



Microsoft Azure

Course Overview:

Microsoft Azure Training will give you a complete idea of Azure Cloud Computing and its fundamentals on Cloud applications. The Azure course covers major topics like master cloud architecture, components, Resource Manager, Virtual Network connectivity, deploying the cloud infrastructure, and security.

Training Features:

- 8X higher interaction in live online classes conducted by industry experts
- 50 Hrs. live Classes of Azure Administrator with Interview Preparation
- 3 real-time industry projects with hands-on preparation
- Unlimited Interview Opportunities with Placement Support
- Industry-recognized course completion certificate

Delivery Mode:

- Online Live Virtual Instructor Led Training

Target Audience:

- The Basic Requirement to start a career as a Microsoft Azure, you'll need a Bachelor's degree or at least 1+ years of experience in Information Technology (IT). A Bachelor's degree in Technology justice will help you get the job.

Key Learning Outcomes:

- Efficient knowledge on Azure and its services.
- Architecture of Azure.
- Networking.
- Linux.
- Designing Security.
- PowerShell scripting.

Certification Details:

- Complete at least 85 percent of the course or attend one complete batch
- Successful completion and evaluation of the project



Module 01 - Introduction to Microsoft Azure

- 1.1 Introduction to cloud computing
- 1.2 What is Microsoft Azure?
- 1.3 Microsoft Azure Services
- 1.4 Creating a Microsoft Azure Account
- 1.5 Azure CLI, Azure PowerShell
- 1.6 Managing Azure Resources & Subscriptions
- 1.7 Azure Resource Manager
- 1.8 Microsoft Azure Architecture

Module 02 - Introduction to ARM & Azure Storage

- 2.1 Azure Resources & Subscriptions
- 2.2 Azure Resource Manager
- 2.3 Managing Azure Resources
- 2.4 Azure Tags
- 2.5 Azure Storage Account & its types
- 2.6 Azure Blob Storage
- 2.7 Azure Content Delivery Network (CDN)
- 2.8 Azure Files Storage
- 2.9 Azure File Sync

Module 03 - Introduction to Azure storage

- 3.1 Azure Table Storage
- 3.2 Azure Queue Storage
- 3.3 Azure Storage Explorer
- 3.4 Azure Shared Access Signature (SAS)
- 3.5 Azure Databox
- 3.6 Azure Storage Replication
- 3.7 Data Replication Options
- 3.8 Azure Import/Export Service

Module 04 - Azure Virtual Machines

- 4.1 Azure Virtual Machines
- 4.2 Data Disks in Azure
- 4.3 Azure VMs & Interfaces
- 4.4 ARM templates
- 4.5 VHD templates
- 4.6 Custom Images of Azure VM
- 4.7 Virtual Machine Scale Sets
- 4.8 Virtual Machine Availability Sets



Module 05 - Azure App and Container services

- 5.1 App Service Web App for Containers
- 5.2 App Service plan
- 5.3 Networking for an App Service
- 5.4 Deployment slots
- 5.5 Container image
- 5.6 Azure Kubernetes Service
- 5.7 Azure Container Registry

Module 06 - Azure Networking - I

- 6.1 Azure Virtual Networks
- 6.2 Azure Vnet Components
- 6.3 IP Address – Public & Private IPs
- 6.4 Azure Vnet Subnets
- 6.5 Azure Network Interface Cards (NIC)
- 6.6 Network Security Group (NSG)
- 6.7 Route Tables
- 6.8 Service Tags
- 6.9 Azure DNS
- 6.10 Private DNS

Module 07 - Azure Networking - II

- 7.1 Application Gateway
- 7.2 Azure Front Door Service
- 7.3 Azure Traffic Manager
- 7.4 Application Security Groups
- 7.5 Azure Load Balancers
- 7.6 Azure Firewall
- 7.7 Azure Bastion
- 7.8 Network Watcher
- 7.9 Azure Express Route
- 7.10 Express Route Circuits
- 7.11 Express Route Peering

Module 08 - Authentication and Authorization in Azure using RBAC

- 8.1 Identity and Access Management in Azure
- 8.2 Role Based Access Management (RBAC)
- 8.3 Role Definitions
- 8.4 Role Assignment in Azure Resources
- 8.5 Azure Users & Groups
- 8.6 RBAC Policies



Module 09 - Microsoft Azure Active Directory

- 9.1 Azure Active Directory (Azure AD)
- 9.2 Windows AD Vs Azure AD
- 9.3 Azure AD Users
- 9.4 Azure AD Groups
- 9.5 Azure AD Domains
- 9.6 Azure AD Tenants
- 9.7 Authentication Options
- 9.8 Azure AD Connect
- 9.9 Self Service password Reset (SSPR)
- 9.10 Multi Factor Authentication (MFA)
- 9.11 Resource Locks

Module 10 - Azure Monitoring

- 10.1 Azure Monitor
- 10.2 Azure Metrics
- 10.3 Log Analytics
- 10.4 Alerts and actions
- 10.5 Application Insights
- 10.6 Backup reports
- 10.7 Recovery Services Vault
- 10.8 Backing Up Azure Virtual Machines
- 10.9 VM Backup Policies
- 10.10 Restoring Azure Virtual machines,