

What is Azure AD?

Azure Active Directory (Azure AD) is a cloud-based identity and access management service.



History

- Microsoft introduced Active Directory Domain Services in Windows 2000 to give organizations the ability to manage multiple on-premises infrastructure components and systems using a single identity per user
- Azure AD takes this approach to the next level by providing organizations with an Identity as a Service (IDaaS) solution for all their apps across cloud and on-premises.

Where is Azure AD used Today?



Concepts



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What is an Identity?

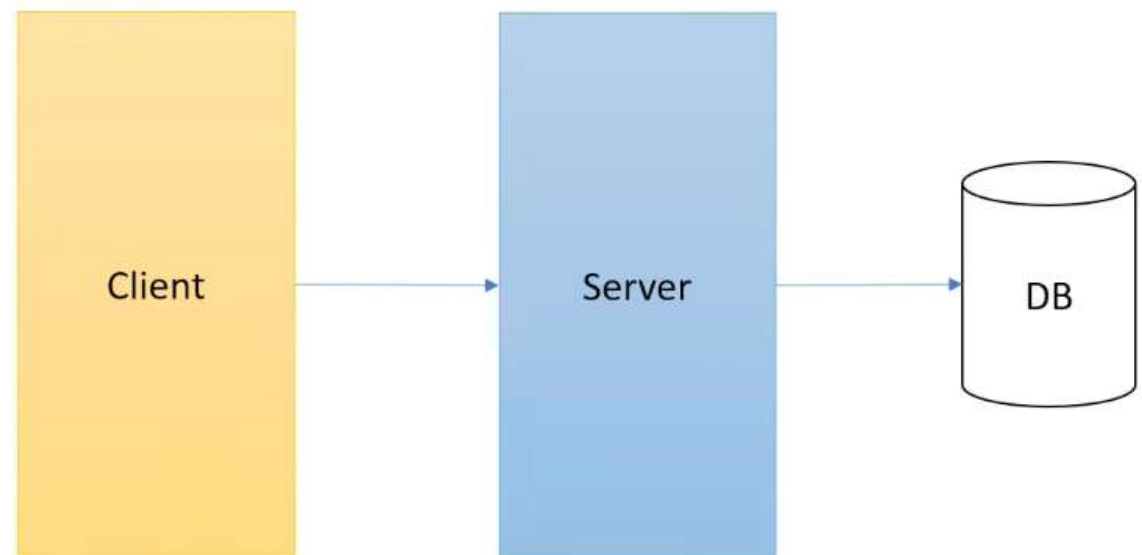


Something that is getting **Authenticated** is called an identity

- User with **username** and **password**
- Services/Apps with **certificates** or **secret keys**

Challenges

- Security Risk
- Multiple user credentials per application
- Maintenance



Identity Provider



Centralized user management



Token can be used with multiple services



Easier Maintenance



Single Sign on



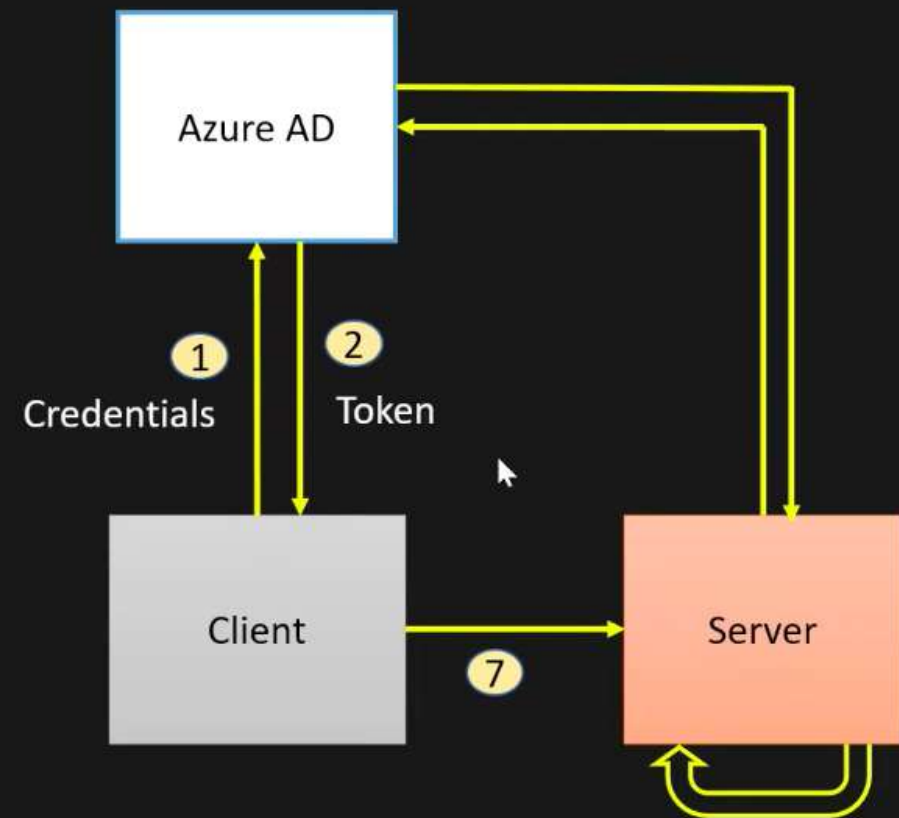
Client : Single set of credential to connect to AD



Services: Trust relationship with AD



Robust Security - MFA



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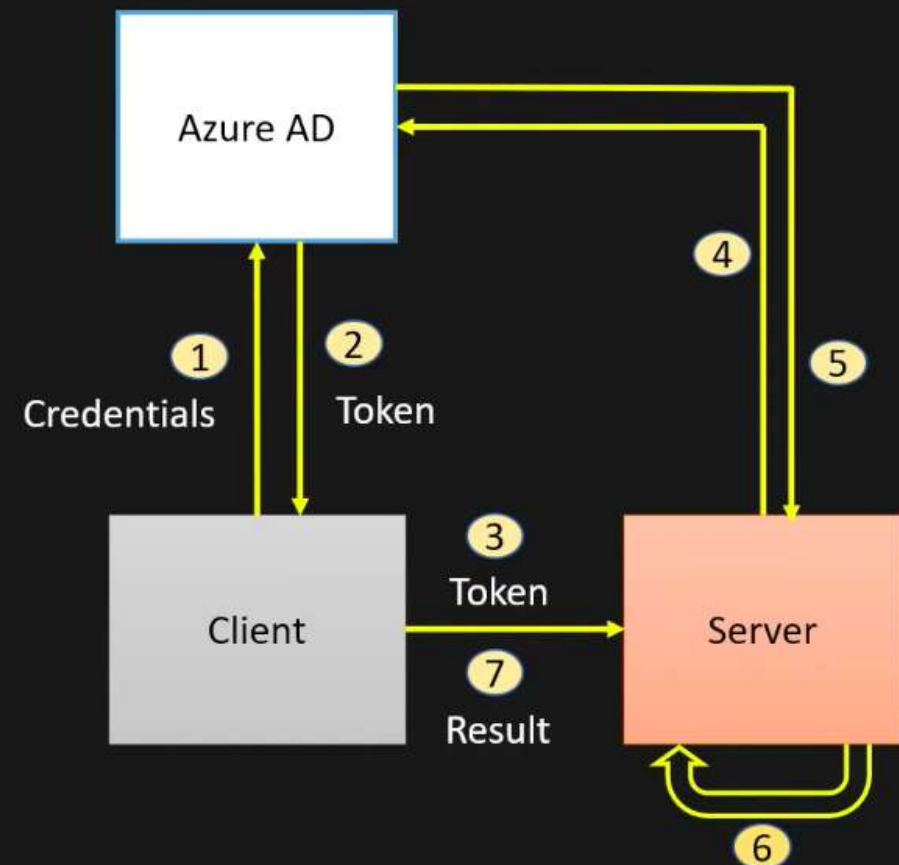
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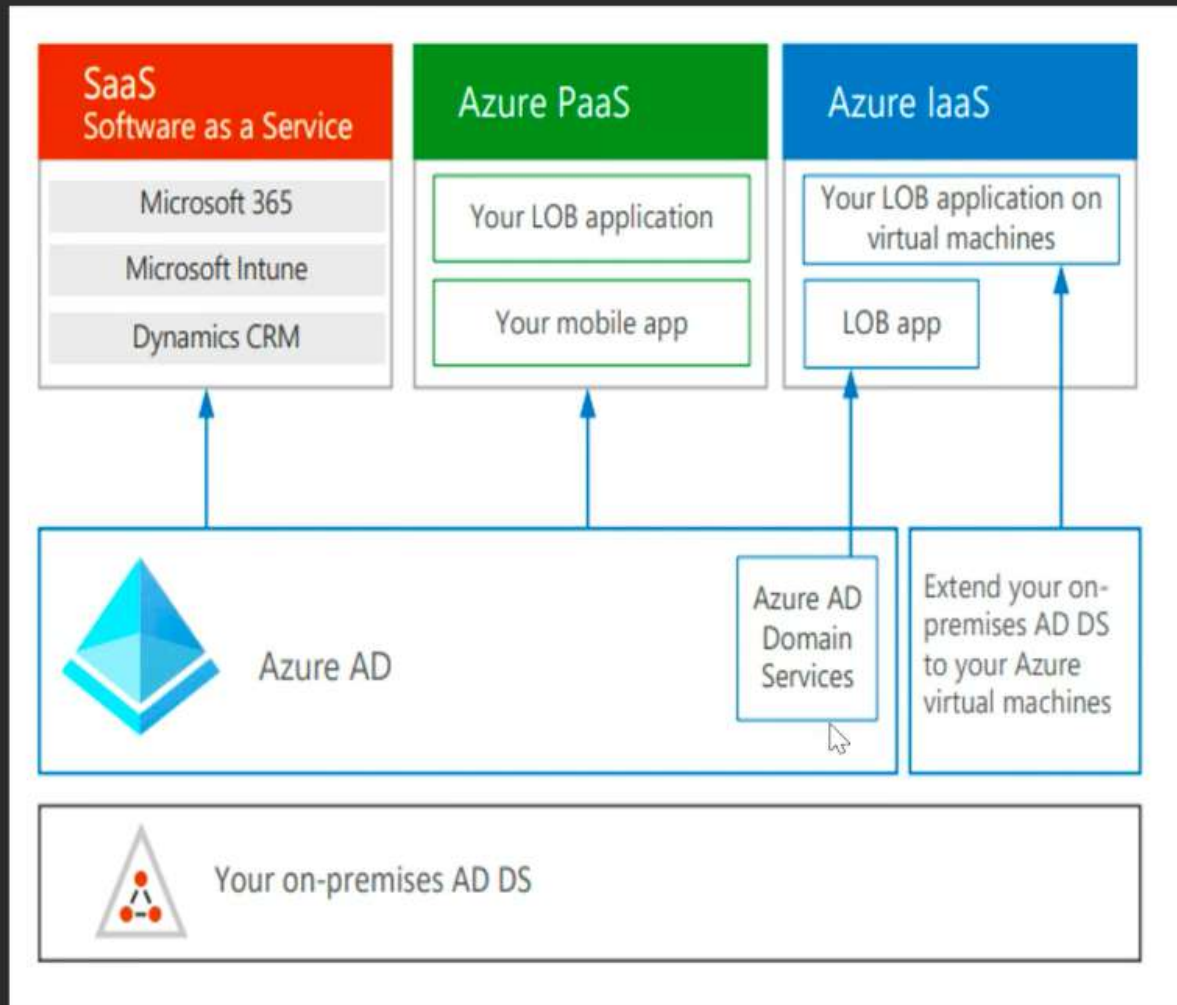
Administrator



Application developer

Who uses AD?

Integration Capabilities



Azure AD Editions

Free

Core identity and access management features.

Included with Azure, Dynamics 365, Intune, and Power Platform.

Office 365 apps

Free edition capabilities plus features for identity and access management.

Included with Office 365 E1, E3, E5, F1, and F3.

Premium P1

Office 365 apps edition capabilities plus advanced features for password and group access management, hybrid identities, and Conditional Access.

Included with Microsoft 365 E3 and E5, Enterprise Mobility + Security (EMS) E3 and E5, or as separate licenses.

Premium P2

Premium P1 edition capabilities plus identity protection and governance features.

Included with Microsoft 365 E5 and EMS E5, or as separate licenses.

