Microsoft Azure Fundamentals Training Bootcamp

Azure Identity Services - Azure AD Fundamentals 101

Identity and Access Overview

- ❑ The two major topics around identity and access control are authentication and authorization

- ❑ Authentication – establishes if the user (or service) is who it says it is; identity is challenged and checked through username and password or authentication keys, certs.

- ❑ Authorization – once the user or service is authenticated, authorization establishes what level of access should be provided; read-only, editor, full admin; what resources and what permissions!

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Azure Active Directory (AD) Overview

❑ Azure Active Directory (Azure AD) is Microsoft's cloud-based identity service, that can also integrate with your traditional on-premises infrastructure

❑ All your applications, running either in the cloud or on traditional infrastructures, can share the same credentials

❑ As a result of this, with Azure AD you centralize access control to all your apps and data, with a single pane of glass over identity management

Azure AD

Azure AD Capabilities

- ❑ Authentication
  - ❑ Identity verification for access to apps and resources

- ❑ Single-Sign-On (SSO)
  - ❑ Users can use a single identity (username and password) for authentication on all company apps

- ❑ User management
  - ❑ Customize and control how your users sign up, sign in; manage guest users and external partners, when using your apps

Azure AD

Azure AD Capabilities

- ❑ Conditional access to your apps

- ❑ Device management
  - ❑ Manage how your cloud or on-premises devices access your corporate data

- ❑ Privileged Identity Management (PIM)
  - ❑ Manage, control and monitor access within your organization

Azure AD

Azure Privileged Identity Management (PIM)

- ❑ Azure AD PIM is a service that enables you to manage, control and monitor access to resources in your org.

- ❑ PIM provides time-based and approval-based role activation on resources that you care about

- ❑ Examples:
    - ❑ Assign time-bound access to resources
    - ❑ Role activation upon approval
    - ❑ Enforce MFA to activate any role
    - ❑ Get notifications when privileged roles are activated

Azure PIM

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Thank you