



Azure AD Connect

“what we promise, we must deliver”

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Microsoft Cloud Solution Provider (CSP) and Silver Partner for Small and Mid-Market Cloud Solutions (Office 365) & Cloud Platform (Azure)

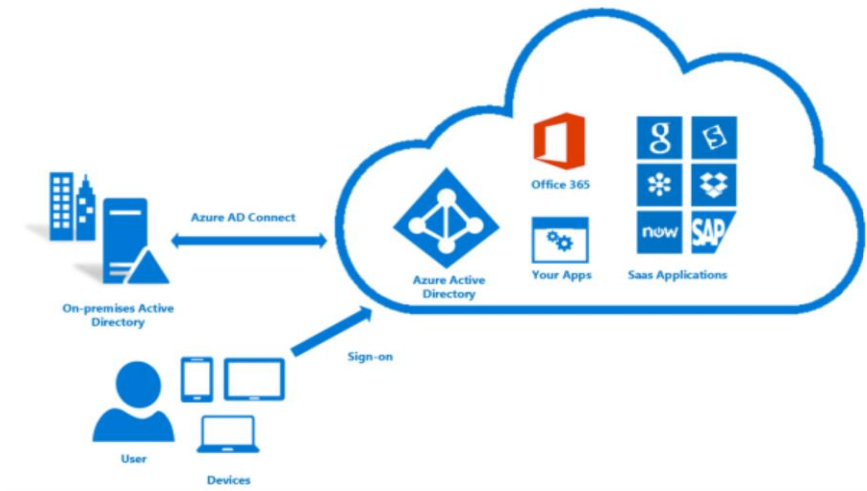
30+ years of enterprise technology experience with 100+ projects delivered, 60+ managed cloud customers

“Not just vendors, we are your trusted advisors”

ABOUT US



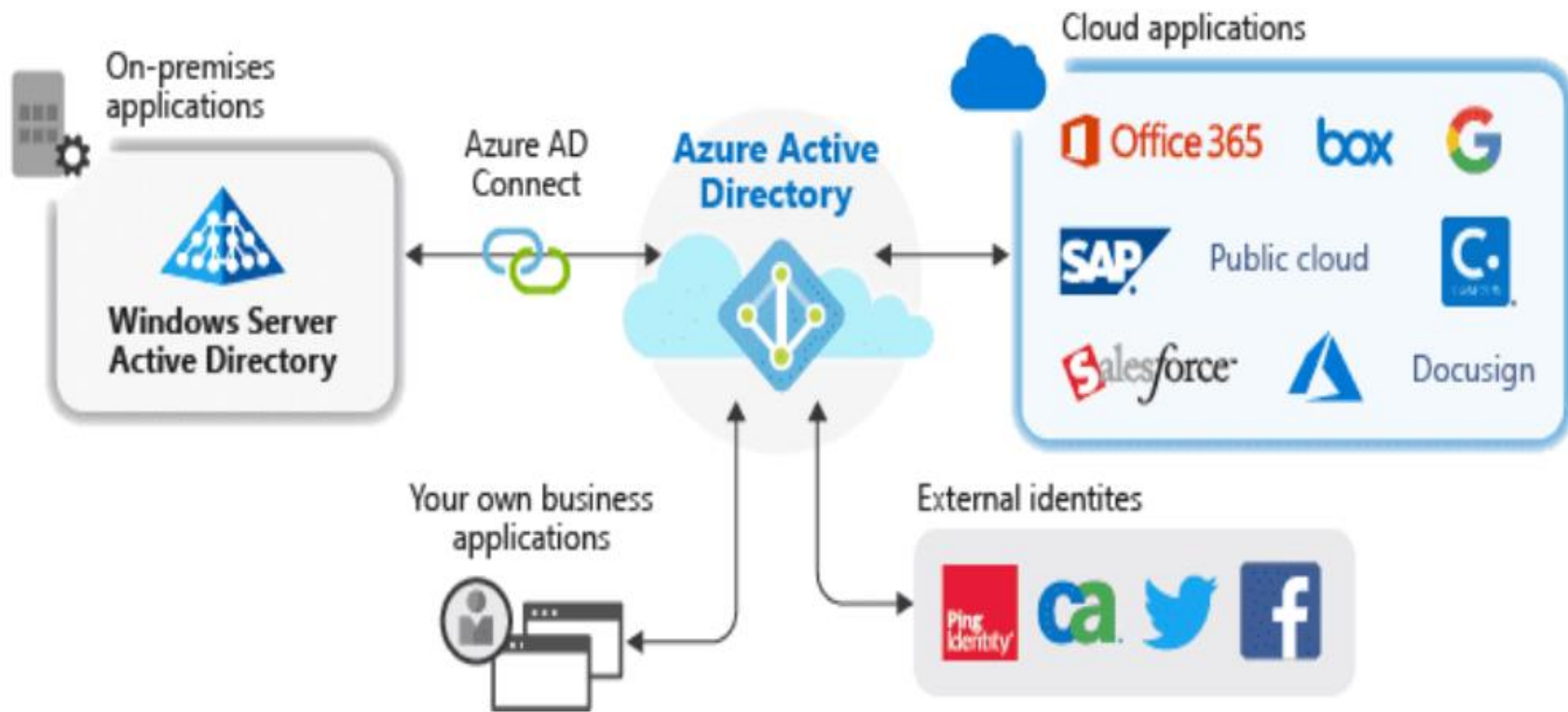
Azure AD Connect



Azure AD Connect is a bridge solution between an organization's on-prem Active Directory instance and cloud-based Azure Active Directory. Azure AD Connect enables IT admins to federate on-prem user identities to the Azure platform. It's a good way to enable single sign-on (SSO) without having to set up an Active Directory Federation Services (ADFS) instance.

Features of Azure AD Connect

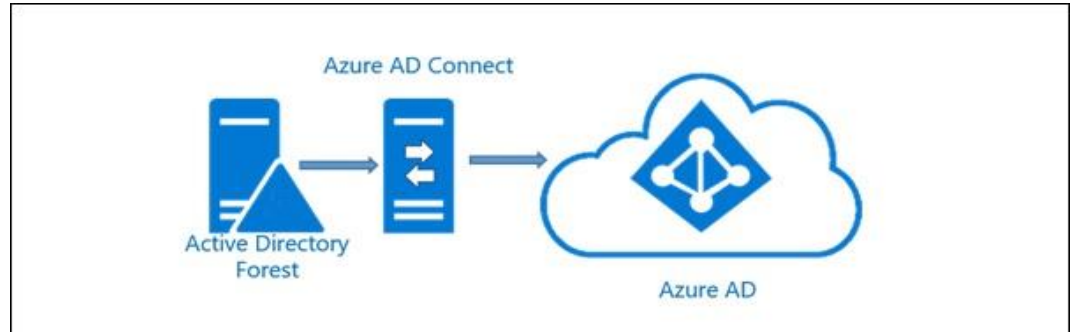
- **Password hash synchronization** - A sign-in method that synchronizes a hash of a users on-premises AD password with Azure AD
- **Pass-through authentication** - A sign-in method that allows users to use the same password on-premises and in the cloud, but doesn't require the additional infrastructure of a federated environment
- **Federation integration** - Federation is an optional part of Azure AD Connect and can be used to configure a hybrid environment using an on-premises AD FS infrastructure. It also provides AD FS management capabilities such as certificate renewal and additional AD FS server deployments
- **Synchronization** - Responsible for creating users, groups, and other objects. As well as, making sure identity information for your on-premises users and groups is matching the cloud. This synchronization also includes password hashes
- **Health Monitoring** - Azure AD Connect Health can provide robust monitoring and provide a central location in the Azure portal to view this activity



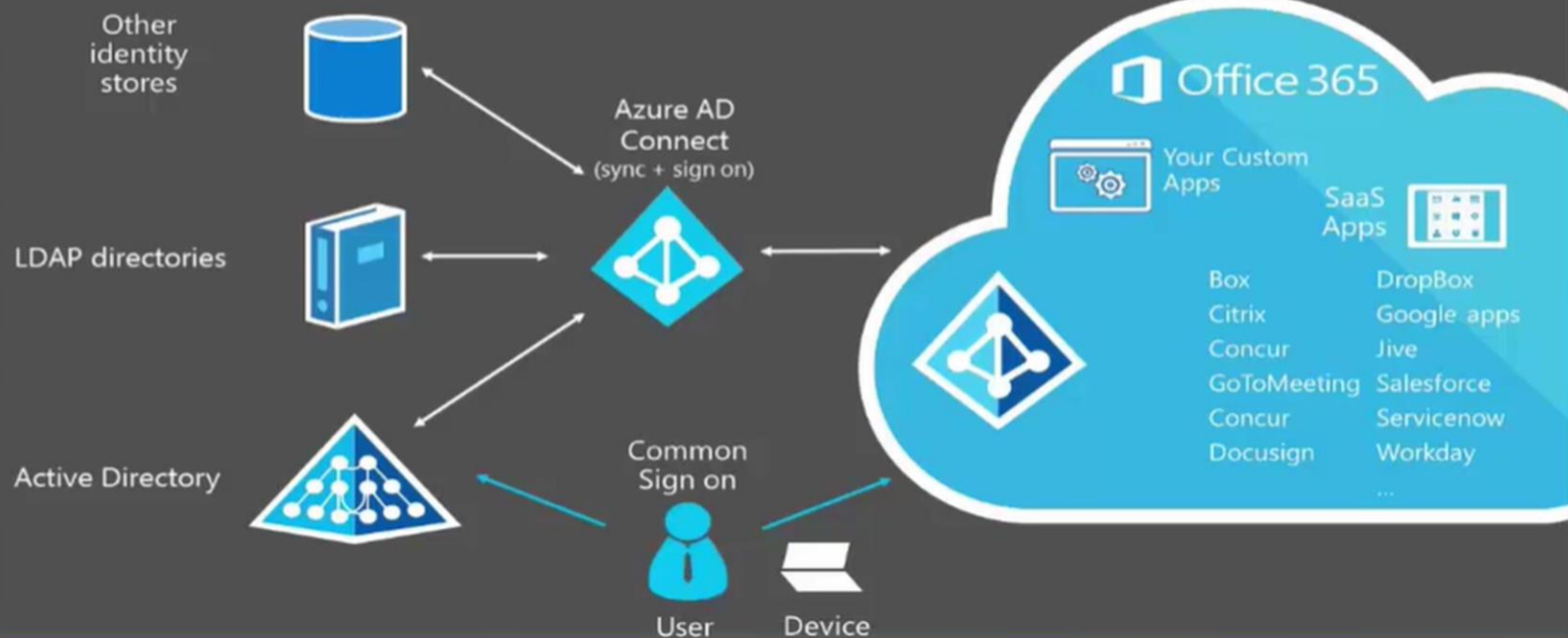
Why to use AD Connect

Integrating your on-premises directories with Azure AD makes your users more productive by providing a common identity for accessing both cloud and on-premises resources. Users and organizations can take advantage of:

- Users can use a single identity to access on-premises applications and cloud services such as Microsoft 365
- Single tool to provide an easy deployment experience for synchronization and sign-in
- Provides the newest capabilities for your scenarios. Azure AD Connect replaces older versions of identity integration tools such as DirSync and Azure AD Sync. For more information, see [Hybrid Identity directory integration tools comparison](#)



Azure AD Connect: Your Identity Bridge



Express Installation

vs

Custom Installation

Express is the most common option and is used by about 90% of all new installations. It was designed to provide a configuration that works for the most common customer scenarios.

It assumes:

- You have a single Active Directory forest on-premises
- You have an enterprise administrator account you can use for the installation
- You have less than 100,000 objects in your on-premises Active Directory

You get:

- Password hash synchronization from on-premises to Azure AD for single sign-on
- A configuration that synchronizes users, groups, contacts, and Windows 10 computers
- Synchronization of all eligible objects in all domains and all OUs
- Automatic upgrade is enabled to make sure you always use the latest available version

The customized path allows many more options than express. It should be used in all cases where the configuration described in previous section for express is not representative for your organization.

Use when:

- You do not have access to an enterprise admin account in Active Directory
- You have more than one forest or you plan to synchronize more than one forest in the future
- You have domains in your forest not reachable from the Connect server
- You plan to use federation or pass-through authentication for user sign-in
- You have more than 100,000 objects and need to use a full SQL Server
- You plan to use group-based filtering and not only domain or OU-based filtering



THANK YOU!

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