

Microsoft Certified Azure Administrator Associate (AZ-104)



Microsoft Azure is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers

Get Trained by Industry Experts having more than 25 yrs of experience in IT Training and Consultancy

Target Audience

The Course benefits both, students and experienced professionals, willing to achieve careers as Solution Architects, Infrastructure Managers, Cloud Network Managers, Server Administrators, Security Administrators & Cloud Administrators

Pre-Requisites

No Pre-requisite. However, any prior experience in Networking will be an advantage.

Highlights

- Migration of resources from AWS cloud to Azure cloud
- Migration of On-Premise Physical Servers to Azure Cloud
- Establishing VPN connectivity from Azure cloud to AWS cloud

Module 1: Azure Architecture

- What is Cloud Computing
- How to create Azure free Account
- Availability Zones
- Availability Sets
- Regional Pairs

Module 2: Azure Virtual Machines

- Create a Windows Virtual Machine
- Create a Linux Virtual Machine
- Web Site hosting on Azure Virtual Machine
- High Availability through Availability Zone
- High Availability through Availability Set
- Virtual Machine extensions

Modules 3: Azure Virtual Networks

- Configure Virtual Networks and Subnets
- Configure Network Routing and Endpoints
- Manage and Control Traffic Flow in Azure deployment with routes

Module 4: Inter-site Connectivity

- Configure Virtual Network peering
- Configure Point to Site VPN
- Configure Site to Site VPN
- Module 5: Network Security

- Network Security Group
- Application Security Group
- Azure Firewall

Module 6: Azure Administration

- Configure Azure Resources with Tools
- Configure Resources with Azure Resource Manager Templates
- Deploy Azure Infrastructure by using JSON ARM Templates
- Automate Azure tasks using scripts with PowerShell

Module 7: Network Traffic Management

- Configure Azure Standard Load Balancer
- Configure Azure Application Gateway
- Traffic Manager Routing Methods
- Hosting Domain on Azure DNS Zones

Modules 8: Azure Storage

- Create Azure Storage Account
- Configure Blob Storage
- Configure Azure File Share
- Create and configure Azure File Sync Service
- Control access to Azure Storage with Shared Access Signatures (SAS)

Module 9: Serverless Computing

- Configure Azure App Services
- Configure Azure Container Instances
- Configure Azure Kubernetes Service
- Host a web application with Azure App Service

Module 10: Azure Backup and Restore

- Configure File and Folder backups
- Configure Virtual Machine backups

Module 11: Azure Monitor

- Configure Azure Monitor
- Configure Azure Alerts
- Configure Log Analytics
- Configure Network Watcher
- Analyze Azure Infrastructure using Azure Monitor logs
- Monitor performance of Virtual Machines by using Azure Monitor VM Insights

Modules 12: Azure Active Directory

- Introduction to Azure Active Directory
- Azure AD Tenant, Subscription and Directory
- Configure Azure AD Users and Groups
- Configure Role-Based Access Control (RBAC)
- Azure AD Connect