

LAB02: Installatie & Configuratie

AZURE AD CONNECT

Microsoft Azure Azure AD Connect



Alex ter Neuzen

GetToThe.Cloud

Inhoudsopgave

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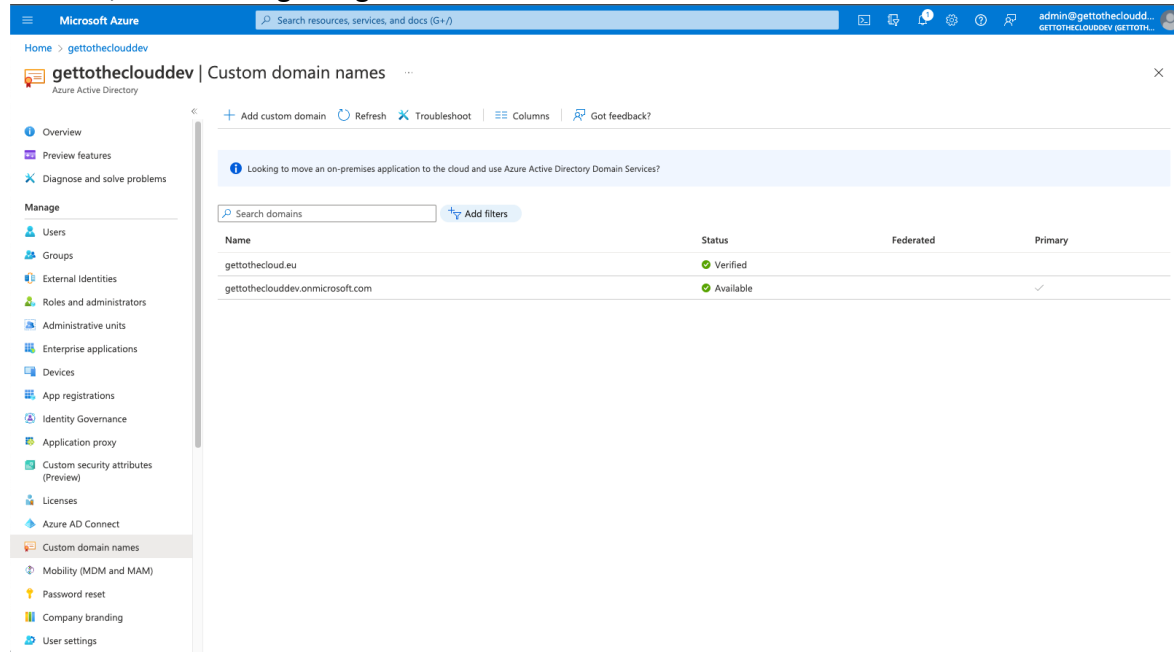
Inleiding

Om gebruikers een identiteit te geven in AzureAD zodat hiermee gebruik gemaakt kan worden de Microsoft 365 Suite, is door Microsoft de applicatie AzureADConnect beschikbaar gesteld. Deze applicatie zorgt dat gebruikers en groepen die in de OnPremises Active Directory bestaan, gekoppeld en gemaakt kunnen worden in Azure AD. Hiervoor wordt een unieke waarde op het Active Directory account geschreven zodat door de service deze gelinked aan elkaar kunnen worden.

Binnen AzureAD is vervolgens de mogelijkheid om licenties toe te kennen aan deze gebruikers voor de verschillende services die binnen Microsoft 365 Suite geboden wordt.

Toevoegen External Domain Azure

Om ADConnect goed te laten werken moet eerst het domein dat voor de mail migratie gebruikt gaat worden, worden toegevoegd aan AzureAD.



Microsoft Azure | Search resources, services, and docs (G+/)

Home > gettotheclouddev | Custom domain names

Overview | Preview features | Diagnose and solve problems

Manage

- Users
- Groups
- External Identities
- Roles and administrators
- Administrative units
- Enterprise applications
- Devices
- App registrations
- Identity Governance
- Application proxy
- Custom security attributes (Preview)
- Licenses
- Azure AD Connect
- Custom domain names**
- Mobility (MDM and MAM)
- Password reset
- Company branding
- User settings

+ Add custom domain | Refresh | Troubleshoot | Columns | Got feedback?

Looking to move an on-premises application to the cloud and use Azure Active Directory Domain Services?

Search domains | Add filters

Name	Status	Federated	Primary
gettothecloud.eu	Verified		
gettotheclouddev.onmicrosoft.com	Available		✓

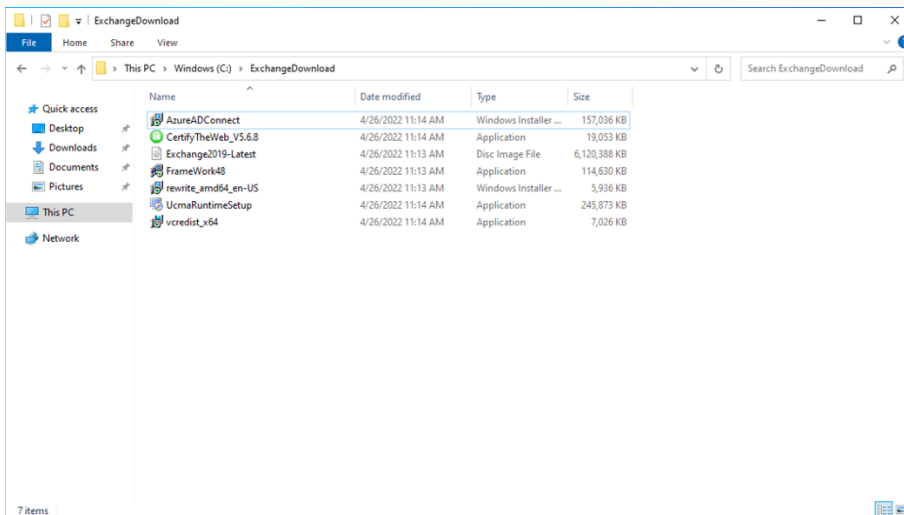
In Azure Active Directory -> Custom Domain Names kan dit domein worden toegevoegd. Volg de stappen die worden aangegeven.

Installatie Azure AD Connect

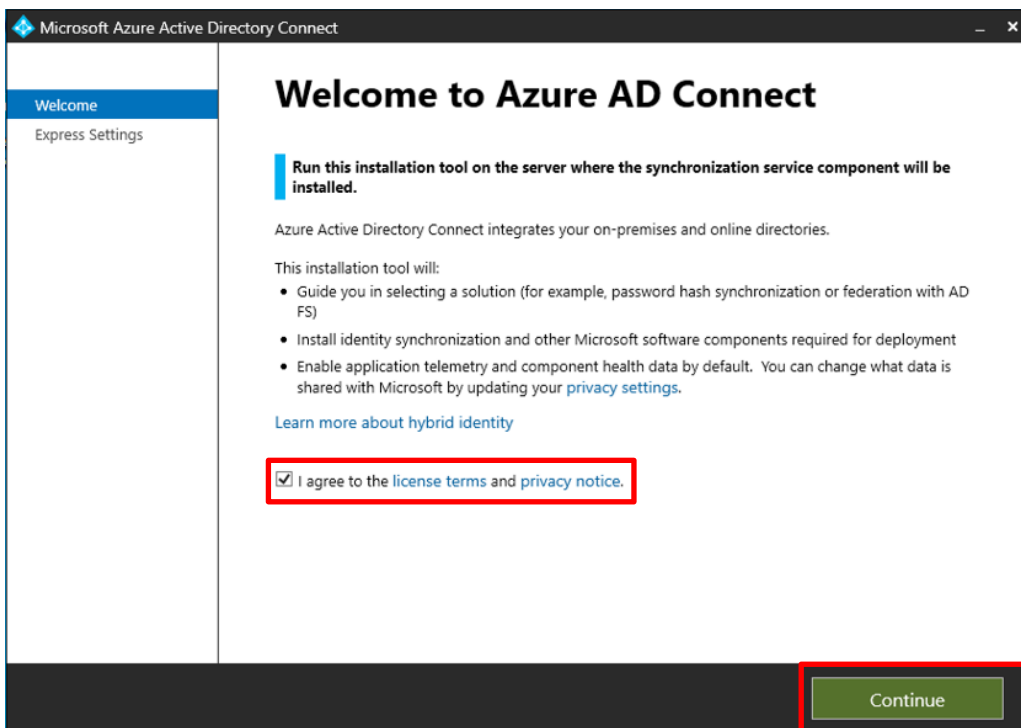
AzureADConnect kan worden gedownload bij Microsoft op de website: [Download Microsoft Azure Active Directory Connect from Official Microsoft Download Center](#)

Hier staat altijd de laatste versie.

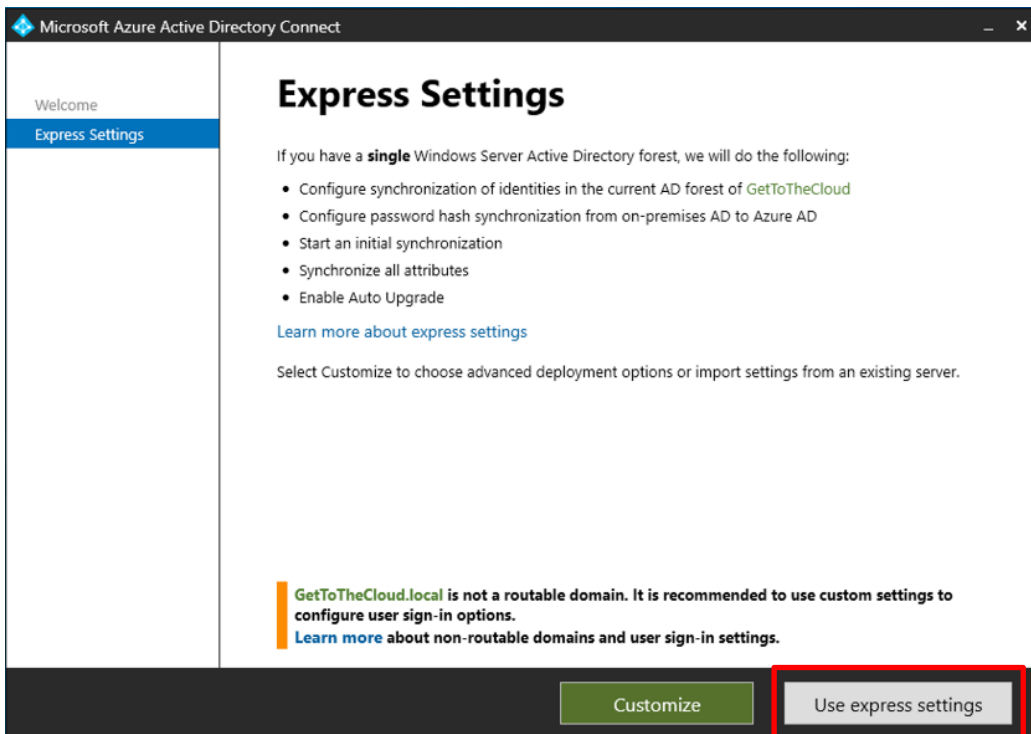
In het deployment script is dit al gedaan. De locatie van de MSI is op de Exchange Server
C:\ExchangeDownload\AzureADConnect.msi



1 Dubbelklik op de AzureADConnect.msi



2 Selecteer I Agree to the license terms and privacy notice en click Continue



Microsoft Azure Active Directory Connect

Welcome

Express Settings

Express Settings

If you have a **single** Windows Server Active Directory forest, we will do the following:

- Configure synchronization of identities in the current AD forest of **GetToTheCloud**
- Configure password hash synchronization from on-premises AD to Azure AD
- Start an initial synchronization
- Synchronize all attributes
- Enable Auto Upgrade

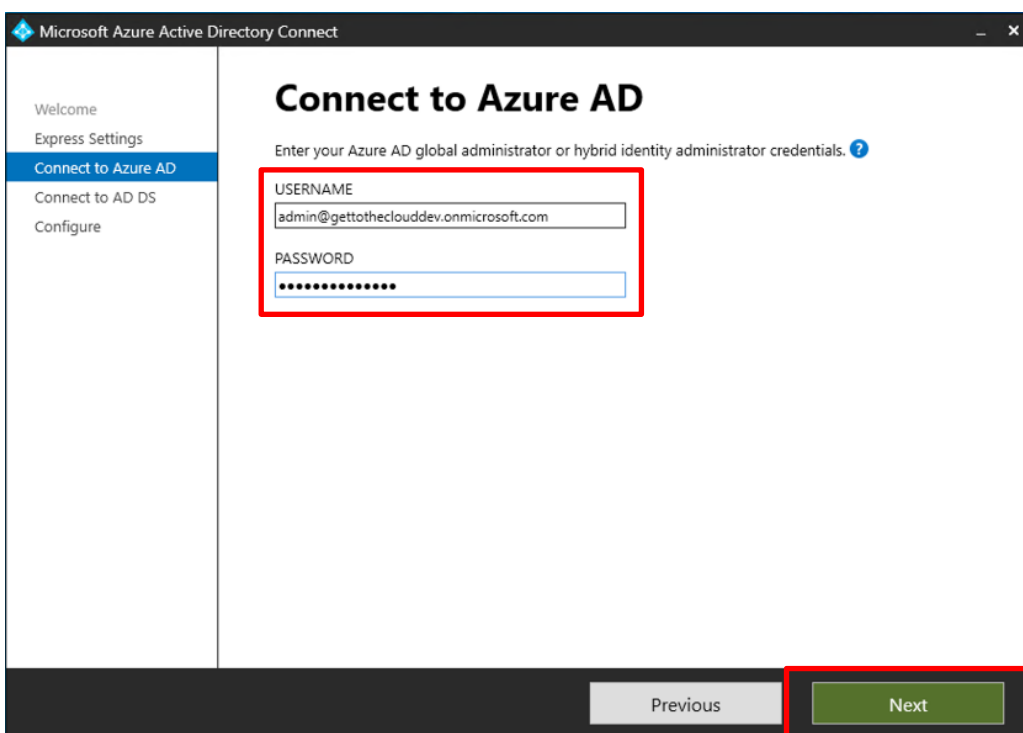
[Learn more about express settings](#)

Select Customize to choose advanced deployment options or import settings from an existing server.

GetToTheCloud.local is not a routable domain. It is recommended to use custom settings to configure user sign-in options.
[Learn more](#) about non-routable domains and user sign-in settings.

Customize Use express settings

3 Kies voor *Use express settings*



Microsoft Azure Active Directory Connect

Welcome

Express Settings

Connect to Azure AD

Connect to AD DS

Configure

Connect to Azure AD

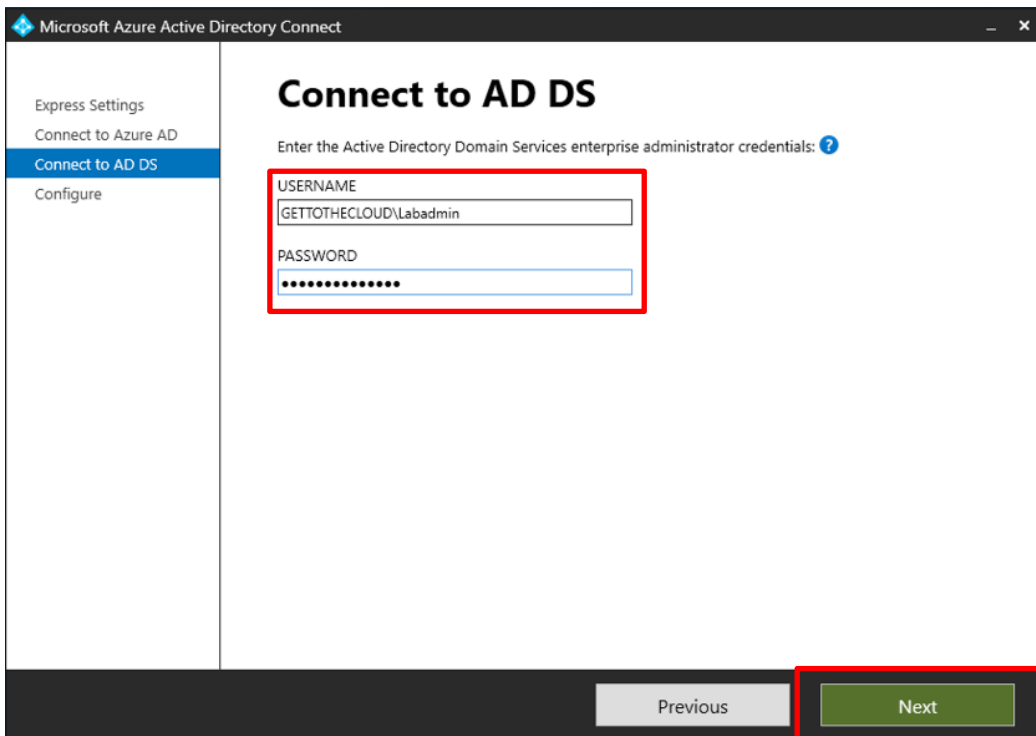
Enter your Azure AD global administrator or hybrid identity administrator credentials. ?

USERNAME
admin@gettotheclouddev.onmicrosoft.com

PASSWORD

Previous Next

4 Vul het AzureAD admin account in en klik op Next



Microsoft Azure Active Directory Connect

Express Settings
Connect to Azure AD
Connect to AD DS
Configure

Connect to AD DS

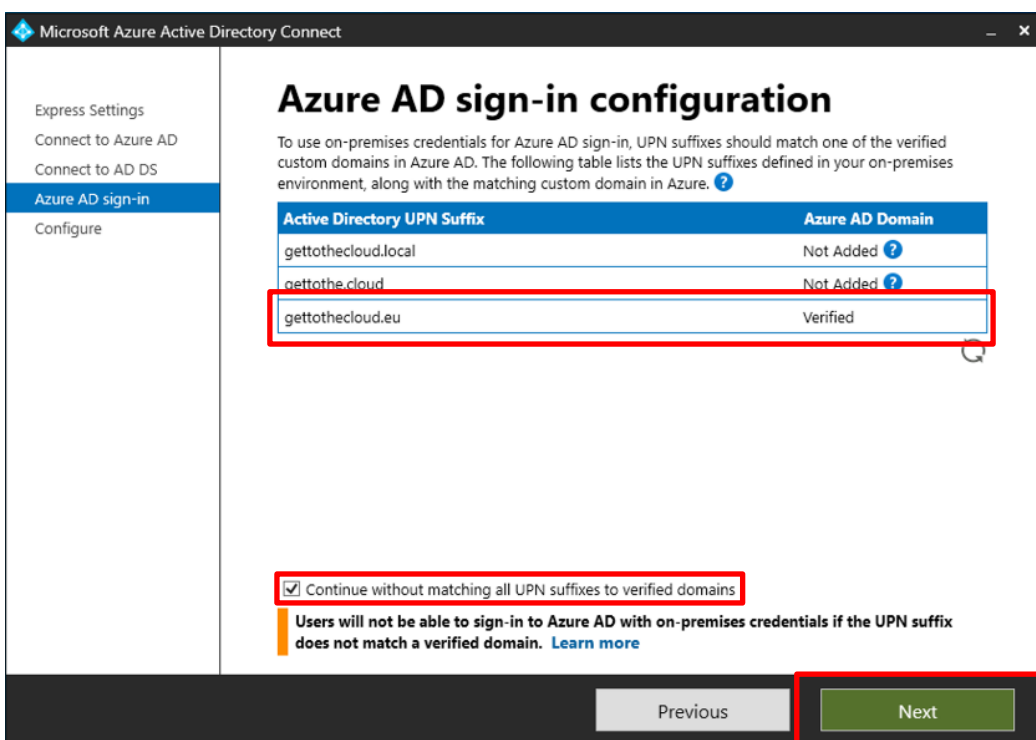
Enter the Active Directory Domain Services enterprise administrator credentials: ?

USERNAME
GETTOTHECLOUD\Labadmin

PASSWORD
.....

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5 Vul een Enterprise Administrator account in en klik op Next



Microsoft Azure Active Directory Connect

Express Settings
Connect to Azure AD
Connect to AD DS
Azure AD sign-in
Configure

Azure AD sign-in configuration

To use on-premises credentials for Azure AD sign-in, UPN suffixes should match one of the verified custom domains in Azure AD. The following table lists the UPN suffixes defined in your on-premises environment, along with the matching custom domain in Azure. ?

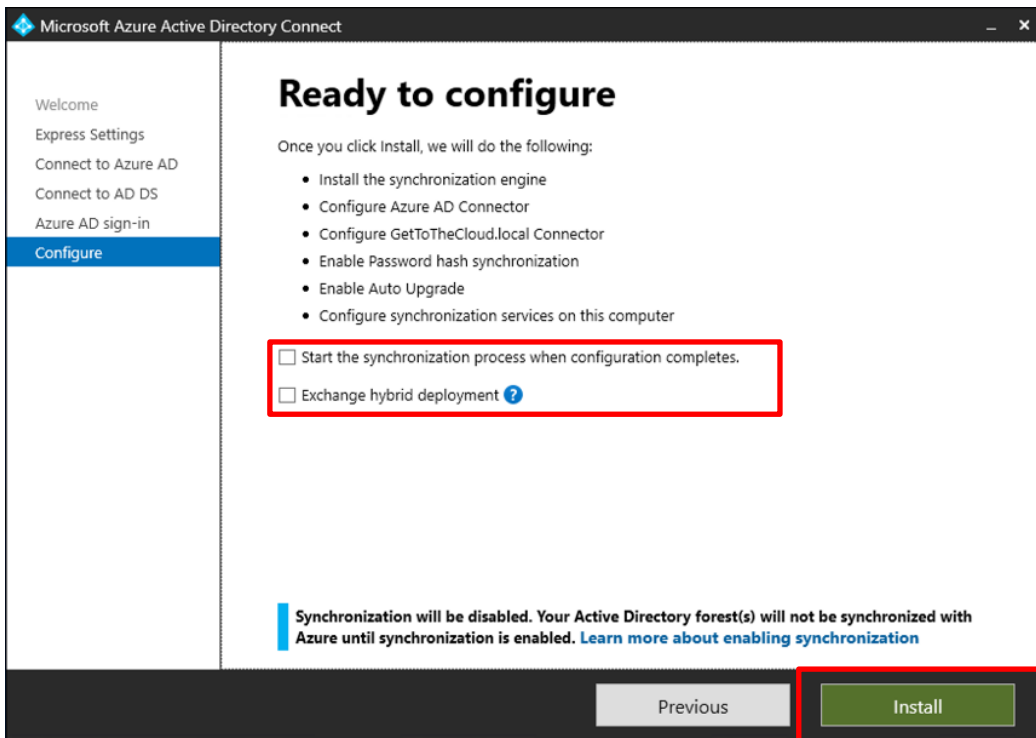
Active Directory UPN Suffix	Azure AD Domain
gettothecloud.local	Not Added ?
gettothe.cloud	Not Added ?
gettothecloud.eu	Verified

☒ Continue without matching all UPN suffixes to verified domains

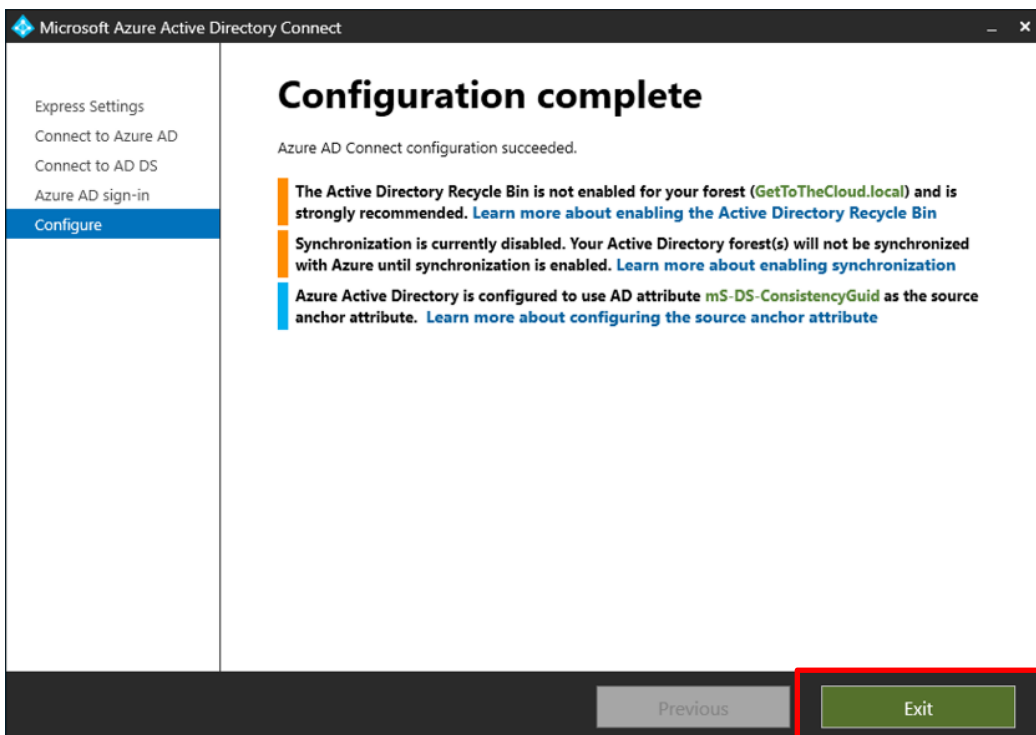
Users will not be able to sign-in to Azure AD with on-premises credentials if the UPN suffix does not match a verified domain. [Learn more](#)

Previous Next

6 Zorg dat minimaal 1 domein geverifieerd is en klik Next



7 Deselecteer Start the synchronization process when configuration completes en klik Install



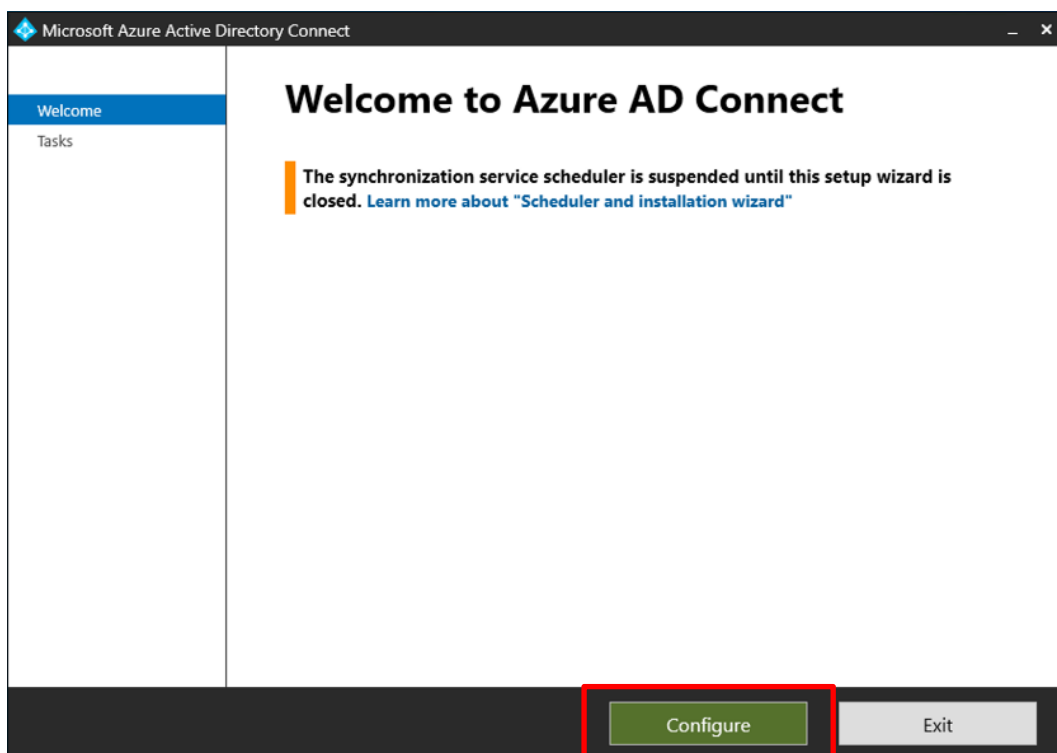
8 Klik op *Exit*

Configuratie van Azure AD Connect

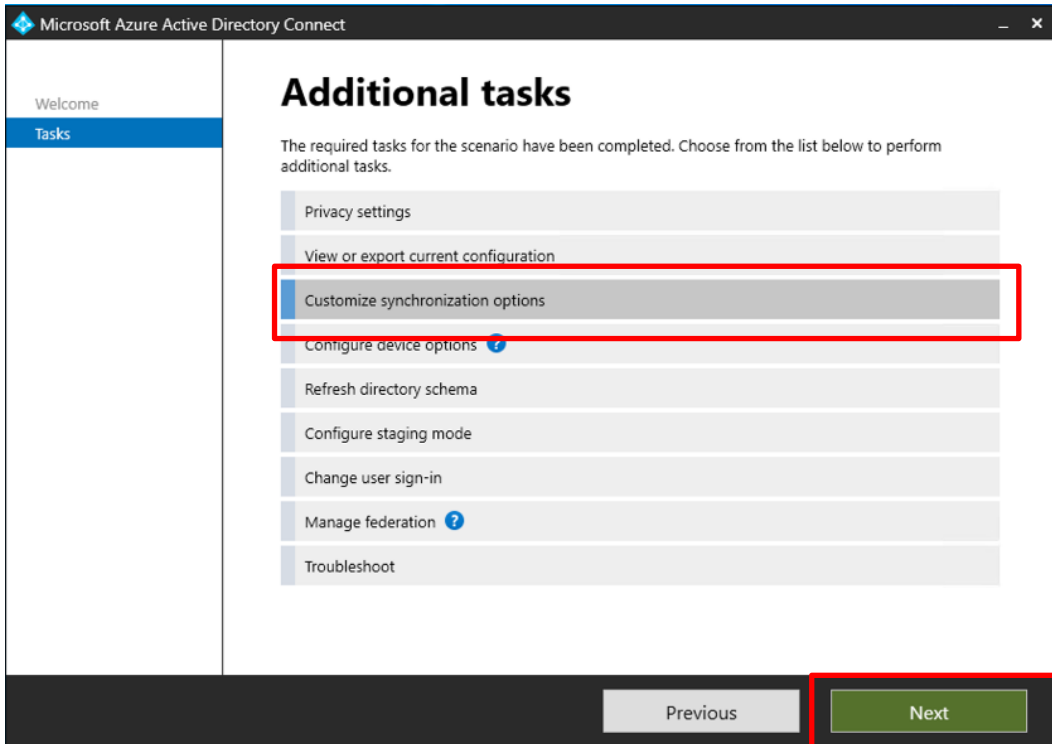
Na de installatie is er gekozen om de synchronisatie nog niet starten. Dit is gedaan zodat in de configuratie er een aanpassing gedaan kan worden van Organizational Unit in het domein.



9 Start Azure AD Connect van het bureaublad



10 Klik op Configure



Microsoft Azure Active Directory Connect

Welcome

Tasks

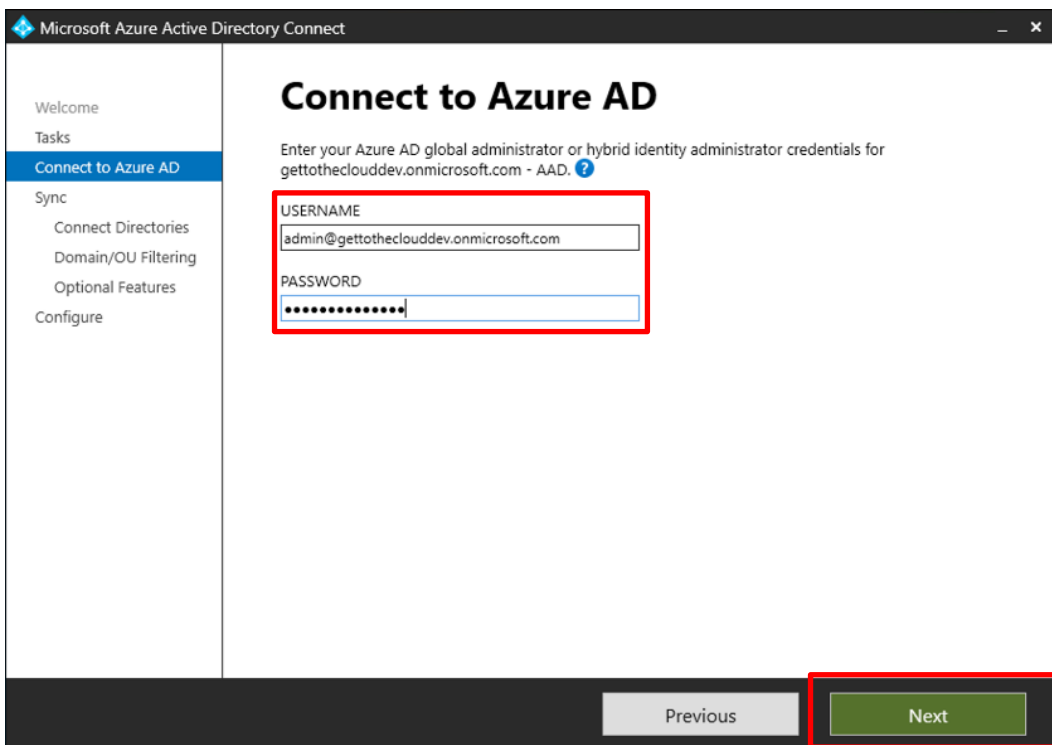
Additional tasks

The required tasks for the scenario have been completed. Choose from the list below to perform additional tasks.

- Privacy settings
- View or export current configuration
- Customize synchronization options**
- Configure device options ?
- Refresh directory schema
- Configure staging mode
- Change user sign-in
- Manage federation ?
- Troubleshoot

Previous Next

11 Selecteer *Customize synchronization options* en klik *Next*



Microsoft Azure Active Directory Connect

Welcome

Tasks

Connect to Azure AD

Sync

- Connect Directories
- Domain/OU Filtering
- Optional Features
- Configure

Connect to Azure AD

Enter your Azure AD global administrator or hybrid identity administrator credentials for gettotheclouddev.onmicrosoft.com - AAD. ?

USERNAME

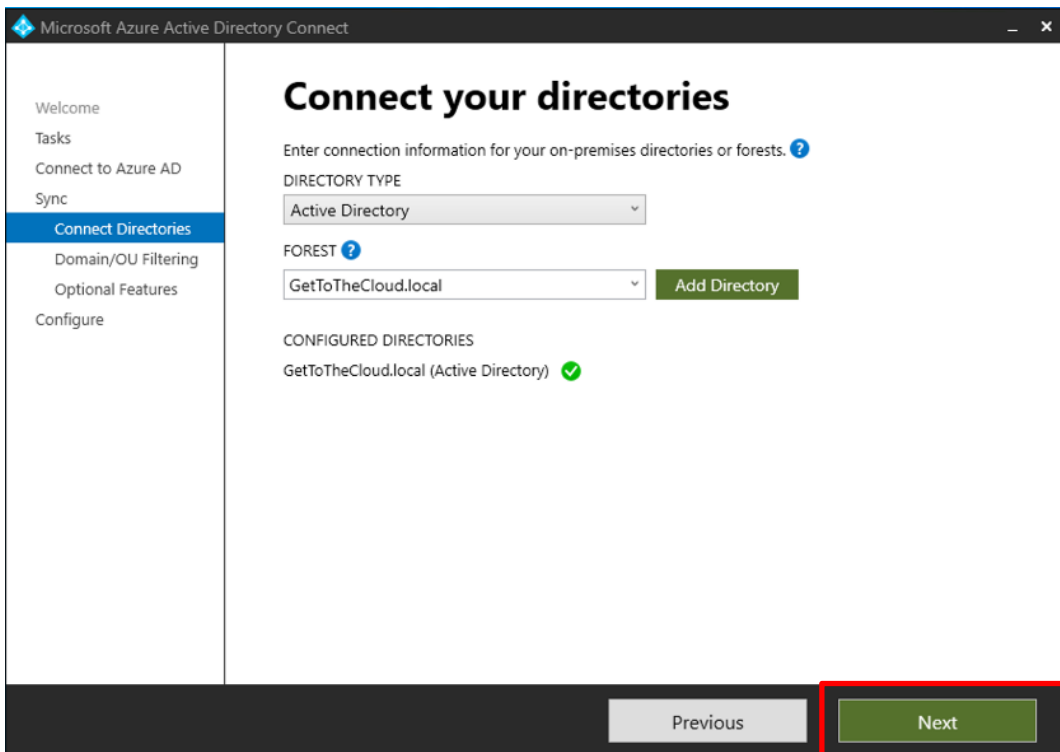
admin@gettotheclouddev.onmicrosoft.com

PASSWORD

.....

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12 Vul het Admin account in en klik Next



Microsoft Azure Active Directory Connect

Welcome

Tasks

Connect to Azure AD

Sync

Connect Directories

Domain/OU Filtering

Optional Features

Configure

Connect your directories

Enter connection information for your on-premises directories or forests. ?

DIRECTORY TYPE

Active Directory

FOREST ?

GetToTheCloud.local

Add Directory

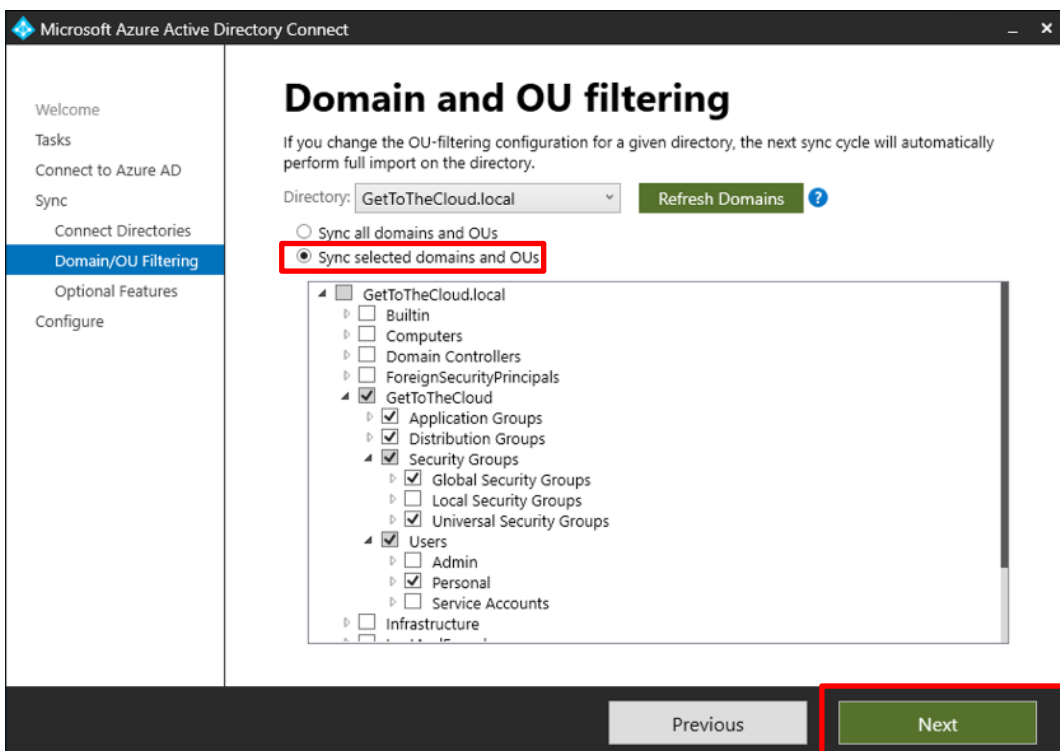
CONFIGURED DIRECTORIES

GetToTheCloud.local (Active Directory) ✓

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Next

13 Klik op Next



Microsoft Azure Active Directory Connect

Welcome

Tasks

Connect to Azure AD

Sync

Connect Directories

Domain/OU Filtering

Optional Features

Configure

Domain and OU filtering

If you change the OU-filtering configuration for a given directory, the next sync cycle will automatically perform full import on the directory.

Directory: GetToTheCloud.local

Refresh Domains ?

☐ Sync all domains and OUs

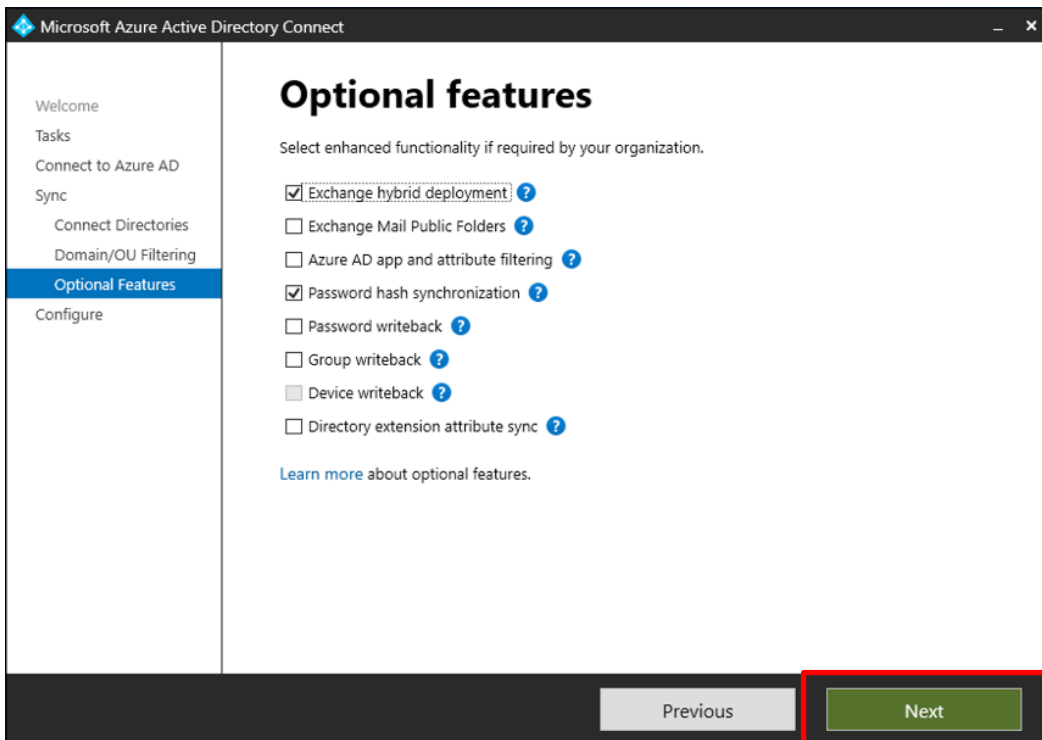
☒ Sync selected domains and OUs

- GetToTheCloud.local
 - Builtin
 - Computers
 - Domain Controllers
 - ForeignSecurityPrincipals
 - GetToTheCloud
 - Application Groups
 - Distribution Groups
 - Security Groups
 - Global Security Groups
 - Local Security Groups
 - Universal Security Groups
 - Users
 - Admin
 - Personal
 - Service Accounts
 - Infrastructure

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14 Zorg dat de geselecteerde OU's alleen aangevinkt zijn



Microsoft Azure Active Directory Connect

Welcome
Tasks
Connect to Azure AD
Sync
Connect Directories
Domain/OU Filtering
Optional Features
Configure

Optional features

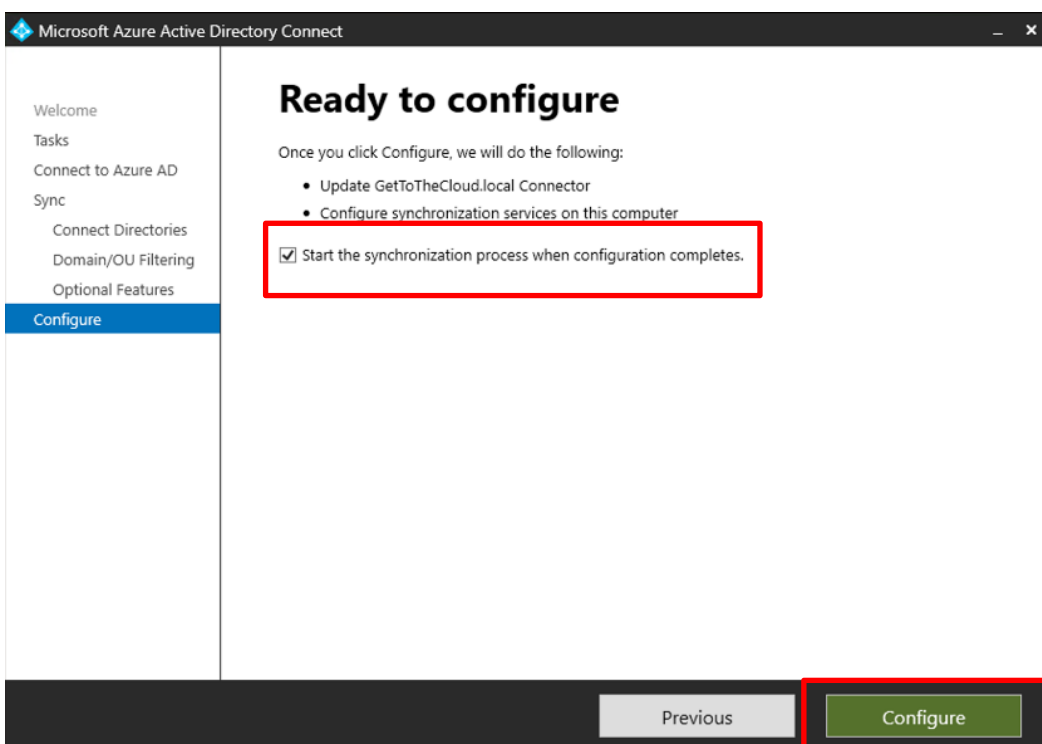
Select enhanced functionality if required by your organization.

- ☒ Exchange hybrid deployment ?
- ☐ Exchange Mail Public Folders ?
- ☐ Azure AD app and attribute filtering ?
- ☒ Password hash synchronization ?
- ☐ Password writeback ?
- ☐ Group writeback ?
- ☐ Device writeback ?
- ☐ Directory extension attribute sync ?

[Learn more](#) about optional features.

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15 Klik op Next



Microsoft Azure Active Directory Connect

Welcome
Tasks
Connect to Azure AD
Sync
Connect Directories
Domain/OU Filtering
Optional Features
Configure

Ready to configure

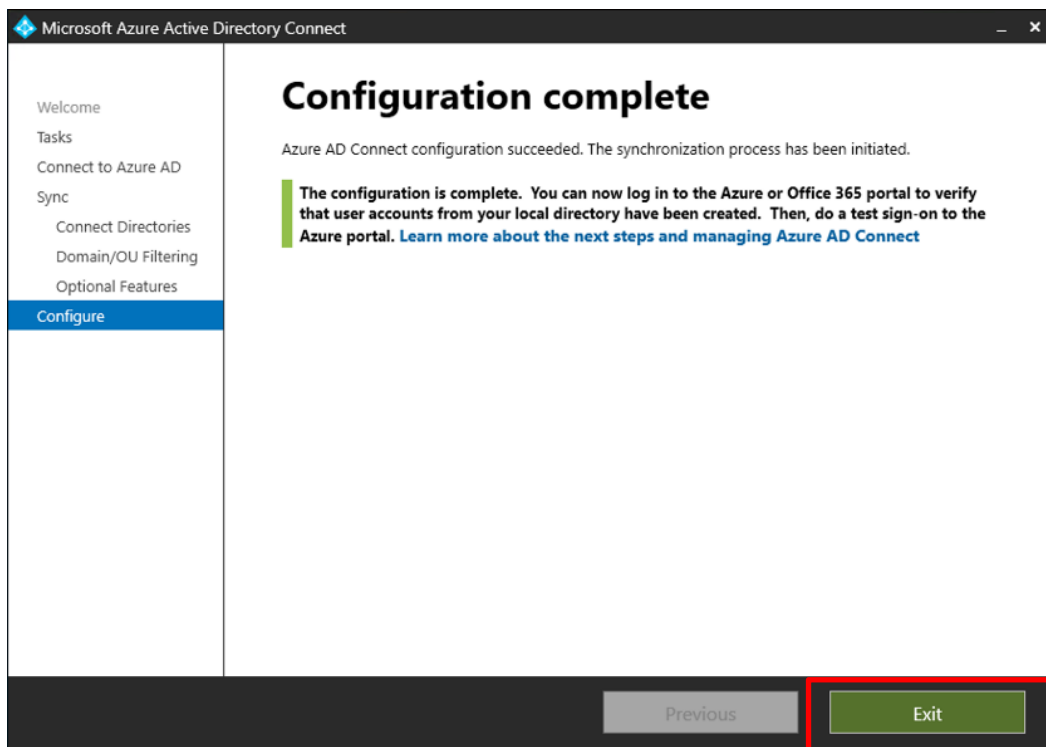
Once you click Configure, we will do the following:

- Update GetToTheCloud.local Connector
- Configure synchronization services on this computer

☒ Start the synchronization process when configuration completes.

Previous Configure

16 Vink *Start the synchronization process when configuration completes* en klik op *Configure*



17 Klik op Exit

Controle synchronisatie

Via de Azure Ad Connect Synchronization Service Manager is te controleren of de synchronisatie met Azure AD goed is gegaan. Het is de bedoeling dat er 49 identiteiten worden toegevoegd en 6 worden geupdate.

Synchronization Service Manager on EX01

File Tools Actions Help

Operations Connectors Metaverse Designer Metaverse Search

Connector Operations

Name	Profile Name	Status	Start Time	End Time
GetToTheCloud.local	Export	success	4/26/2022 12:49:44 PM	4/26/2022 12:49:44 PM
gettotheclouddev.on...	Export	success	4/26/2022 12:49:32 PM	4/26/2022 12:49:44 PM
gettotheclouddev.on...	Full Synchronization	success	4/26/2022 12:49:31 PM	4/26/2022 12:49:32 PM
GetToTheCloud.local	Full Synchronization	success	4/26/2022 12:49:29 PM	4/26/2022 12:49:31 PM
gettotheclouddev.on...	Full Import	completed-no-objects	4/26/2022 12:49:22 PM	4/26/2022 12:49:28 PM
GetToTheCloud.local	Full Import	success	4/26/2022 12:49:21 PM	4/26/2022 12:49:22 PM

Profile Name: Export User Name: NT SERVICE\ADSync

Step Type: Export Partition: default

Start Time: 4/26/2022 12:49:32 PM End Time: 4/26/2022 12:49:44 PM Status: success

Export Statistics		Connection Status	
Adds	49		
Updates	6		
Renames	0		
Deletes	0		
Delete Adds	0		

Export Errors

6 run(s)