

Azure AD Connect

At the end of this episode, I will be able to:

1. Implement and manage directory synchronization by using Azure AD Connect
2. Azure AD Connect Health

Learner Objective: *Understand the Azure AD Connect option*

Description: In this episode, you will learn about the Azure AD Connect method of synchronizing an on-prem AD with the Azure AD located in the cloud. While this method is now considered legacy, it still might be in use in some organizations.

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- On-prem application for sync; set to go away thanks to Cloud Sync
 - Azure AD Connect v1 retired Aug 31, 2022; v2 now "current"
 - Features:
 - Password hash synchronization
 - Pass-through authentication
 - Federation integration
 - Synchronization
 - Health Monitoring
 - Replaced DirSync and Azure AD Sync
 - License is free
 - Requirements and recommendations:
 - Azure AD
 - Add and verify domain
 - 50,000/300,000/500,000 object limits
 - Use Id Fix
 - On-prem must be 2003 Functional Level or later
 - DC must be writable
 - Enable AD Recycle Bin
 - PowerShell execution required
 - Installed on Windows Server 2016 GUI version
 - Harden the server
 - Uses SQL Server 2019 Express by default
 - Azure AD Connect Health is available for monitoring the synchronization process
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Additional Resources:

Prerequisites for Azure AD Connect

<https://learn.microsoft.com/en-us/azure/active-directory/hybrid/connect/how-to-connect-install-prerequisites>