

**Objective:** Create Azure (Entra) Connect AD Connect server in staging mode.

**Equipment:**

Keepass

Member server

Admin access to all required resources to perform required work in on-prem Windows Active Directory, member server, and entra.microsoft.com MS Entra Admin Portal.

**Procedures:**

1. Click on app and select install, agree, and click on Customize. Refer to figure 1.0.

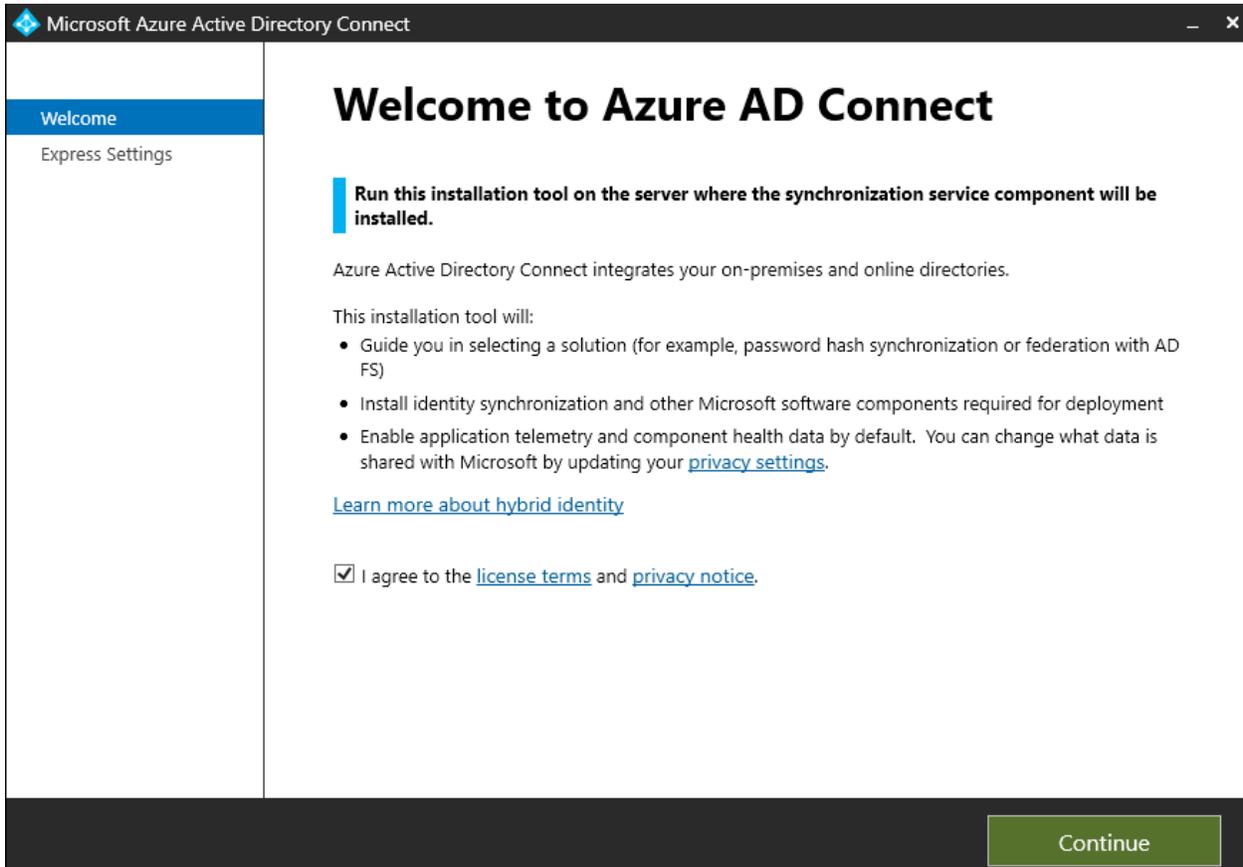


Figure 1.0 Initial setup

2. When Azure AD Connect app comes up, click on Customize. Refer to figure 1.1.
3. From "Install required components" GUI, click on Import synchronization settings. Refer to figure 1.2.
4. Browse to your downloads area for the Exported-SynchronizationPolicy, then click on Install. Refer to figure 1.2.

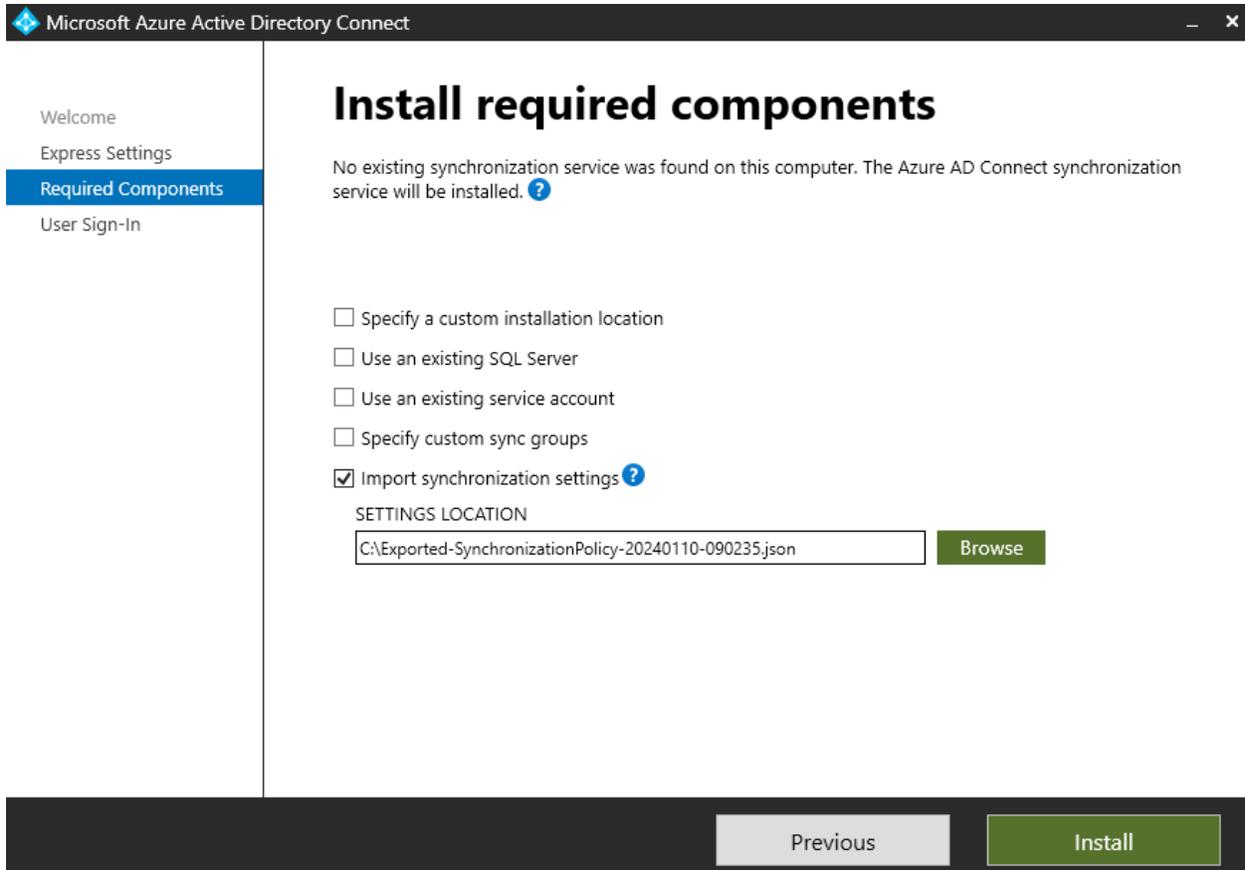


Figure 1.2 Import SynchronizationPolicy from non-stagging AADC server

Notes: install process is creating Azure local groups and local services. For ADSyncAdmins, verify correct domain groups are in there for this to work. Do a comparison with other AADC production servers.

5. From the “User sign-in” GUI, select Password Has Synchronization and click Next. Refer to figure 1.3.

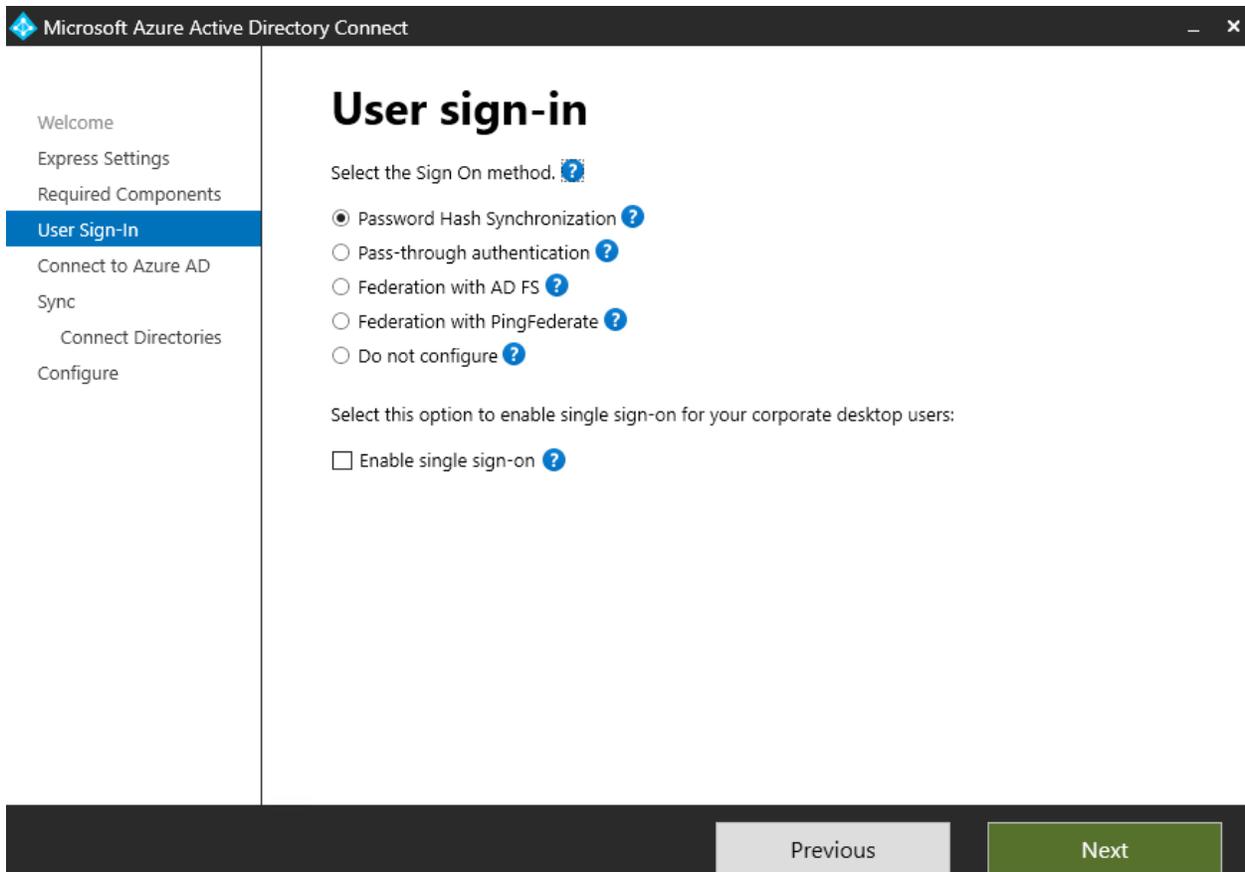


Figure 1.3 Password Has Synchronization

- From the “Connect to Azure AD” GUI, enter specific user credentials and click Next. Refer to figure 1.4.

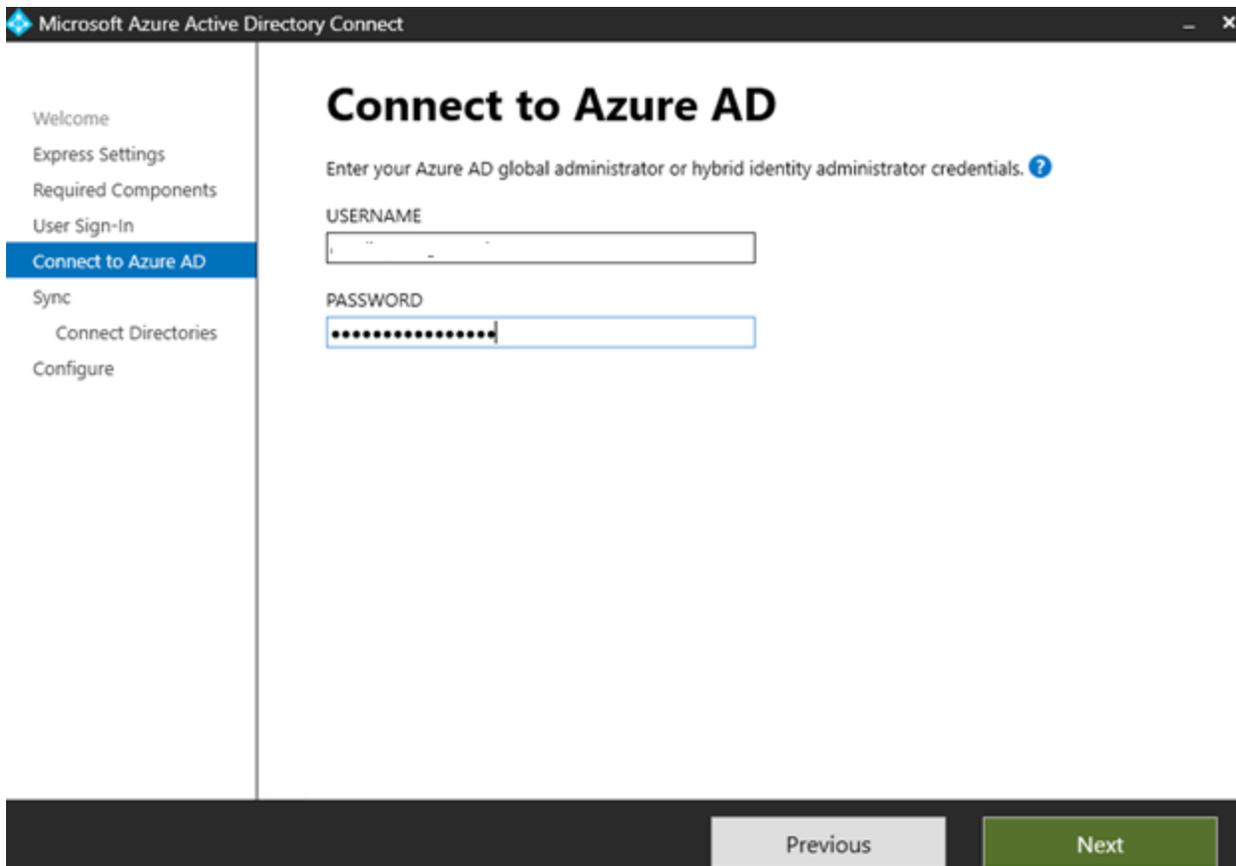


Figure 1.4 Enter specific user credentials

7. From “Connect your directories” GUI, click on Change Credentials. Refer to figure 1.5.

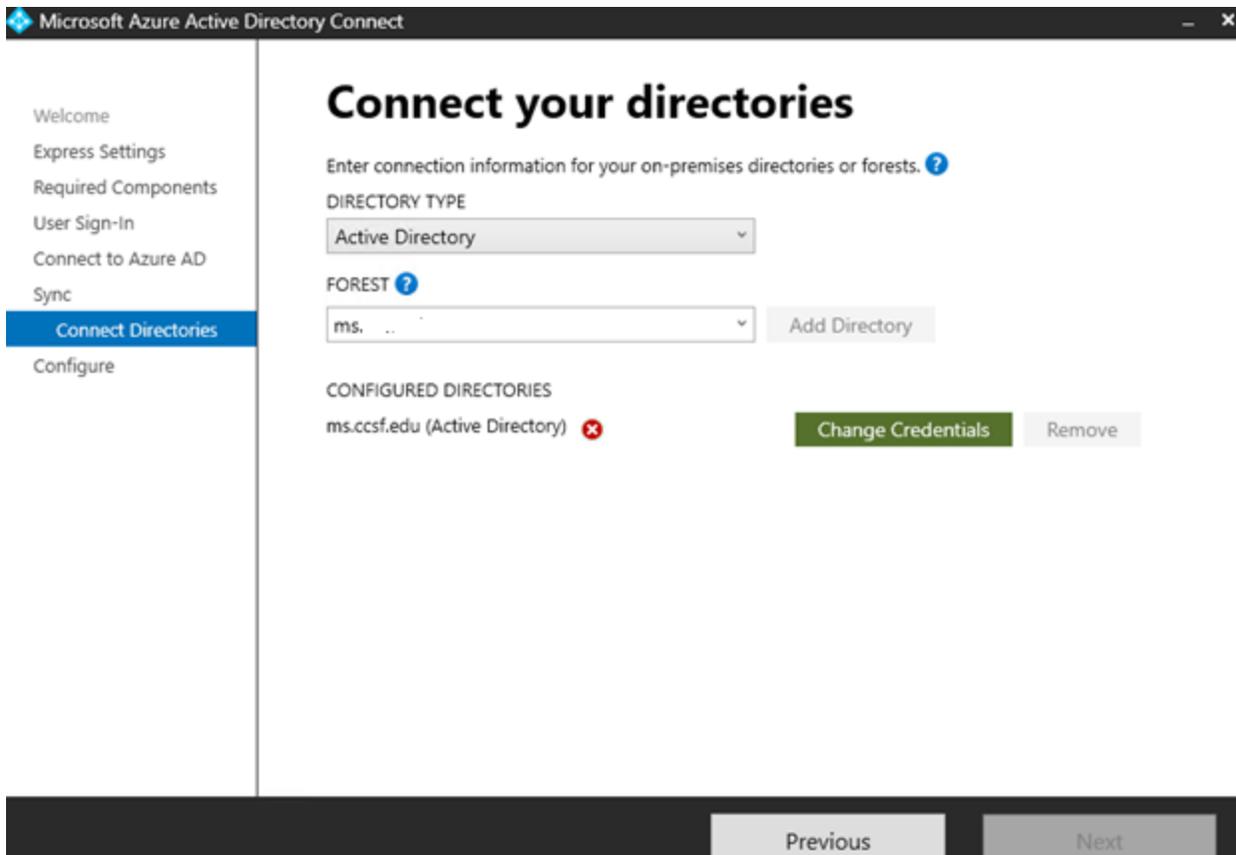


Figure 1.5 Change Credentials

8. From AD forest account GUI, specific credentials and click OK. Refer to figure 1.6.

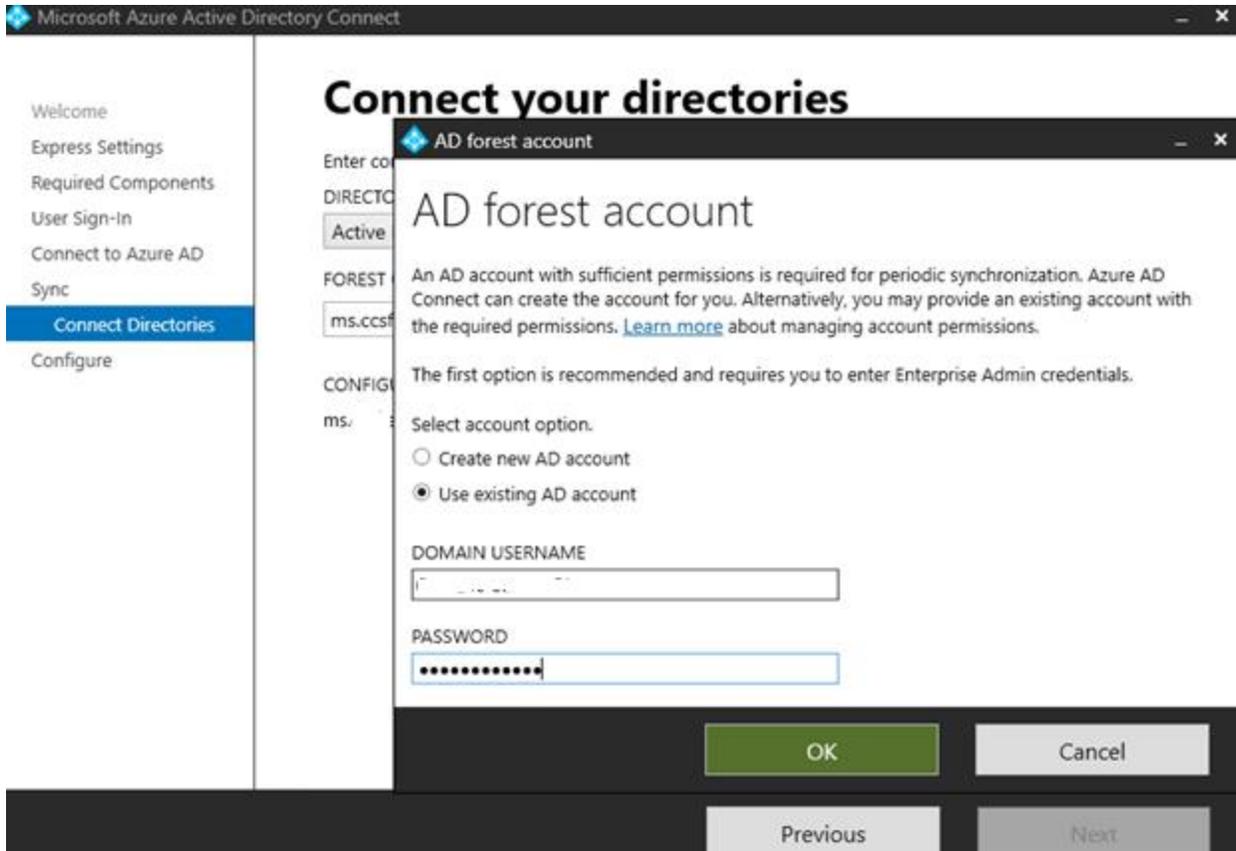


Figure 1.6 Use existing AD account

9. From “Connect your directories” GUI, verify Configured Directories area is green and click Next. Refer to figure 1.7.

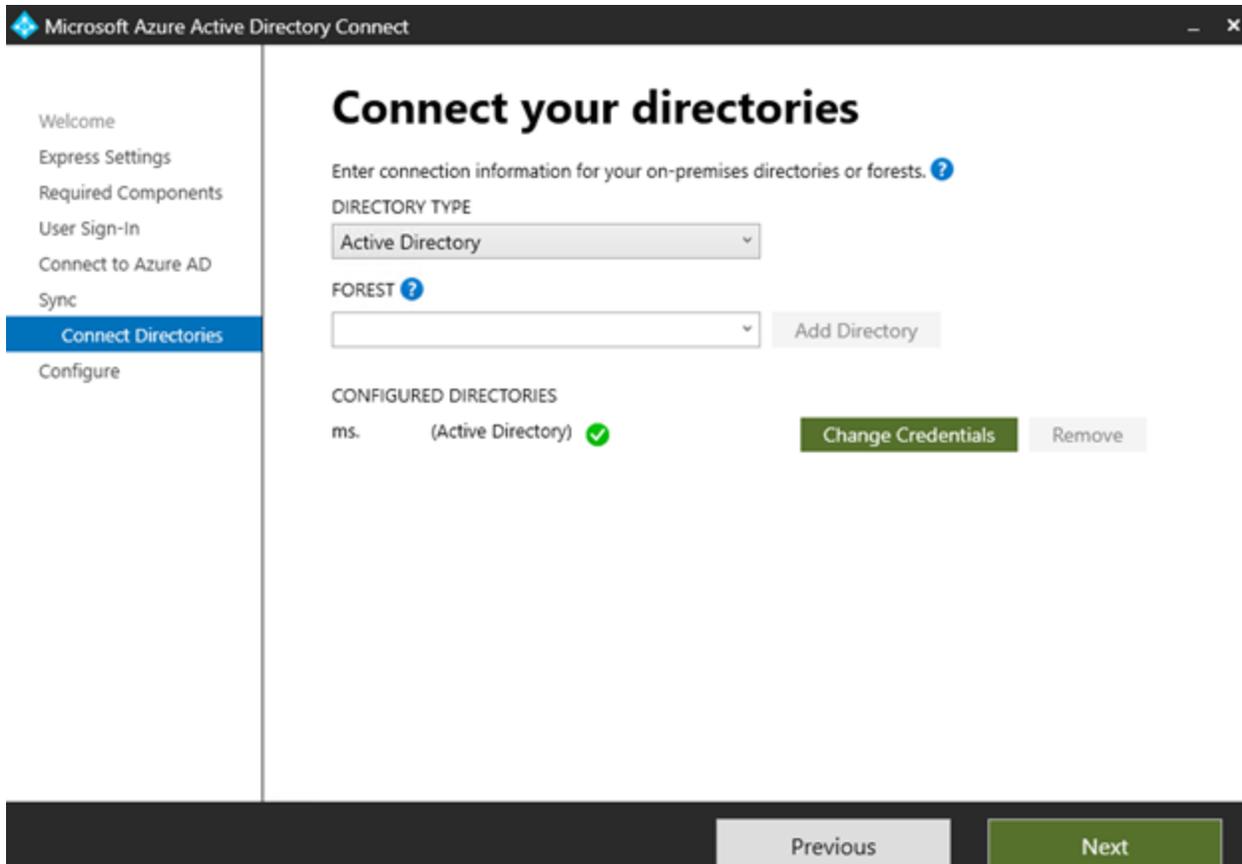


Figure 1.7 Configured Directories is green

10. From “Ready to configure” GUI, verify 2 displayed parameters are select and click Install. Refer to figure 1.8.

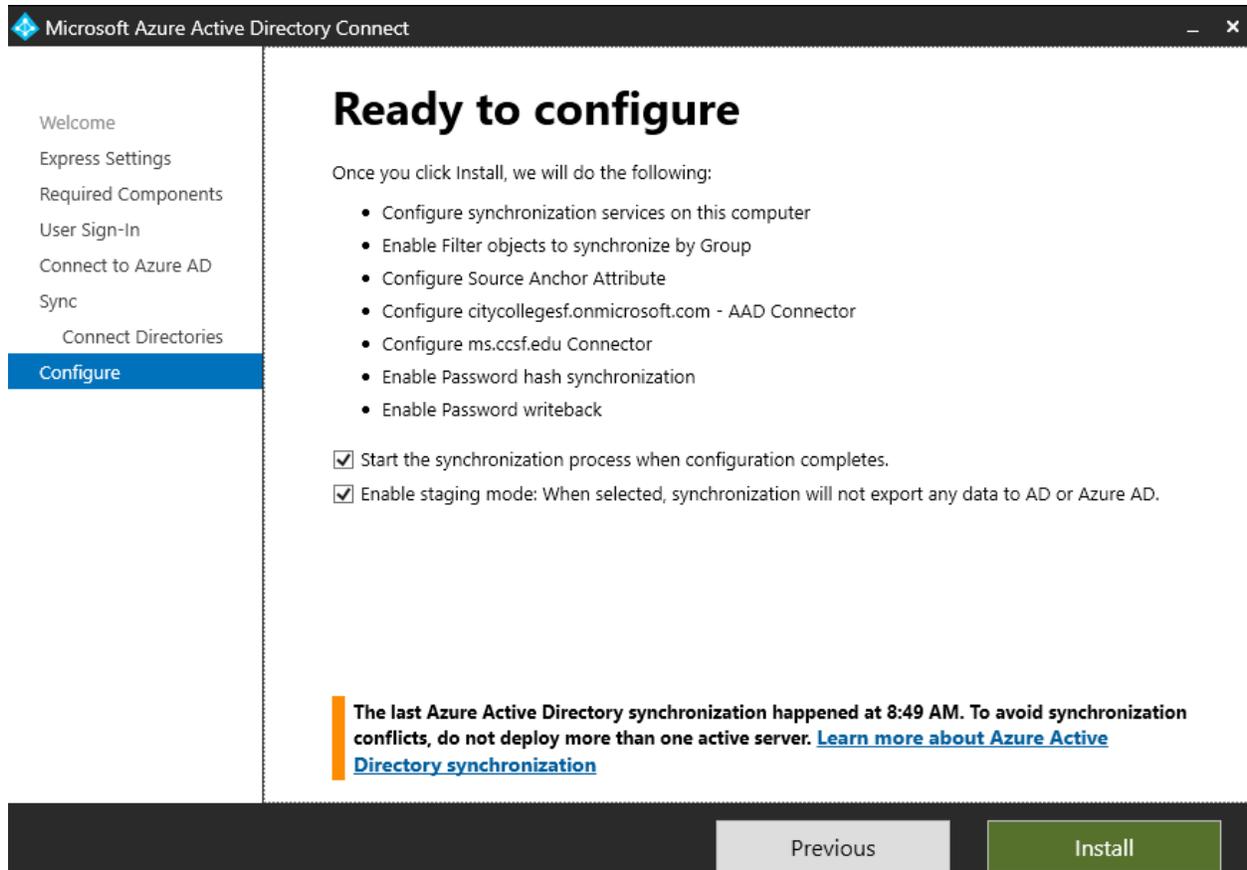


Figure 1.8 AADC staging mode

11. Wait for install to complete and verify similar to figure 1.9 is displayed, then click Exit.

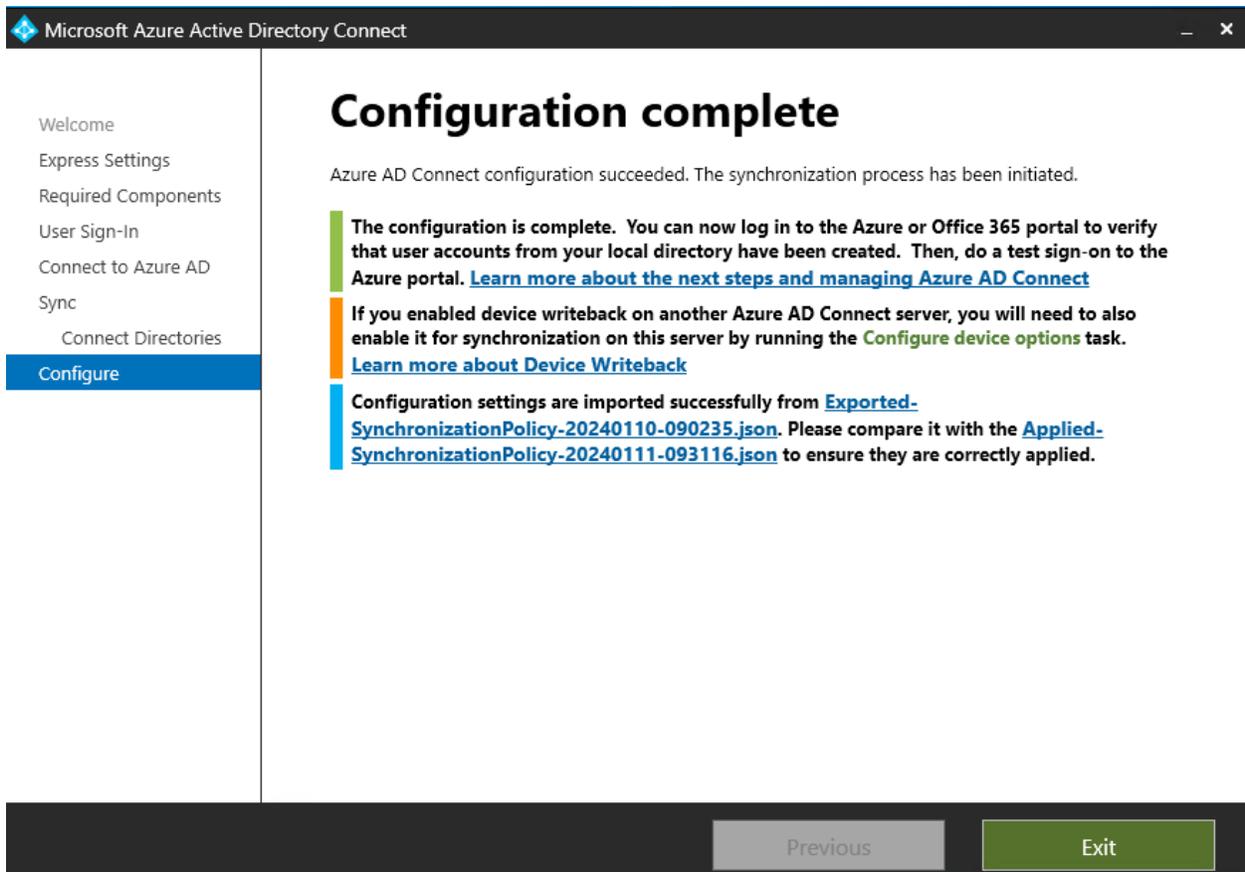


Figure 1.9 Complete

12. From staging server, bring up computer management.
13. Go to Groups, then click on ADSync Admins.
14. Verify your setup matches what is displayed from figure 2.0.

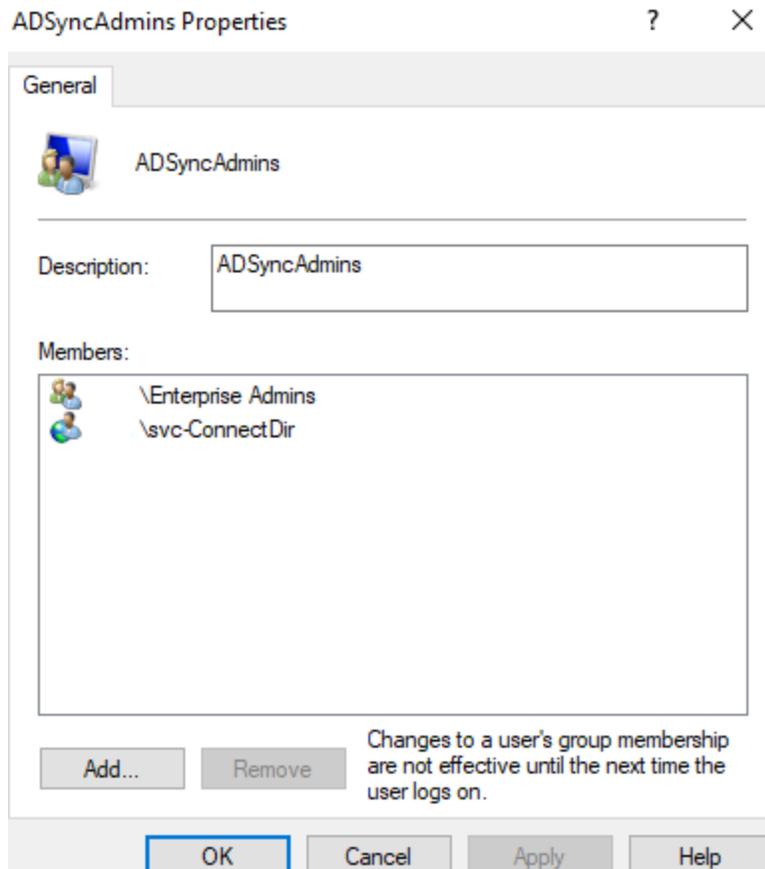


Figure 2.0 members of ADSync Admins

15. Reboot server.
16. RDC into stagging server when it is up again.
17. Check on services and verify "Microsoft Azure AD Sync" is running. If is not enter the password for it, and restart the service.
18. From the server, check Azure AD Connect Synchronization Service is running by click on More, then Run as administrator. Refer to figure 2.1

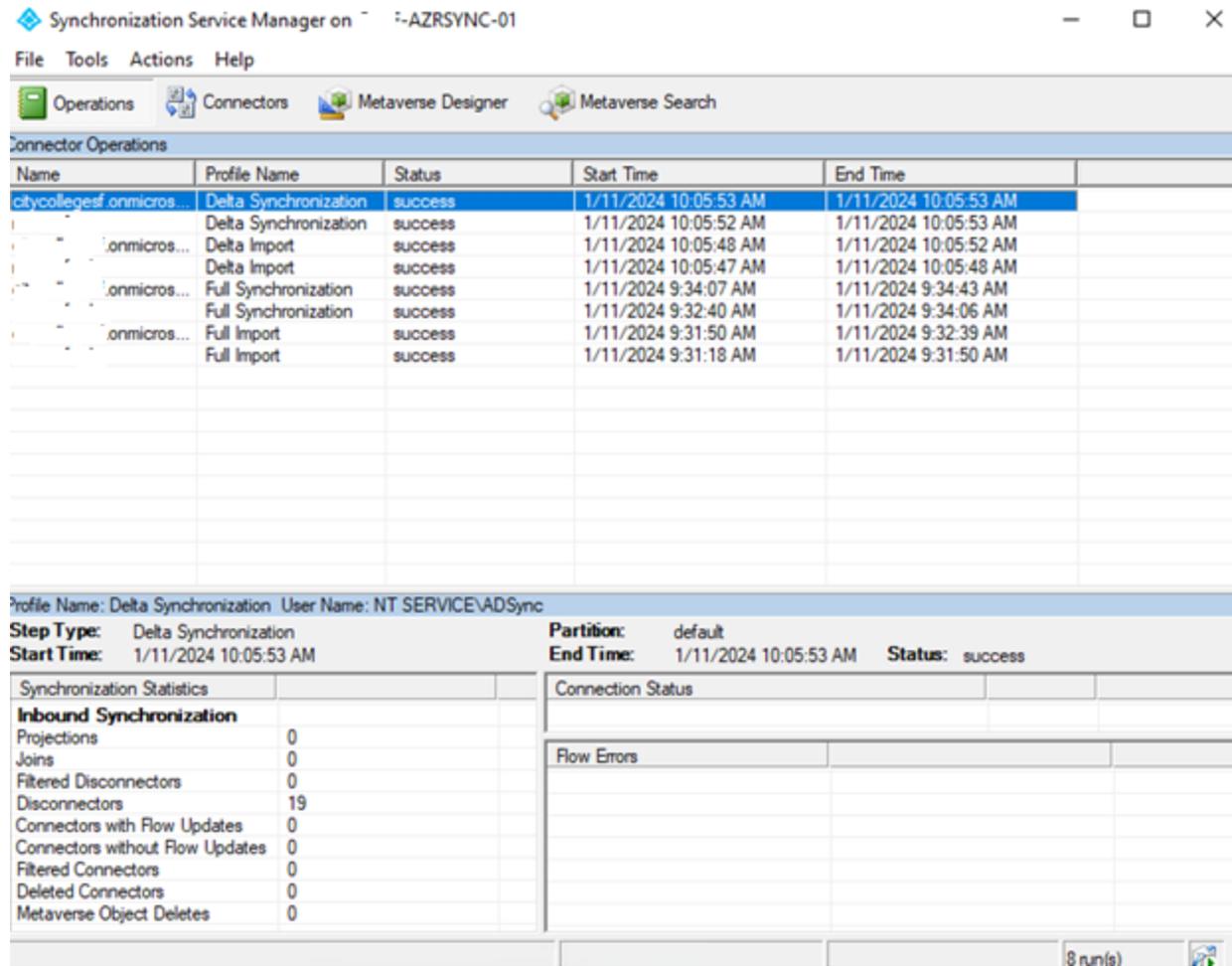


Figure 2.1 Azure AD Connect Synchronization Service Manager

19. Bring up MS Edge web browser and access <https://entra.microsoft.com/>
20. From left side object tree, select Protection.
21. Click on Identity governance.
22. Click on Privileged identity Management->My Roles
23. From Eligible assignments, under Actions, click on Activate.
24. Enter reason and click on Activate.
25. Wait for activation cycle to complete.
26. From the Microsoft Entra admin center search bar, type in Microsoft Entra Connect and press Enter.
27. Scroll down to Health And Analytics, and click on Entra Connect Health.
28. Click on Sync services.
29. Hover over roll associated with Service Name and click on it. Refer to figure 2.2.

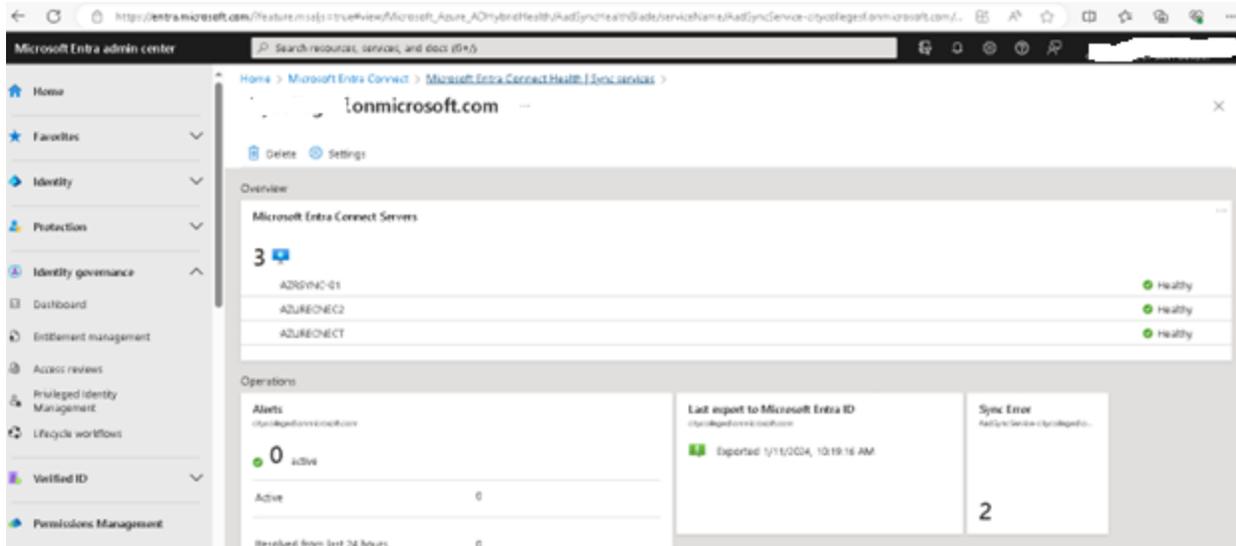


Figure 2.2 Microsoft Entra Connect Servers. CCSF-AzrSync-01 (w2k22) with AADC 2.3.2.0 Stagging is good.

**Notes:**

**Can have multiple staging servers, but you can only have one syncing server.**

[Microsoft Entra Connect: Next steps and how to manage Microsoft Entra Connect - Microsoft Entra ID | Microsoft Learn](#)

[Microsoft Entra Connect: Enabling device writeback - Microsoft Entra ID | Microsoft Learn](#)