

**START YOUR
AZURE AZ 104
CAREER TODAY!!**

CREDO SYSTEMZ

**Azure Administrator
Associate Program**

Capstone Projects :

Real Time Business Scenario using
Azure Administrator Associate



Deploy and Manage Azure Virtual Machines

Provision Windows and Linux VMs, configure networking, and apply custom security rules.



Configure Role-Based Access Control (RBAC)

Set up custom roles and assign least-privilege access to users and groups in Azure.



Implement Azure Backup and Restore

Configure backup policies for VMs and perform restore operations for disaster recovery.



Set Up Azure Monitor and Alerts

Create alerts and dashboards to monitor VM performance and resource health in real time.



Build a Secure Virtual Network with Subnets and NSGs

Design a VNet with multiple subnets, configure Network Security Groups, and test access control.



Automate Resource Deployment with ARM Templates

Use Azure Resource Manager (ARM) templates to deploy and manage infrastructure as code.



AZURE ADMINISTRATOR ASSOCIATE COURSE SYLLABUS

Duration : 40 hrs

Section 1 : 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
- NOT: Azure AD Connect; PIM

Section 2 : Manage role-based access control (RBAC)

- create a custom role
- provide access to Azure resources by assigning roles
- subscriptions
- resource groups
- resources (VM, disk, etc.)
- interpret access assignments
- manage multiple directories

Section 3 : Manage subscriptions and governance

- configure Azure policies
- configure resource locks
- apply tags
- create and manage resource groups
- move resources
- remove RGs
- manage subscriptions
- configure Cost Management
- configure management groups

● Section 4 : Design a quality strategy

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

● Section 5 : Manage data in Azure Storage

- export from Azure job
- import into Azure job
- install and use Azure Storage Explorer
- copy data by using AZCopy

● Section 6 : 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

● Section 7 : IDeploy and manage Azure compute resources (25–30%)

Configure VMs for high availability and scalability

- configure high availability
- deploy and configure scale sets

● Section 8 : Interactive Dashboards

- modify Azure Resource Manager (ARM) template
- configure VHD template
- deploy from template

- save a deployment as an ARM template
- automate configuration management by using custom script extensions

● **Section 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

● **Section 10 : Create and configure containers**

- create and configure Azure Kubernetes Service (AKS)
- create and configure Azure Container Instances (ACI)
- NOT: selecting an container solution architecture or product; container registry settings

● **Section 11 : Managing application configuration and secrets**

- create and configure App Service
- create and configure App Service Plans
- NOT: Azure Functions; Logic Apps; Event Grid

● **Section 12 : Configure and manage virtual networking (30-35%)**

Implement and manage virtual networking

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

● **Section 13 : Configure name resolution**

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

● **Section 14 : Secure access to virtual networks**

- 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
- NOT: Implement Application Security Groups; DDo

● **Section 15 : Configure load balancing**

- configure Application Gateway
- configure an internal load balancer
- configure load balancing rules
- configure a public load balancer
- troubleshoot load balancing
- NOT: Traffic Manager and FrontDoor and PrivateLink

● **Section 16 : Monitor and troubleshoot virtual networking**

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

● **Section 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

● **Section 18 : Monitor and back up Azure resources (10-15%)**

Monitor resources by using Azure Monitor

- configure and interpret metrics
- analyze metrics across subscriptions
- configure Log Analytics
- implement a Log Analytics workspace
- configure diagnostic settings
- query and analyze logs
- create a query
- save a query to the dashboard
- interpret graphs
- set up alerts and actions
- create and test alerts
- create action groups
- view alerts in Azure Monitor
- analyze alerts across subscriptions
- configure Application Insights
- NOT: Network monitoring

● **Section 19 : Implement backup and recovery**

- configure and review backup reports
- perform backup and restore operations by using Azure Backup Service
- create a Recovery Services Vault
- use soft delete to recover Azure VMs
- create and configure backup policy
- perform site-to-site recovery by using Azure Site Recovery
- NOT: SQL or HANA

SKILLS AND TOOLS

Tools Covered

Azure Active Directory



Azure Storage Accounts



Storage Explorer



Azure File Sync



SAS tokens



Azure Alerts



Manage VMs



Manage containers



Skills Covered

Azure identities



Governance



Implement



Manage Storage



Deploy



Configure



Virtual Networking



Monitor



Implement Site Recovery



Back up Azure Resources



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THIS IS TO CERTIFY THAT

KAVYA. R

CANDIDATE ID : CBPRM9551
has successfully completed

AZURE ADMINISTRATOR ASSOCIATE
Course Conducted During March 2025 to May 2025

Date: 10-06-2025



Authorised Signatory

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WHAT OUR **TRAINEE** SAYS?



Jhanvi

4.7 ★★★★★

The trainer explained cloud concepts clearly with real-life examples, making it easy to understand for beginners. Practice sessions and doubt clearing were really helpful for building a strong foundation.



Nirosha

4.2 ★★★★★

The course was well-structured with hands-on labs for each topic, which improved my practical skills. The trainer's guidance on managing Azure resources and services was excellent.



Karthik M

5.0 ★★★★★

The sessions focused on design patterns, architecture scenarios, and case studies that matched the exam syllabus. The instructor made complex concepts simple with diagrams and live use cases.



Srinivasan

4.9 ★★★★★

The training covered pipelines, CI/CD, and DevOps practices in a very practical way. Tools like Azure DevOps and GitHub Actions were taught with real-time project examples.



Priya

4.0 ★★★★★

Security topics like IAM, Defender for Cloud, and Key Vault were explained with clarity. Lab exercises boosted my confidence to handle security tasks in a real environment.



Renuka Devi

4.5 ★★★★★

Networking concepts like VNets, VPNs, and routing were made easy with step-by-step labs. The trainer's deep knowledge and support throughout the course were very helpful.



CHENNAI

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