

Microsoft Azure Fundamentals Training (AZ-900T00) Course Outline

Module 1: Core Azure Concepts –

In this module, you will learn:

- The benefits of Azure-based cloud computing
- The fundamental concepts within Azure, including high availability, scalability, elasticity, agility, and disaster recovery
- The core architecture components of Azure, such as subscriptions, management groups, and resources

Module 2: Core Azure Services –

In this module, you will learn:

- The virtualisation services within Azure, such as Azure Virtual Machines, Azure Container Instances, Azure Kubernetes
- The database services within Azure, such as Azure Cosmos DB, Azure SQL, Azure Database for MySQL
- The networking resources of Azure, such as Virtual Networks, VPN Gateways, and Azure ExpressRoute
- The storage services within Azure, such as Virtual Networks, VPN Gateways, and Azure ExpressRoute

Module 3: Core Solutions and Management Tools on Azure –

In this module, you will learn:

- Choose the best Azure Artificial Intelligence service for your business
- Set up monitoring services within Azure for visibility, insight, and outage mitigation
- Manage and configure your Azure environment
- Set up a serverless Azure infrastructure
- Leverage IoT services on Azure



Module 4: General Security and Network Security Features on Azure –

In this module, you will learn how to:

- Create a comprehensive cybersecurity strategy in Azure
- Strengthen your security against threats in the Azure Security Center
- Collect and act on security data from different sources with Azure Sentinel
- Manage dedicated physical servers to host your Azure Virtual Machines for Windows and Linux by using Azure Dedicated Host
- Use Azure Firewall to control the traffic allowed on your network
- Use Azure DDoS Protection to shield your Azure resources from DDoS attacks
- Configure network security groups to filter network traffic to and from Azure resources

Module 5: Identity, Governance, Privacy, and Compliance Features of Azure –

In this module, you will learn how to:

- Plan and manage your Azure costs
- Choose the right Azure services by examining service-level agreements (SLA)s and service lifecycle
- Use the Total Cost of Ownership (TCO) Calculator
- Purchase Azure products and services
- Minimise the total cost of implementing Azure

