



Course AZ-900T01-A

## Microsoft Azure Fundamentals

Course Length : 8 Hours  
Professional Series : 1 Day  
Academic Series : 2 Weeks

### Module 1:

#### Cloud Concepts

- Learning Objectives
- Why Cloud Services?
- Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS)
- Public, Private, and Hybrid cloud models

### Module 2:

#### Core Azure Services

- Core Azure architectural components
- Core Azure Services and Products
- Azure Solutions
- Azure management tools

### Module 3:

#### Security, Privacy, Compliance and Trust

- Securing network connectivity in Azure
- Core Azure Identity services
- Security tools and features
- Azure governance methodologies
- Monitoring and Reporting in Azure
- Privacy, Compliance and Data Protection standards in Azure

### Module 4:

#### Azure Pricing and Support

- Azure subscriptions
- Planning and managing costs
- Support options available with Azure
- Service lifecycle in Azure

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Course AZ-104T00-A

## Microsoft Azure Administrator

Course Length : 32 Hours  
Professional Series : 4 Day  
Academic Series : 6 Weeks

### Module 1:

#### Identity

- Azure Active Directory
- Users and Groups

### Module 2:

#### Governance and Compliance

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control (RBAC)

### Module 3:

#### Azure Administration

- Azure Resource Manager
- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- ARM Templates

### Module 4:

#### Virtual Networking

- Virtual Networks
- IP Addressing
- Network Security groups
- Azure Firewall
- Azure DNS

### Module 5:

#### Intersite Connectivity

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

### Module 6:

#### Network Traffic Management

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway
- Traffic Manager

### Module 7:

#### Azure Storage

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

### Module 8:

#### Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

### Module 9:

#### Serverless Computing

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

### Module 10:

#### Data Protection

- File and Folder Backups
- Virtual Machine Backups

### Module 11:

#### Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher



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Course AZ-500

## Microsoft Azure Security Technologies

Course Length : 32 Hours  
Professional Series : 4 Days  
Academic Series : 5 Weeks

### Module 1: Identity and Access

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription

### Module 2: Platform Protection

- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security

### Module 3: Security Operations

- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines

### Module 4: Data and applications

- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications
- Configure and manage Azure Key Vault

