

Microsoft Azure Administration Training

Course Content



Course Duration : **20 Days**

Class Duration : **3 hours per day**

Fast Track Course Duration : **10 Days Class Duration : 8 hours per day**

❑ Module 1: Azure Cloud Overview

- What is the Cloud?
- Cloud Computing Patterns
- What is cloud computing?
- Cloud Computing Model
- Types of cloud deployments
- Microsoft Azure Compute
- Microsoft Azure App Service
- Microsoft Azure Cloud Services
- Virtual Machine
- Azure Service Manager (ASM)
- Azure Resource Manager (ARM)
- Management models for IaaS
- Compute VM Deployment (Series / Tier's)

❑ Module 2: Azure Resource Manager

- Azure Resource Manager overview
- Resource providers and types
- Azure Resource Manager vs. classic deployment
- Azure managed applications overview
- Create and deploy template
- Azure Automation overview
- Azure Scheduler overview
- Azure Event Grid overview

❑ Module 3: Networking Administration

- Azure networking Overview
- Virtual Network
- Load Balancer
- VPN Gateway | Application Gateway
- Azure DNS
- CDN
- Traffic Manager
- ExpressRoute
- Network Watcher

❑ Module 5: Azure Compute Administration

- Windows & Linux Virtual Machines
- Virtual Machines Scale Sets
- Web Apps
- App Service
- Batch Jobs
- Service Fabric
- Cloud Services
- Azure Functions
- Scaling and High Availability

❑ Module 4: Storage Administration

- Azure Cloud Storage Overview
- Blob Storage
- Disks Storage
- File Storage
- Queue Storage
- Data Lake Store
- Store Sample
- Backup
- Azure Site Recovery

❑ Module 6: Azure Containers

- Azure Container Service
- Azure Container Registry
- Azure Container Instances
- Deploy App Service using Containers

❑ Module 7: Security Administration

- Security Center
- Key Vault
- Identity management
- Azure Active Directory
- Azure Active Directory B2C
- Azure Active Directory Services
- Azure Secure Infrastructure
- Multi Factor Authentication

❑ Module 9: Cost Management

- Azure Billing
- Prevent unexpected costs
- Grant access to billing
- Limits and quotas
- Monitor usage and costs
- Manage subscriptions
- Manage account
- Advisor Cost recommendations
- Pricing calculator

❑ Module 8: Monitoring

- Application Insights
 - Azure web apps
 - Azure Cloud Services
- Log Analytics
- Azure Monitor
- Azure Service Health
- System Center Operations Manager

❑ Module 10: Developer Tools

- Visual Studio Team Services
- Azure DevTest Labs
- Application Insights
- API Management
- HockeyApp

❑ Module 11: Azure Reference Architectures

- Azure PowerShell
- Install Azure PowerShell
- Log in to Azure
- Create a resource group
- Linux Virtual Machines
- Windows Virtual Machines
- Web Apps
- SQL Databases

❑ Module 12: Using PowerShell with Azure

- Identity management
- Hybrid network
- Network DMZ
- Managed web application
- VM workloads (Windows & Linux)