

Microsoft Certification Online **Professional Training**



MICROSOFT AZURE ADMINISTRATOR



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COURSE MODULES

1: Getting Started with Microsoft Azure

- What is Cloud Computing?
- What is Azure?
- Managing Azure
- Subscription Management Support and Billing
- Azure Policy
- Role-Based Access Control (RBAC)



2: Microsoft Azure Management Tools

- What is Azure PowerShell?
- Azure SDK and Azure CLI

3: Virtual Machines in Microsoft Azure

- Creating and Configuring VMs
- Configuring Disks
- Create a Resource manager VM
- Create ARM Templates
- Tshoot virtual machines (Boot diagnostics, Redeploy etc.,)
- Monitoring Virtual machines
- Setup alerts



4: Web Apps and Cloud Services

- Azure App Service Planes
- Creating and Configuring Web Apps
- Deploying and Monitoring Web Apps
- Creating and Deploying PaaS Cloud Services
- Monitoring Websites and Web jobs
- Scaling websites
- Container Services
- Troubleshooting websites
- Azure Kubernetes Service
- Tools

5: Creating and Configuring Virtual Networks

- Getting Started with Virtual Networks
- Configuring Azure Networking
- Getting Started with Azure Load Balancer
- Understand Azure DNS and use cases
- Overview of Network security groups
- Implementing HA website solution
- Virtual Machine Extensions
- Implmntg Domain ctrl in Azure & usage of AzureDNS/NSG's
- Azure Firewall
- Azure DNS
- Joining systems to domain

6: Cloud Storage

- Understanding Planning Cloud Storage
- Classification of storage & Usage of different types of storage
- Blob, File, Queue, Table, Disk Storage Overview
- Create and manage Storage
- Configure Azure Disk Encryption for VMs
- Monitoring Storage
- Azure Files and File Sync
- Usage of tools for connecting to Storage
- Attaching Disks to VM's/Expanding disks

7: Microsoft Azure Databases

- Understanding options for Relational Database Deployments
- Creating and Connecting to Azure SQL Databases
- Create an Azure Managed Kubernetes Service (AKS) Cluster
- Azure Cosmos DB Overview
- Monitoring Azure SQL Database

8: Intro to containers and serverless computing in Azure

- Implementing Windows and Linux containers in Azure
- Introduction to Azure serverless computing



9: Creating and Managing Azure AD

- Overview of Azure AD
- Creating and Manage Azure AD Authentication
- Implement OAuth2 Authentication
- Implement Attnctn by using Certificates, forms-based Atnxtn
- Implement Multi-Factor Authentication
- Sync On-Premise AD with Azure AD
- Overview of Azure Active Directory Premium
- Azure AD Proxy

10: Azure Backup Management

- Overview of Azure Backup Services
- Azure VM backup
- On premise data backup to Azure
- Retention policies

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11: Managing Azure using Visual Studio

- Connect to Azure using Visual Studio
- Managing azure from Visual Studio (Azure SDK).

12: Azure Traffic Manager

- Overview of Traffic Manager
- Networking Routing and Endpoints
- Load balancing across VM's and Web Apps
- Azure Application Gateway

13: Azure Media Services

- Creating a Media Services Account and Upload Content
- Publishing Content with Azure Media Services
- Publishing and Scaling Media Content

14: Implementing Automation

- Overview of Automation Components
- Power Shell Workflows/GUI Workflows
- Managing Automation

15: Implementing Monitoring

- Azure Monitor
- Create Azure Alerts
- Log Analytics
- Network Watcher

16: Intersite Connectivity

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN





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in terms of time management,
flexibility, and the ability
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