

Azure Fundamentals

Learn about:

- Core Azure concepts
- Core Azure services
- Core solutions and management tools
- General security and network security
- Governance, privacy, and compliance features
- Azure cost management and service level agreements

Pre-Requisites:

There are no prerequisites for taking this course. However, the more technical knowledge a student has, the more they will understand about cloud computing and the implementation of Azure.

Duration:

2 Days

Describe Core Azure Concepts

Introduction to Azure fundamentals
Discuss Azure fundamental concepts
Describe core Azure architectural components
Summarize geographic distribution concepts

Describe Core Azure Services

Azure database and analytics services
Azure compute services
Azure Storage services
Azure networking services

Azure Management Tools

Choose the best AI service for your needs
Tools to help organizations build better solutions
Monitoring service for visibility, insight, and outage mitigation
Tools for managing and configuring your environment
Azure serverless technology for your business
Azure IoT service for your application
Serverless computing technology for your business
Azure IoT service for a given business scenario

Networking and Security

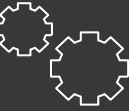
Describe general/network security features
Protect against security threats
Secure network connectivity
Protect against threats by using the Security Centre
Collect and act on security data using Azure Sentinel
Identify the layers that make up a defence strategy
Use Azure Firewall for network traffic management
Configure network security groups
Explain Azure DDoS to protect your resources

Identity, Governance, Privacy, and Compliance Features

Using Azure identity services
Build a cloud governance strategy on Azure
Examine privacy, compliance, and data protection standards
The difference between authentication and authorization
How Azure AD provides identity and access management
Explain single sign-on (SSO)
Multifactor authentication
Conditional Access play
Access resources using role-based access control
Apply resource locks to prevent deletion of resources
Apply tags to resources to help describe their purpose
Control and audit your resources
Enable governance using Azure Blueprints
Explain the compliance offerings that are available
Gain insight into regulatory standards
Explain Azure capabilities specific to government agencies

Azure Cost Management

Plan and manage your Azure costs
Use the Total Cost of Ownership Calculator
Different ways you can purchase products and services
Estimate the monthly cost of your cloud workloads
Define the factors that affect total cost
Apply recommended practices to minimize cost
Describe service-level agreement (SLA)
Why SLAs are important
Combine SLAs to compute a composite SLA
Describe the service lifecycle in Azure



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