

AZ-104 Azure Identity - Conceptualizing Entra ID (Azure Active Directory)

What is Microsoft Entra ID

- Identity and Access Management (IAM) Basics
- What is Azure AD (Entra ID)?
- Azure AD Tenant ARchitecture
- Azure AD Features
- Active Directory vs Azure AD (Entra ID)

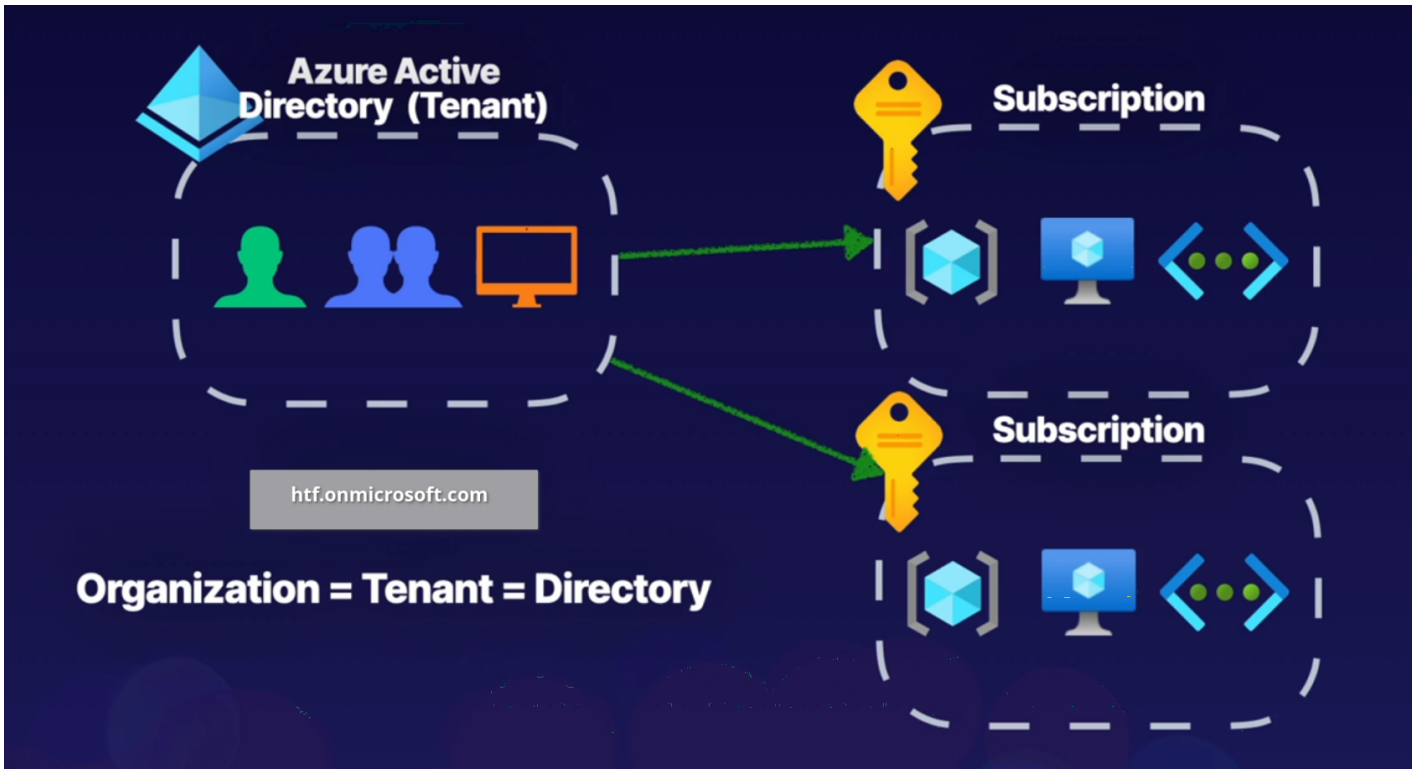
Identity and Access Management (IAM) Basic

- IAM: A global cloud-based identity service for azure that provides an identity repository
- Principal: An unauthenticated entity that will seek to authenticate as an identity.
- Identity: An Identity profile that is authenticated against using credentials
- Authorization: Actions that are permitted/prohibited for an identity to perform
- Create Identity Resources - Create users and groups
- Manage Identity Security - Enable multi-factor authentication (MFA) control resources access and provide policy based controls

Azure AD Tenant Architecture

When crating a tenant it will automatically assign a domain for us, for example htf.onmicrosoft.com, you can also register a custom domain name.

A tenant can be associated to multiple subscriptions but a subscription can only be associated to one tenant.



Azure AD Features

- IAM Platform - for azure cloud based resources.
- Identity security - additional security with MFA and Privileged Identity Management (PIM).
- Collaboration and Development - Azure AD B2B collaboration and Azure AD B2C to support development.
- Monitoring - Audit logs, security monitoring, identity protection and risk management.
- Identity Integration - Hybrid identity and single sign-on (SSO) using Azure AD connect and Azure AD Domain Services.
- Enterprise Access - Additional security for applications and devices both on-premises and in the cloud

Active Directory	Entra ID
Organizational units (OUs)	Administrative units
Group Policy Objects (GPOs)	SAML, WS-Federation, OAuth
Kerberos, LDAP, NTLM	Flat Directory Structure
Hierarchical	Cloud-based solution
On-Premises	Global

As part of Hybrid solution we can use Entra Connect to manage on prem infrastructure.

Revision #3

Created 14 February 2024 23:54:21 by Cesar Gzz

Updated 15 February 2024 01:03:17 by Cesar Gzz