Module 2: Azure Active Directory (Azure AD)

by Mayowa Bodunwa

Azure AD Architecture Overview

- Business partners
- Devices
- Public cloud
- SaaS apps
- Azure Active Directory (Azure AD)
- On-premises applications
- On-premises Active Directory
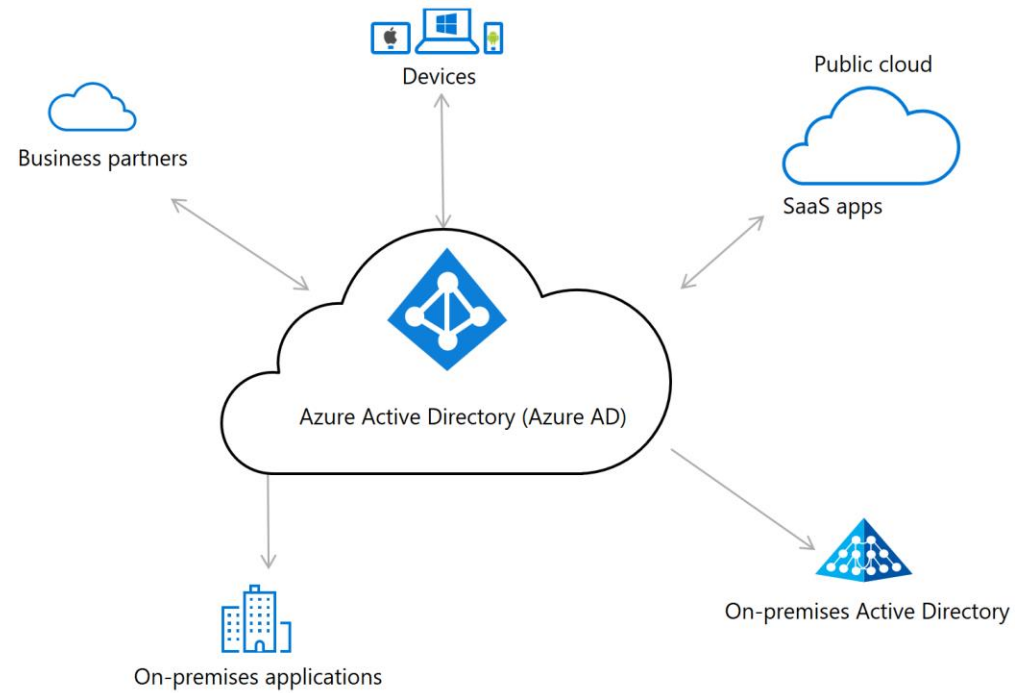
Module Objectives:

- **Module 2-1:** Azure AD concepts and architecture
- **Module 2-2:** Managing Azure AD users, groups, and devices
- **Module 2-3:** Configuring and customizing Azure AD

Azure AD Concepts and Architecture

Identity and access management ensures that the identity which could be people, machines, and software components get access to the right resources at the right time. First, the person, machine, or software component proves they're who or what they claim to be. Then, the person, machine, or software component is allowed or denied access to or use of certain resources.

Module 2-1

Azure AD Features

- Application management
- Authentication
- Business-to-Business (B2B)
- Business-to-Customer (B2C)
- Conditional Access
- Device Management
- Domain services
- Identity governance
- Privileged identity management (PIM)
- Reports and monitoring
- Custom domain

Further reading: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis

Module 2-1

Azure AD Terminology

- Identity
- Account
- Azure AD account
- Account Administrator
- Service Administrator
- Owner
- Azure AD Global Administrator
- Azure Subscription
- Azure Tenants
- Azure AD directory
- **Custom domain**

Further reading: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis

Module 2-1

Users, groups and, devices

Azure AD User types:

- Internal member
- Internal guest
- External member
- External guest

Further reading: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/how-to-create-delete-users

Module 2-2

Users, groups and, devices

Azure AD Group Types:

- Security
- Microsoft 365

Azure AD Group Membership Types:

- Assigned
- Dynamic user
- Dynamic device

Further reading: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/concept-learn-about-groups

Module 2-2

Configuring and customizing Azure AD

Azure AD Licenses:

- Azure AD Free
- Azure AD Premium P1
- Azure AD Premium P2

Further reading: https://learn.microsoft.com/en-us/azure/active-directory/fundamentals/concept-learn-about-groups

Module 2-3

Azure AD Labs

Tasks:
- Create an Azure AD Directory Tenant
- Create a user in the Azure AD Tenant
- Create a group in the Azure AD Tenant
- Assign a user to the group
- Delete all created resources