

Microsoft Azure - Syllabus

Module 1. Introduction

Module 2. Manage Azure AD objects

- create users and groups
- manage user and group properties
- manage device settings
- perform bulk user updates
- manage guest accounts
- configure Azure AD Join
- configure self-service password reset

Module 3. Manage role-based access control (RBAC)

- create a custom role
- Provide access to Azure resources by assigning roles
 - resource groups
 - resources (VM, disk, etc.)

- interpret access assignments
- manage multiple directories

Module 4. Manage subscriptions and governance

- configure Azure policies
- configure resource locks
- apply tags
- manage subscriptions
- configure Cost Management
- configure management groups

Module 5. Manage storage accounts

- configure network access to storage accounts
- create and configure storage accounts
- generate shared access signature
- manage access keys
- implement Azure storage replication
- Configure Azure AD Authentication for a storage Account

Module 6. Manage data in Azure storage

- Export from Azure Job
- import into Azure job
- install and use Azure Storage Explorer

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copy data by using AZCopy

Module 7. Configure Azure files and Azure blob storage

- create an Azure file share
- create and configure Azure File Sync service
- configure Azure blob storage
- configure storage tiers for Azure blobs

Module 8. Configure VMs for high availability and scalability

- configure high availability
- deploy and configure scale sets
- Automate deployment and configuration of VMs
- modify Azure Resource Manager (ARM) template
- configure VHD template
- deploy from template
- save a deployment as an ARM template
- Automate Configuration Management

Module 9. Create and configure VMs

- configure Azure Disk Encryption
- move VMs from one resource group to another
- manage VM sizes
- add data discs
- configure networking
- redeploy VMs

Module 10. Create and configure Containers

- create and configure Azure Kubernetes Service (AKS)
- create and configure Azure Container Instances (ACI)

Module 11. Create and configure Web Apps

- create and configure App Service
- create and configure App Service Plans

Module 12. Implement and manage virtual networking

- create and configure VNET peering
- configure private and public IP addresses, network routes, network interface, subnets, and virtual network

Module 13. Configure name resolution

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- configure Azure DNS
- configure custom DNS settings
- Configure a private or public DNS

Module 14. None Secure access to Virtual Network

- create security rules
- associate an NSG to a subnet or network interface
- evaluate effective security rules
- deploy and configure Azure Firewall
- deploy and configure Azure Bastion Service

Module 15. Configure load balancing

- configure Application Gateway
- configure an internal load balancer
- configure load balancing rules
- configure a public load balancer
- troubleshoot load balancing

Module 16. Monitor and troubleshoot virtual networking

- monitor on-premises connectivity
- use Network Performance Monitor
- use Network Watcher
- troubleshoot external networking
- troubleshoot virtual network connectivity

Module 17. Integrate an on-premises network with an Azure virtual network

- create and configure Azure VPN Gateway
- create and configure VPNs
- configure ExpressRoute
- configure Azure Virtual WAN

Module 18. Monitor resources by using Azure Monitor

- configure and interpret metrics
- a analyze metrics across subscriptions
- configure Log Analytics
- query and analyses logs create a query
- set up alerts and actions
- Create and test alerts
- View alerts in Azure
- configure Application Insights

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Module 19. Implement backup and recovery

- configure and review backup reports
- perform backup and restore operations by using Azure Backup
- create a Recovery Services Vault
- create and configure backup policy
- perform site-to-site recovery by using Azure Site Recovery

For more details about this course, Click on this link: [Microsoft Azure Training](#)