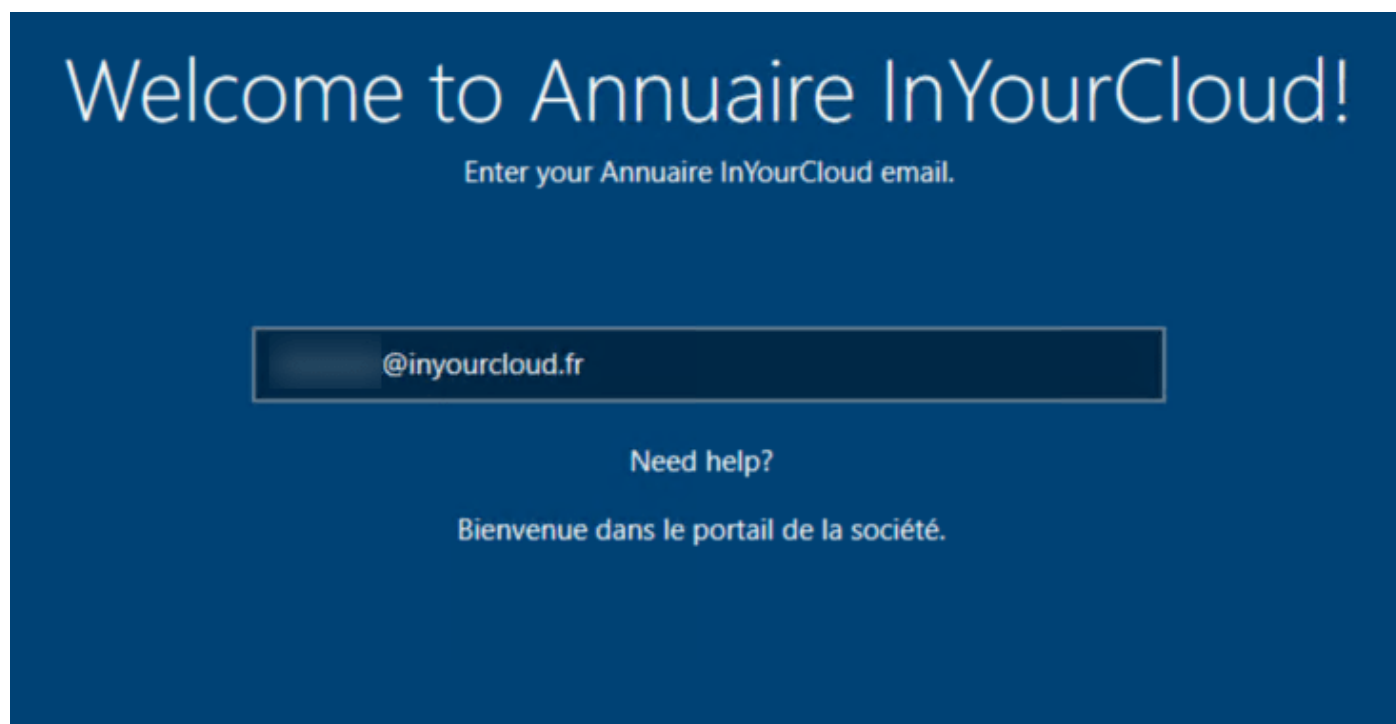
Device appear in the Intune portal. You can reset the computer and use the professional account for enroll device on Microsoft intune. From the Windows 10 computer, open Windows Settings and click on Update & Security.



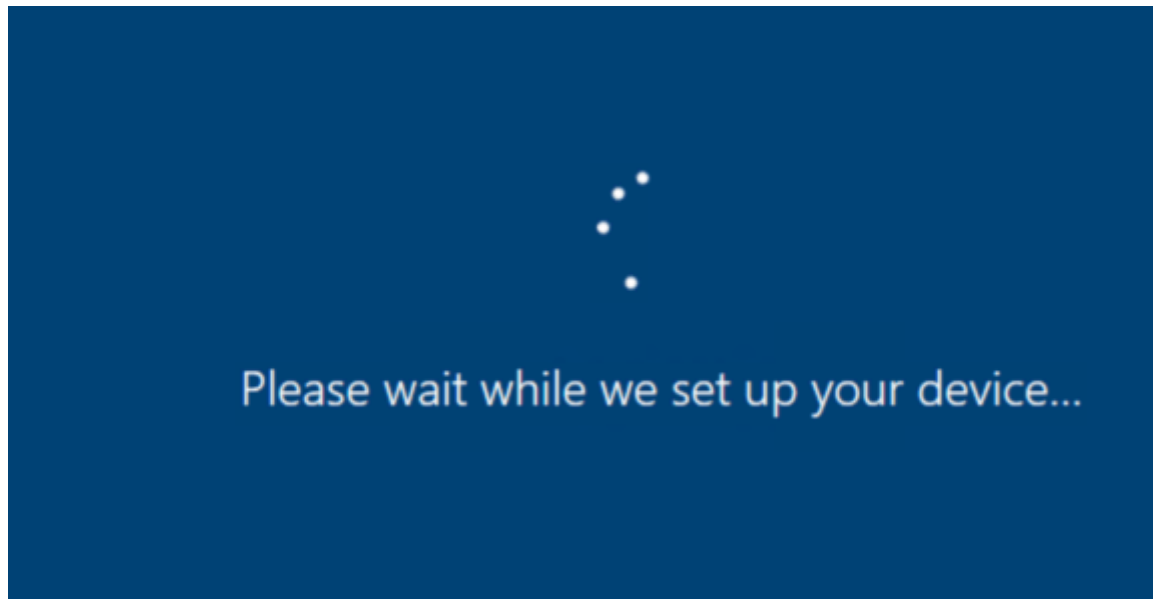
Click on **Recovery** then on **Get Started**.



Click on **Remove everything** for remove all files, apps, etc. Click on **Next** then on **Reset** to launch reset. Enter the username of your account and click on **Next**.



Set up is on progress



The computer account is added to Microsoft Intune

Tous les services > Appareils > Windows | Windows appareils > PC-JcpYJ0kMK92P

PC-JcpYJ0kMK92P

Rechercher (Ctrl+J) «

Mettre hors service Réinitialiser Supprimer Verrouillage à distance Synchroniser Réinitialiser le code d'accès Redémarrer ...

Vue d'ensemble

Gérer

- Propriétés

Surveiller

- Matériel
- Applications découvertes
- Conformité de l'appareil
- Configuration de l'appareil
- Configuration de l'application
- Configuration de la sécurité du ...
- Clés de récupération
- Expérience utilisateur
- Applications gérées

Nom de l'appareil : [PC-JcpYJ0kMK92P](#) Utilisateur principal (pré... : [Olivier BONNET](#)

Nom de la gestion : Olivier_Windows_5/5/2020_12:30 PM Inscription effectuée par : [Olivier BONNET](#)

Propriété : Entreprise Compatibilité : Non évalué

Numéro de série : 8978-0565-8804-9708-0409-3297-35 Système d'exploitation : Windows

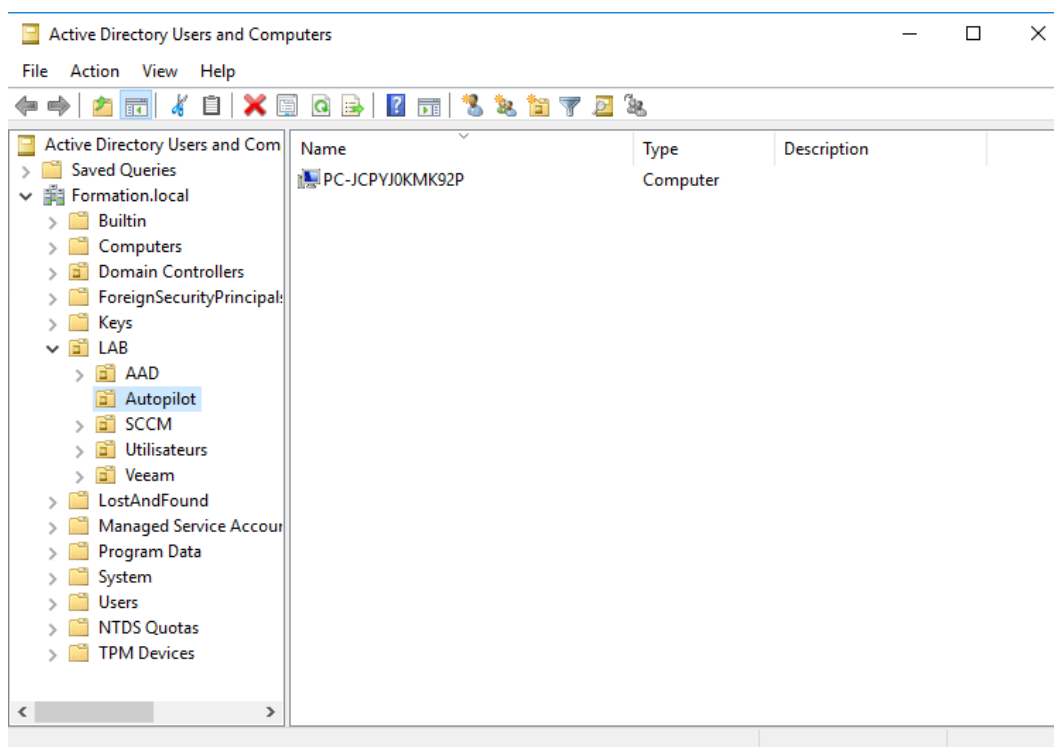
Numéro de téléphone : --- Modèle de l'appareil : Virtual Machine

[Voir plus](#)

État des actions d'appareil

Action	État	Date/heure	Erreur
Aucune donnée			

The account is present in Active Directory.



The computer is been join to AD and Azure AD.

