

## **Enterprise Identity**

**Hybrid Identity & Device Synchronization** 

**Technical Guide** 

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#### **How to Setup Domain Controller!**

To install Active Directory Domain Services (ADDS) on a Windows Server 2022, follow these steps:

- 1. Log in to your Windows Server 2022 as an administrator.
- 2. Open the Server Manager by clicking on the Server Manager icon on the taskbar, or by typing "Server Manager" in the Start menu.
- 3. In the Server Manager, click on the "Add roles and features" option in the dashboard.
- 4. In the "Add Roles and Features Wizard," click "Next" on the Before You Begin page.
- 5. On the "Installation Type" page, select "Role-based or feature-based installation," and click "Next."
- 6. On the "Server Selection" page, select the server you want to install ADDS on, and click "Next."
- 7. On the "Server Roles" page, select "Active Directory Domain Services," and click "Add Features" when prompted to add required features.
- 8. On the "Features" page, click "Next" without selecting any additional features.
- 9. On the "AD DS" page, review the information, and click "Next."
- 10. On the "Confirmation" page, review your selections, and click "Install" to start the installation.
- 11. Wait for the installation to complete, and then click "Close" on the "Results" page.
- 12. After the installation completes, you will see a notification to complete the AD DS Configuration Wizard. Click on "Promote this server to a domain controller" link to open the wizard.
- 13. In the wizard, select "Add a new forest" and enter the root domain name, and follow the prompts to configure the domain and the directory services.
- 14. When the configuration is complete, click "Finish" to close the wizard.
- 15. Reboot your server to complete the installation.

You have now successfully installed ADDS on your Windows Server 2022.

#### How to Setup Remote Server Administration Tools on Staging Server!

12<sup>th</sup> Page Last Slide > *Enable Staging Mode* (Uncheck First Option – Do not check both Options)

To install Remote Server Administration Tools (RSAT) on a member server, follow these steps:

- 1. Log in to your Windows Server 2022 as an administrator.
- 2. Join your Staging Server to existing domain.
- 3. Restart your server after joining the domain and login with Domain Admin account.
- 4. Open PowerShell as an administrator.
- 5. Run the following command to install the RSAT tools for Active Directory Domain Services:

Install-WindowsFeature RSAT-ADDS -IncludemanagementTools

6. Install Azure AD Connect Agent on this server <a href="https://www.microsoft.com/en-us/download/details.aspx?id=104056">https://www.microsoft.com/en-us/download/details.aspx?id=104056</a>

7. Follow the steps from Microsoft official documentation <a href="https://learn.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-express">https://learn.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-express</a>

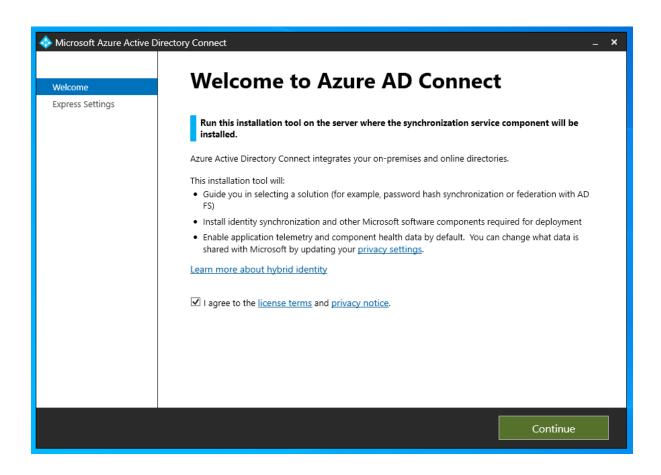
#### How to Setup Remote Server Administration Tools on Sync Server!

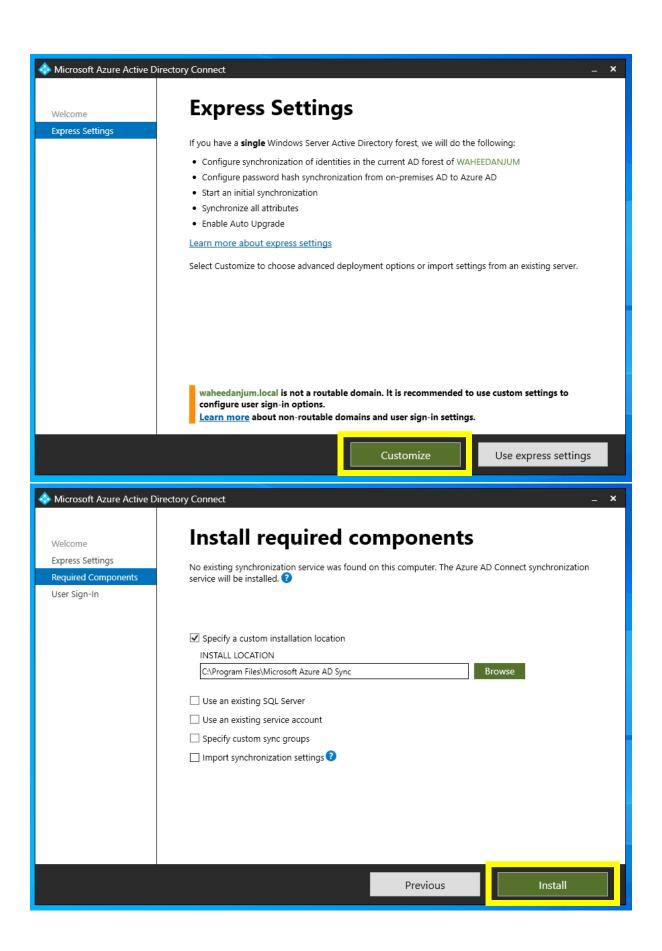
To install Remote Server Administration Tools (RSAT) on a member server, follow these steps:

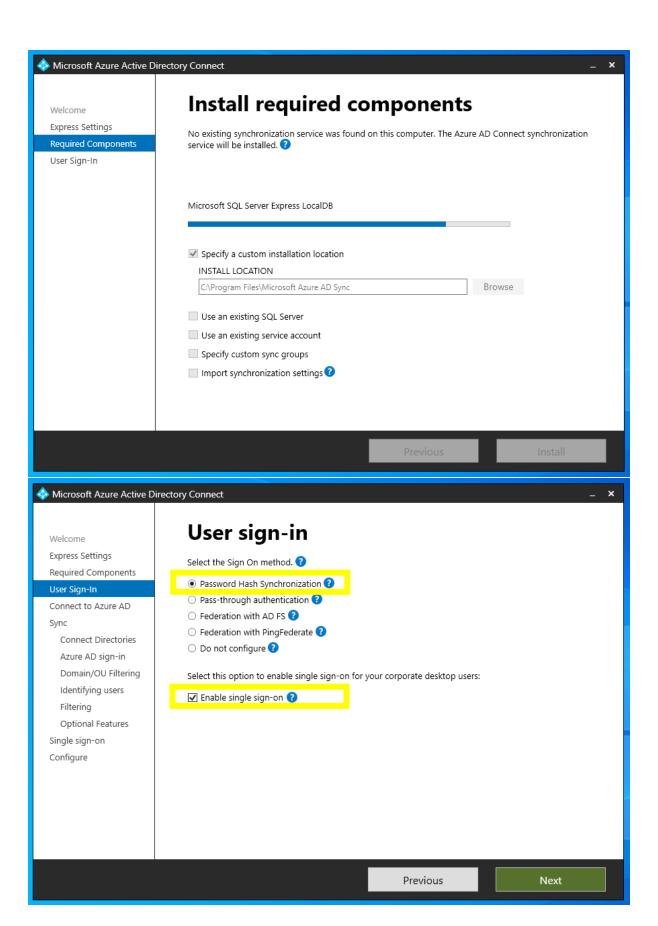
- 1. Log in to your Windows Server 2022 as an administrator.
- 2. Join your Staging Server to existing domain.
- 3. Restart your server after joining the domain and login with Domain Admin account.
- 4. Open PowerShell as an administrator.
- 5. Run the following command to install the RSAT tools for Active Directory Domain Services:

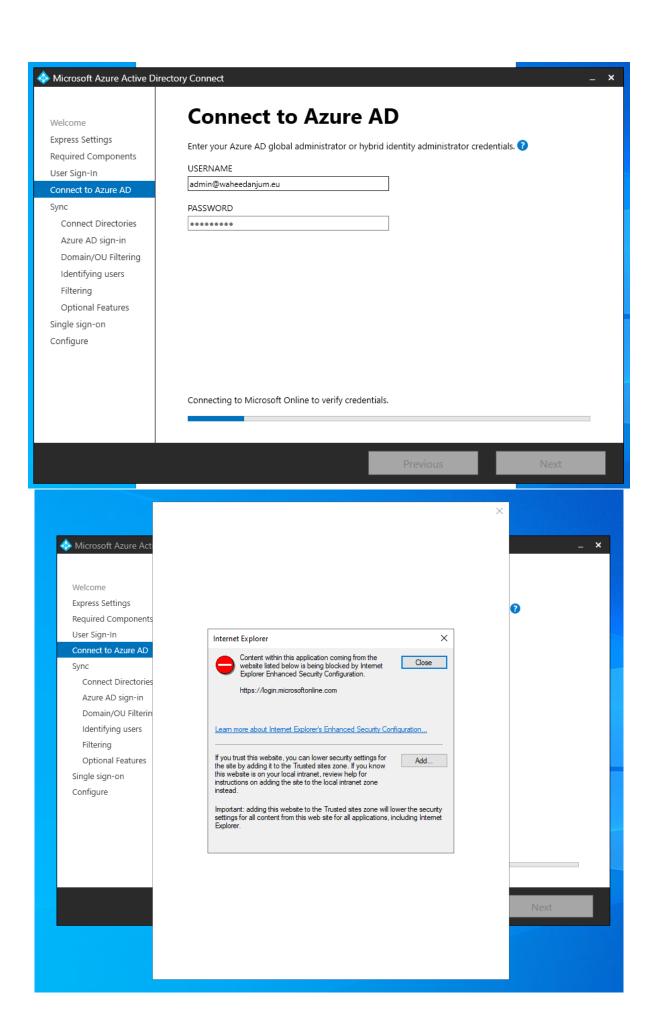
Install-WindowsFeature RSAT-ADDS -IncludemanagementTools

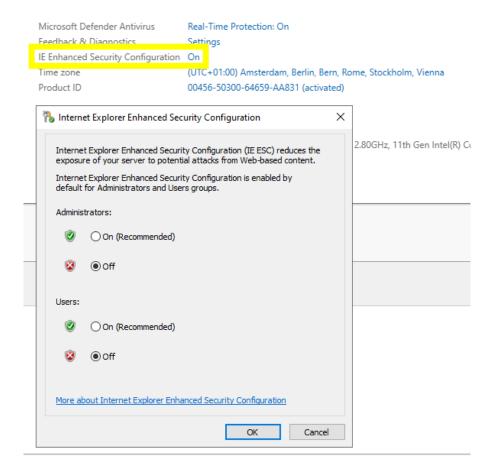
- 6. Install Azure AD Connect Agent on this server <a href="https://www.microsoft.com/en-us/download/details.aspx?id=104056">https://www.microsoft.com/en-us/download/details.aspx?id=104056</a>
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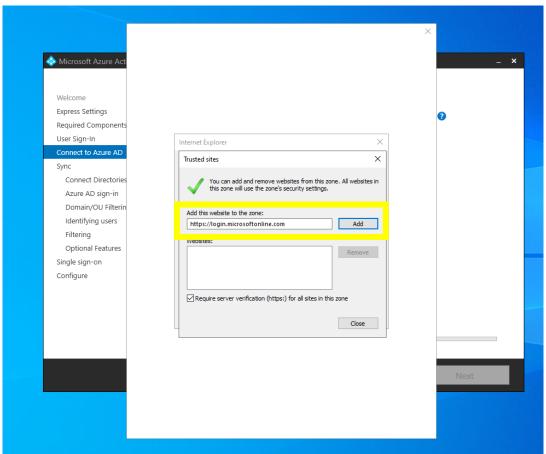


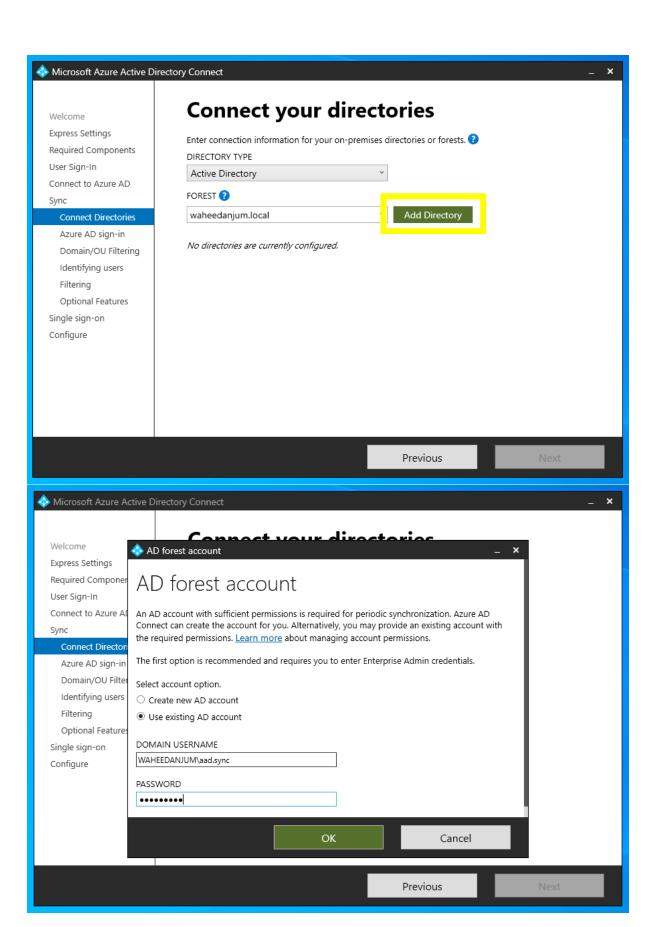


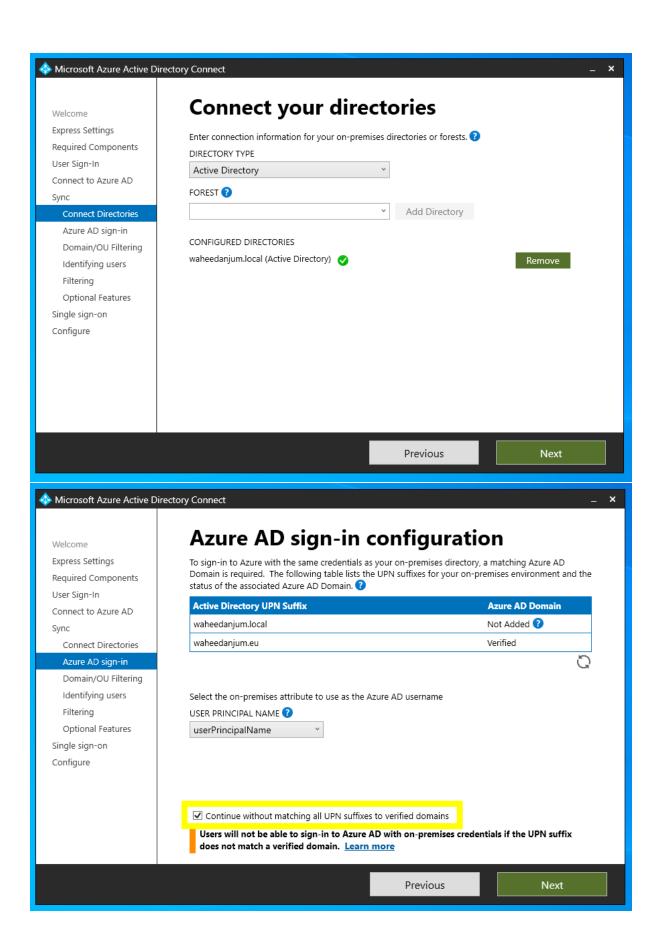


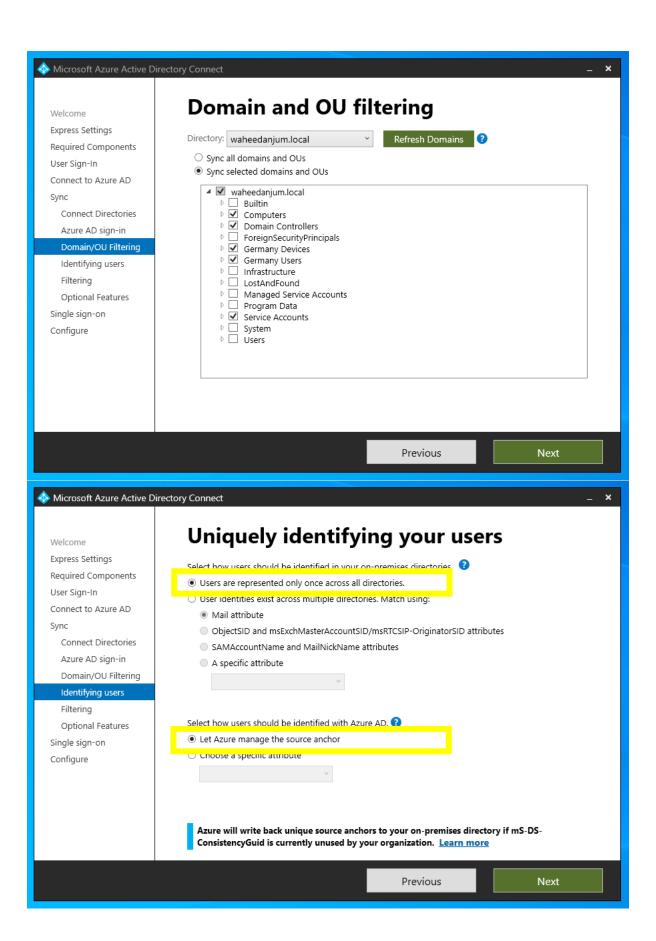


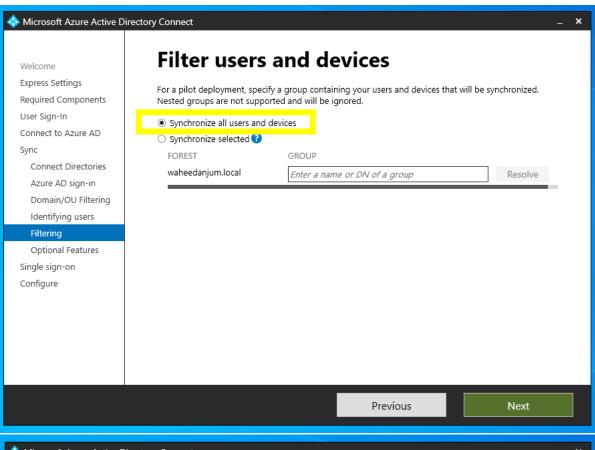


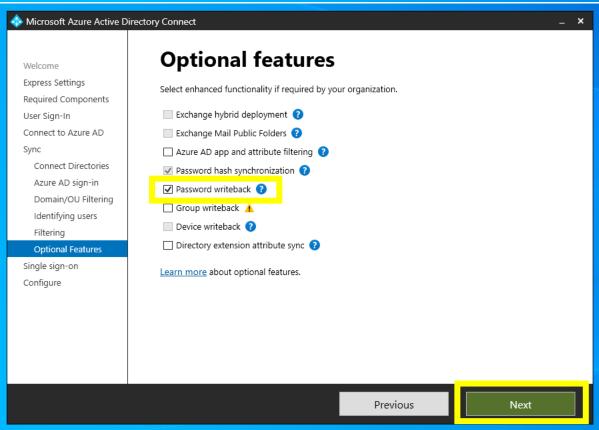


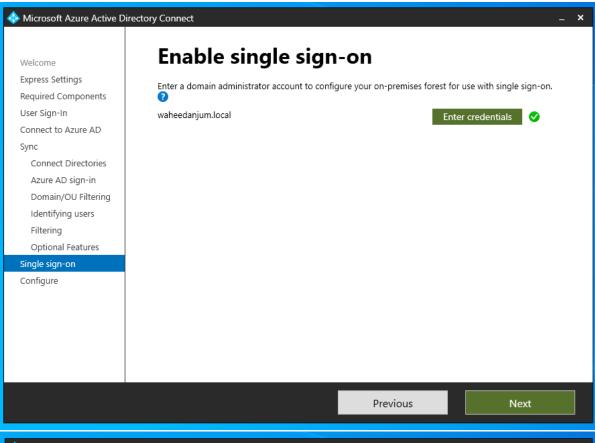


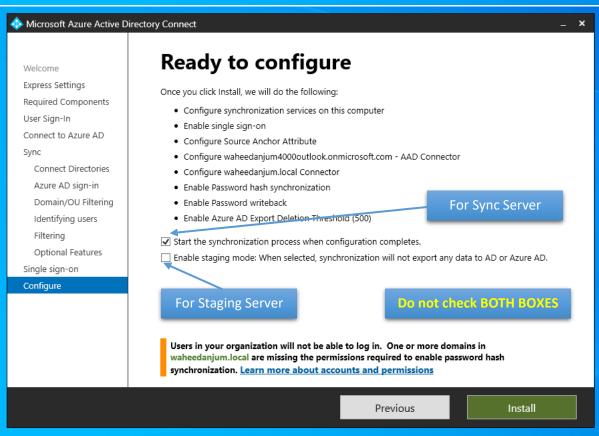


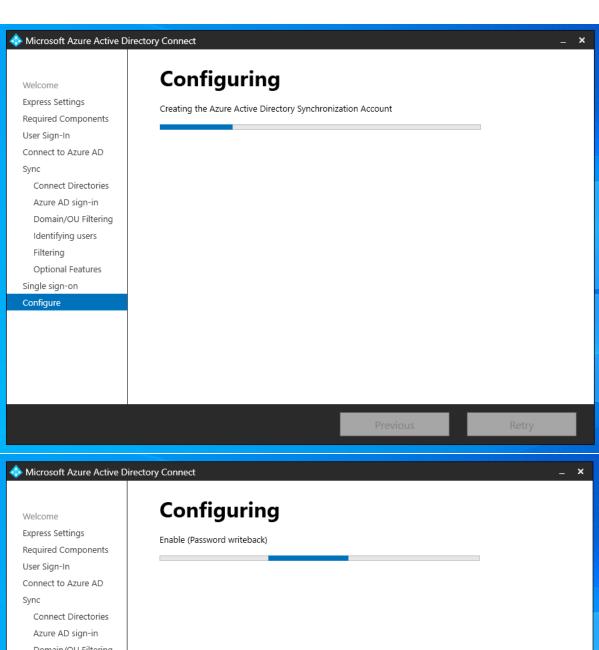


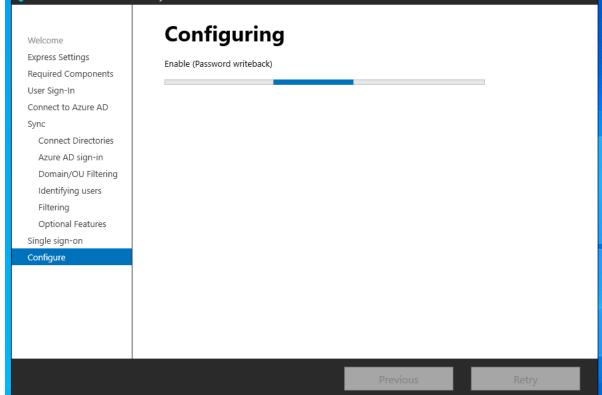


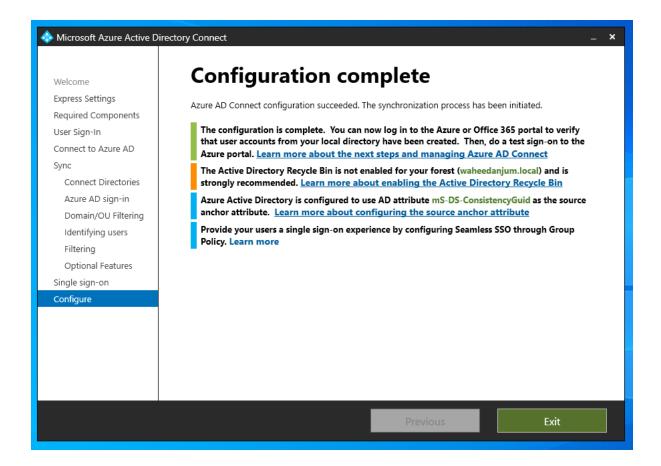




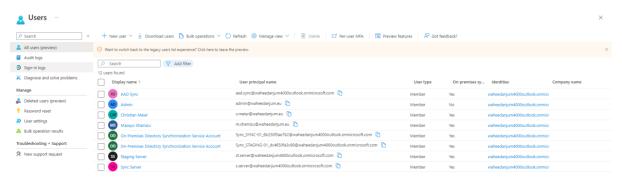








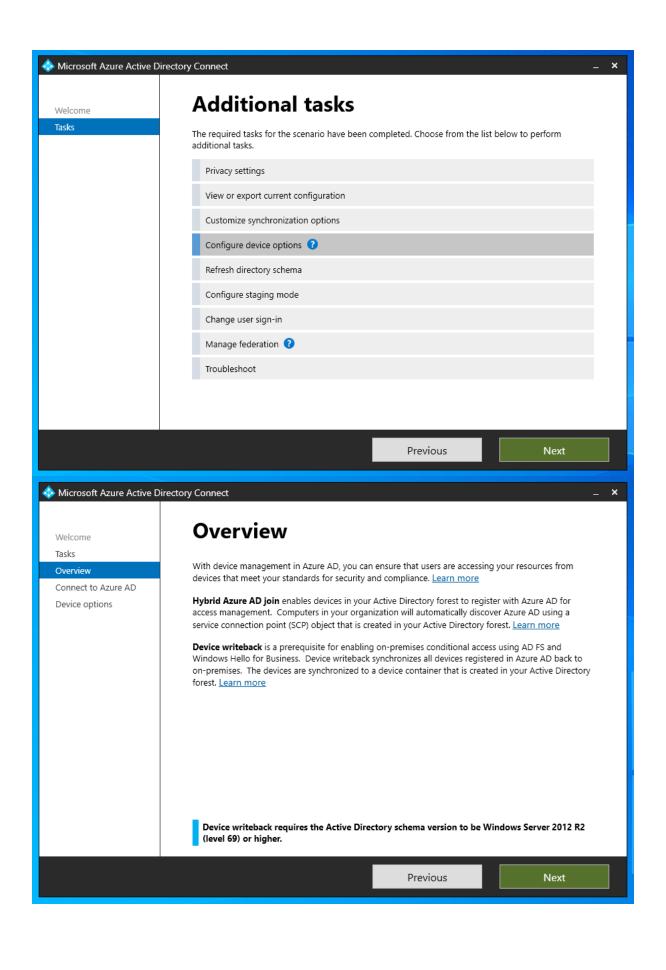
Go to Azure AD > Users > All the selected Local AD objects are synchronised!

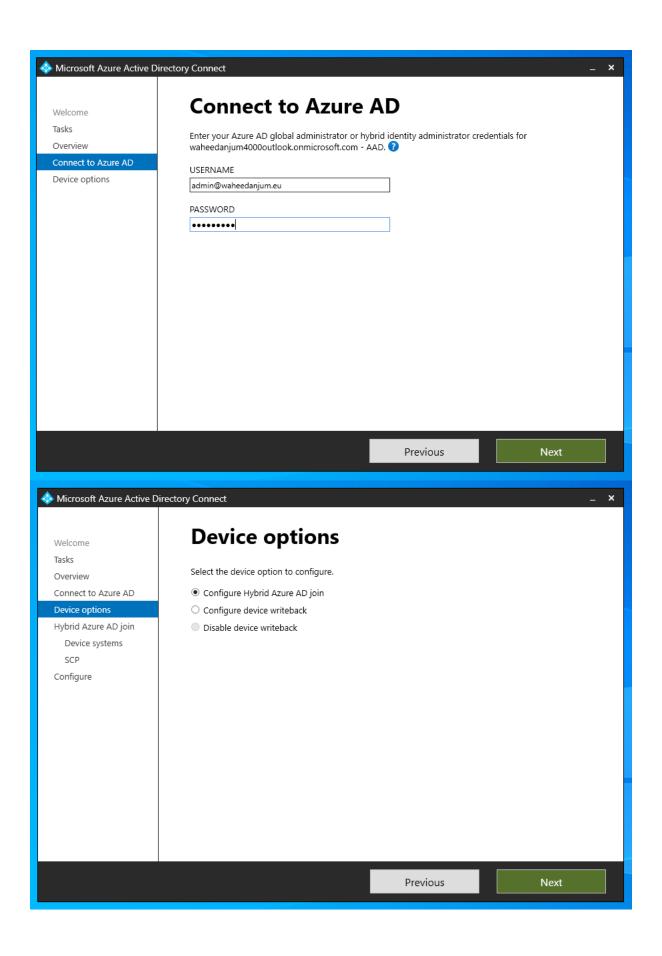


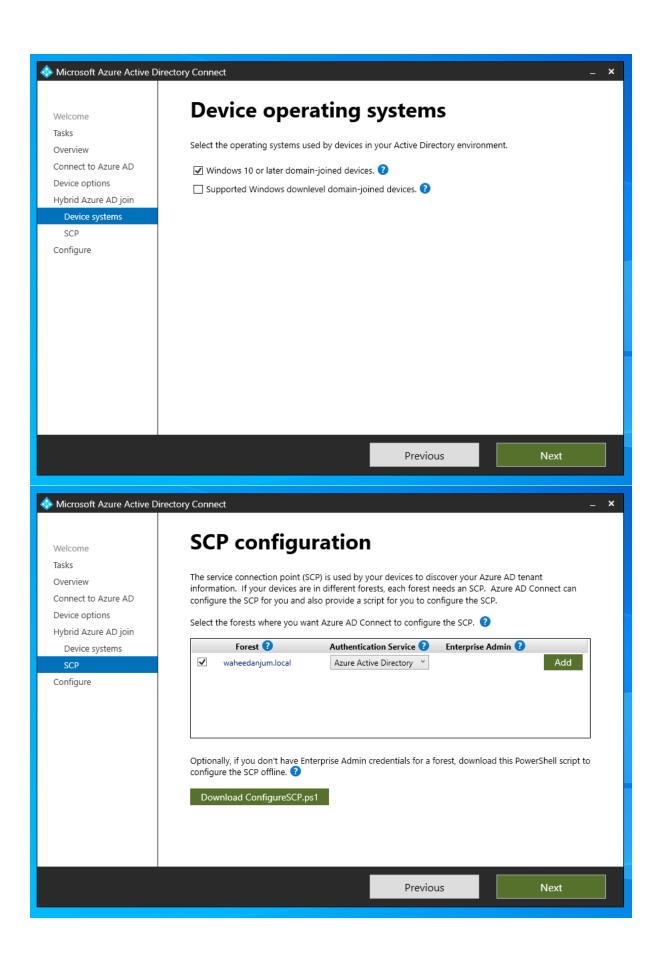
#### **How to synchronize Local AD Devices to Azure Active Directory!**

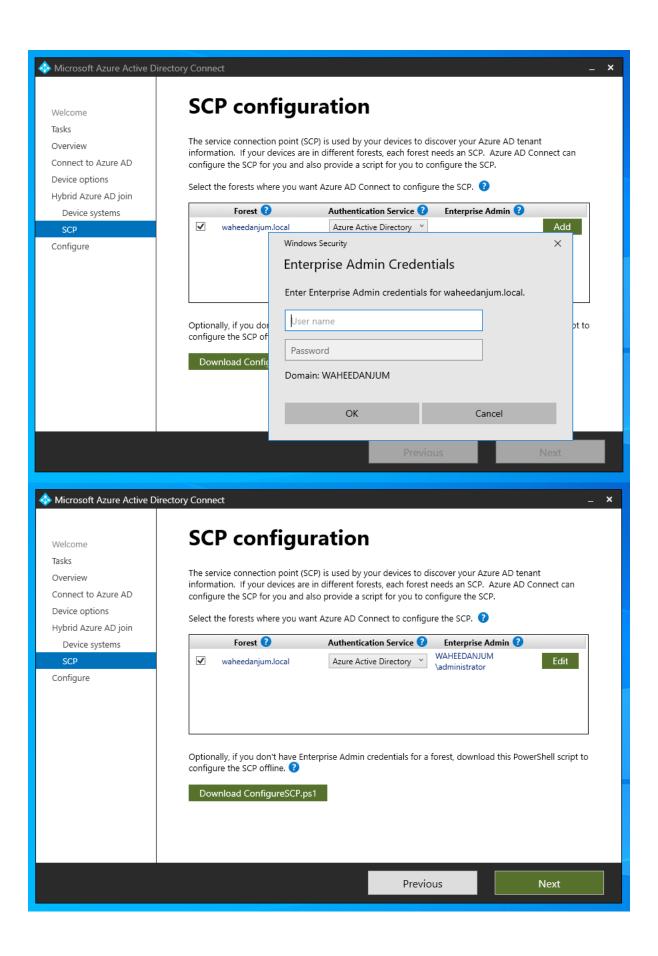
To synchronize local Active Directory (AD) devices to Azure AD, follow these steps:

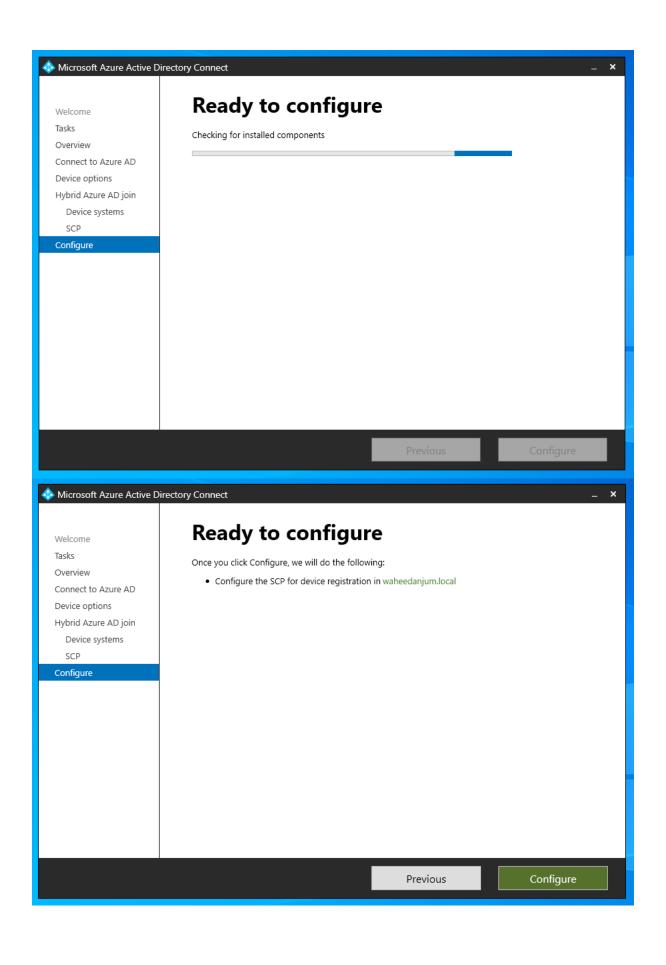
- 1. Log in to your Windows Server 2022 as an administrator.
- 2. Open Azure AD Connect Agent and follow the screenshots

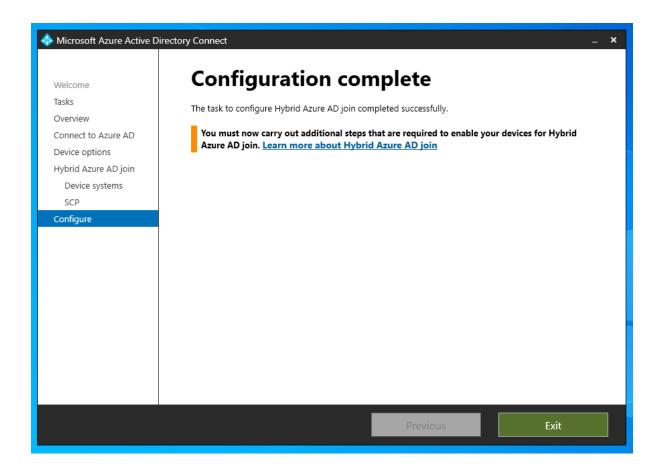




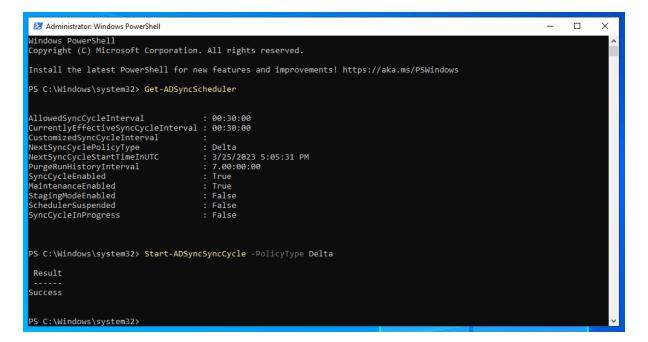








Open PowerShell with Administrator rights and run the following command to make immediate sync with Azure AD.



### **Good Luck!**