Microsoft Azure Administrator (AZ-104) Training

Duration: **4 Day**

BİLGİNÇ IT Academy
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Overview

The training is designed for IT professionals responsible for managing**Microsoft Azure** environments, including identity management, governance, networking, storage, virtual machines, application services, monitoring, and backup solutions.

Participants will gain practical experience with **Microsoft Entra ID**, **Azure Administration**, **Azure Networking**, **Azure Storage**, **Azure Security**, **Azure Virtual Machines**, **Azure App Services**, **Azure Monitoring**, and **Azure Backup** services.

Prerequisites

Participants should have knowledge of:

- Operating systems administration
- Virtualization technologies
- TCP/IP, DNS, VPNs, and networking
- Active Directory
- Backup and disaster recovery concepts
- Cloud infrastructure fundamentals

Who Should Attend

- **Azure Administrators**
- **Cloud Administrators**
- **System Administrators**
- **Cloud Engineers**
- **Infrastructure Engineers**
- **DevOps Engineers**
- **IT Operations Specialists**
- Professionals responsible for managing Azure environments

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What You Will Learn

By the end of this training, you will have gained knowledge and skills in the following areas:

- Configure **Microsoft Entra ID**
- Manage Azure users and groups
- Implement **Azure RBAC**
- Configure **Azure Virtual Networks**
- Deploy and manage **Azure Storage**
- Create and scale **Azure Virtual Machines**
- Configure **Azure App Services**
- Implement **Azure Backup** and disaster recovery solutions
- Monitor resources using **Azure Monitor** and **Log Analytics**

Outline

Microsoft Entra ID Administration

- Identity Management
- Tenants and Accounts
- Microsoft Entra Join
- Self-Service Password Reset (SSPR)
- Authentication and Access Control

Azure Governance and Subscription Management

- Azure Subscriptions
- Azure Regions
- Cost Management
- Resource Tagging
- Azure Policy
- Management Groups

Azure Role-Based Access Control (RBAC)

- Role Assignments
- Role Definitions
- Access Management
- Security Governance

Azure Resource Manager (ARM)

- Resource Groups
- Resource Locks
- ARM Templates
- Bicep Templates
- Infrastructure as Code (IaC)

Azure Networking

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- Azure Virtual Networks (VNet)
- Subnets
- Public and Private IP Addressing
- Network Security Groups (NSG)
- Azure DNS
- VNet Peering
- VPN Gateway
- Azure Private Link

Azure Load Balancing and Application Gateway

- Azure Load Balancer
- Backend Pools
- Health Probes
- Azure Application Gateway
- Routing Rules

Azure Storage

- Storage Accounts
- Azure Blob Storage
- Replication Strategies
- Azure Files
- Azure File Sync
- Shared Access Signatures (SAS)
- Storage Encryption

Azure Virtual Machines

- VM Deployment
- VM Sizing
- Availability Sets
- Availability Zones
- Virtual Machine Scale Sets
- Autoscaling

Azure App Services and Containers

- Azure App Service
- Deployment Slots
- Custom Domains
- Azure Application Insights
- Azure Container Instances
- Docker Fundamentals

Azure Backup and Disaster Recovery

- Azure Backup
- Recovery Services Vault
- Azure Site Recovery
- Business Continuity Planning

Azure Monitoring

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- Azure Monitor
- Metrics and Logs
- Azure Alerts
- Log Analytics
- Kusto Query Language (KQL)
- Azure Network Watcher