

**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 a 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



# Earn your AZ 104 Course Completion Certificate

Credo Systemz's certificate is highly recognized by  
30K Global companies around the world.



# 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


## VELACHERY

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## OMR

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# OVERSEAS

## USA

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Sima Electronic Building, LLH Opposite, Electra Street – Abu Dhabi