AAD Connect setup guide

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Introduction

In this guide you will find a customized configuration of AAD Connect. This setup is done with mostly default and Microsoft recommended settings. This document is part of a set of information about Office 365/Azure AD and SURFnet SURFconext. More information about this can be found on https://wiki.surfnet.nl/display/services/Office+365+Reference+environments

The set was created to help SURF institutions decide whether and how they can use SURFconext federated authentication (and related technology like SURFconext Strong Authentication) with Azure AD services, like Office 365."

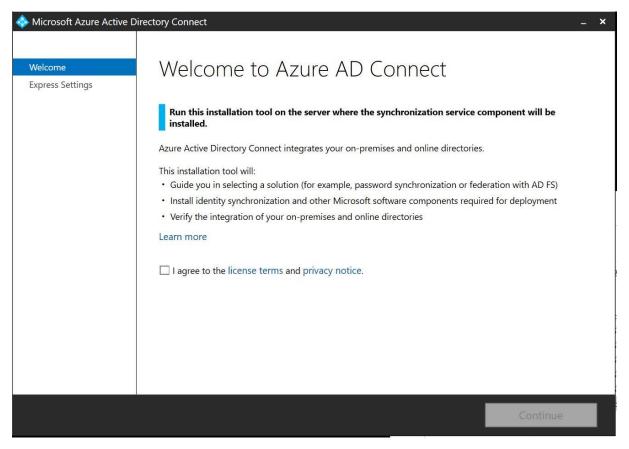
We have tested this working setup in our own environment and if you have any questions or you need help, feel free to contact us via support@surfconext.nl

This document is created on 11-07-2017 based on the components that are current at this date. The most up-to-date version can be found on <u>https://wiki.surfnet.nl/display/services/Microsoft+Office+365</u>



Step 1: Run the AAD Connect tool

Run the AAD Connect tool setup on a server in your domain. The AAD Connect tool can be found here.





Step 2: Select your setup type

You can choose the express settings or to customize your settings. This guide will show you a customized setup.

< Microsoft Azure Active D	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 • Configure password synchronization from on-premises AD to Azure AD • Start an initial synchronization • Synchronize all attributes • Enable Auto Upgrade Learn more about express settings If you would like different settings, click Customize.	
	Customize Use express settings	



Step 3: Install required components

You can choose your own components in this screen. When you don't select a component, AAD Connect will create them for you. In case you don't use a SQL Server installation, AAD Connect will install SQL Express. When you are working with big numbers of users, then SQL Express is not recommended. We did not add any optional configurations.

🚸 Microsoft Azure Active D	Directory Connect -	_ ×
Welcome Express Settings Required Components User Sign-In	Install required components No existing synchronization service was found on this computer. The Azure AD Connect synchronization service will be installed. Optional configuration Specify a custom installation location Use an existing SQL Server Use an existing service account Specify custom sync groups	
	Previous Install	



Step 4: User Sign-in

In this step you can choose the way users are going to sign in. In this case we are going to choose the 'Password Synchronisaztion' option. When you select the 'Enable single sign-on' option, you will provide users with domain joined devices to use single sign on.

🔷 Microsoft Azure Active D	irectory Connect _	×
Microsoft Azure Active D Welcome Express Settings Required Components User Sign-In Connect to Azure AD Sync Connect Directories Azure AD sign-in Domain/OU Filtering Identifying users Filtering Optional Features Configure	 Luser sign on method. Password Synchronization ? Pass-through authentication ? (Preview) Federation with AD FS ? Do not configure ? Select this option to enable single sign-on for your corporate desktop users: Enable single sign-on ? (Preview) 	×
	Previous Next	



Step 5: Connect to Azure AD

Fill in your Office 365 tenant admin password to connect to Azure AD

🚸 Microsoft Azure Active D	irectory Connect		_ ×
Welcome Express Settings Required Components User Sign-In Connect to Azure AD Sync Connect Directories Azure AD sign-in Domain/OU Filtering Identifying users Filtering Optional Features AD FS Farm Azure AD Domain Configure Verify	Connect to Azure AD Enter your Azure AD credentials. ? USERNAME PASSWORD		
		Previous	Next



Step 6: Connect your directories Azure AD Connect will need the forest name to connect with your AD domain services

I crosoft Azure Active D	Directory Connect	- ×
Welcome Express Settings Required Components User Sign-In Connect to Azure AD Sync Connect Directories Azure AD sign-in Domain/OU Filtering Identifying users Filtering Optional Features AD FS Farm Azure AD Domain Configure Verify	Connect your directories Inter connection information for your on-premises directories or forests. C DIRECTORY TYPE Active Directory COREST C Mod Directory No directories are currently configured.	
	Previous	



Step 7: AD Forest account

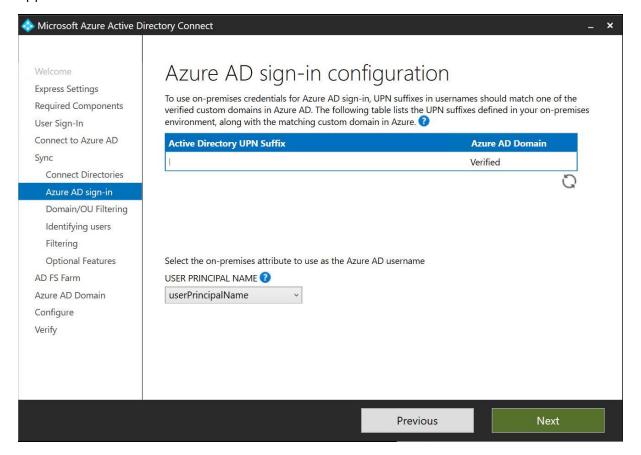
Azure AD Connect will need an AD Forest account to connect with your AD domain services. If you don't have one, you could let AD connect create one for you.

🐟 AD Forest account	-	×
AD Forest account		
An account with sufficient permissions is required for periodic synchronization. You can use an existing AD account or alternatively Azure AD Connect can create an account for you. This option requires you to enter Enterprise Admin credentials.		
Select whether to use an existing AD account or create a new one by entering Enterprise Admin credentials.		
O Use existing account.		
○ Create new account.		
USERNAME		
CONTOSO.COM\username		
PASSWORD		
OK Cancel		



Step 8: Azure AD sign-in configuration

On this page your Office 365 domains will be visible. The verification status will also be visible. In this step, you can choose what AD attribute will be used as User Principal Name. The use of an alternative UPN (such as email), is not supported by every Office 365 application.





Step 9: Domain and OU filtering

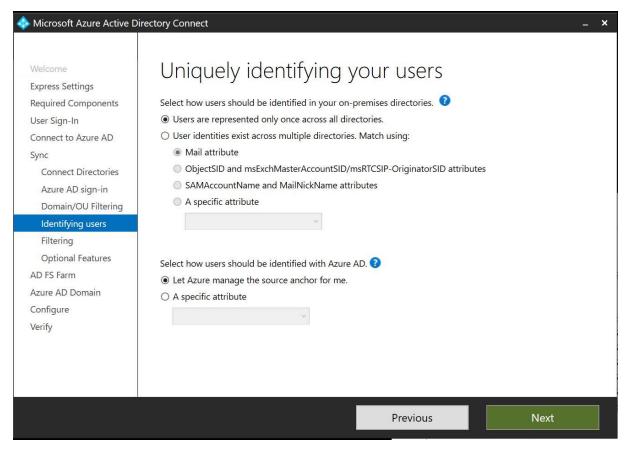
In this step you can select the domains and OU's you would want to sync. By default all domains and OU's are synced.

Microsoft Azure Active D	virectory Connect	- ×
Welcome Express Settings Required Components User Sign-In Connect to Azure AD Sync Connect Directories Azure AD sign-in	Domain and OU filtering Directory: Refresh Ou/Domain • Sync all domains and OUs • Sync selected domains and OUs • I • I • I	
Domain/OU Filtering Identifying users Filtering Optional Features AD FS Farm		
Azure AD Domain Configure Verify		
	Previous	



Step 10: Uniquely identifying your users

In this step, you can select if users are represented only once across all directories or not. If not, you are able to select an attribute by which the users are identified. You can also select the way users in Azure AD should be identified. You can only set this once for a user! ObjectGUID would be a good attribute to use, or you could just let Azure choose the source anchor for you.





Step 11: Filter users and devices

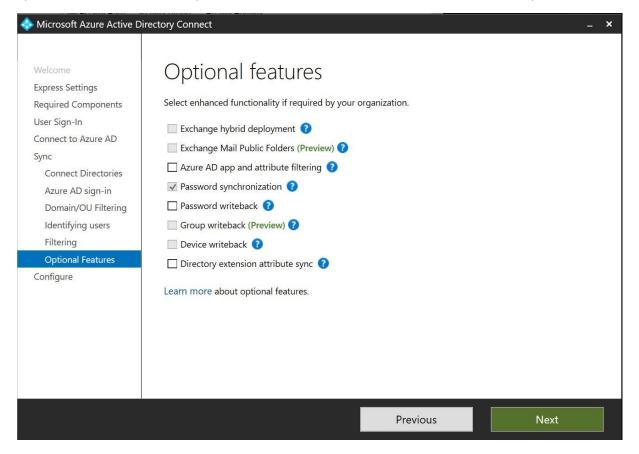
In this step, you are able to select users and devices that should or should not be synchronized. By default all users and devices are being synced.

< Microsoft Azure Active D	rectory Connect –	×
Welcome Express Settings Required Components User Sign-In Connect to Azure AD Sync Connect Directories Azure AD sign-in Domain/OU Filtering Identifying users	Filter users and devices For a pilot deployment, specify a group containing your users and devices that will be synchronized. Nested groups are not supported and will be ignored. • Synchronize all users and devices • Synchronize selected • POREST Enter a name or DN of a group	
Filtering		
Optional Features AD FS Farm Azure AD Domain Configure Verify		
	Previous	



Step 12: Optional features

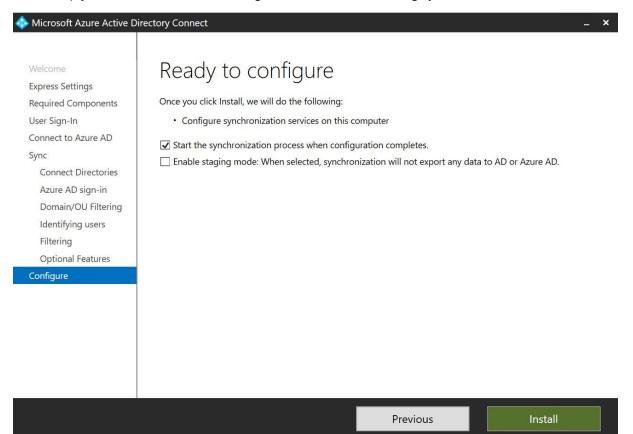
In this step you can select optional features based on your situation. We are using the Password synchronization, but NOT the password writeback because this is not recommended by Microsoft.





Step 13: Ready to configure

In this step you are able to start the configuration of all of the settings you've selected.





Step 14: Configuration Complete

In this step you will see a summary of completed steps, warnings and errors. In this case it is recommended to enable the AD recycle bin.

