CREDO SYSTEMZ
Simplifying IT

START YOUR
AZ 305
CAREER TODAY!!

CREDO SYSTEMZ

**Azure Solution Architect
Program**

Capstone Projects :

Real Time Business Scenario using
Azure Solution Architect

Cloud Migration Blueprint

Designing a secure and scalable Azure landing zone
for on-premises workload migration.

Resilient App Framework

Architecting a highly available web application
with Azure Front Door and App Services.

Data Lakehouse Hub

Building a cost-optimized data lake solution with
Azure Data Lake Storage and Synapse Analytics.

Zero Trust Security Model

Implementing identity, governance, and network security
using Azure AD and Conditional Access.

Hybrid Cloud Gateway

Designing a hybrid connectivity solution with Azure
VPN Gateway and ExpressRoute.

Disaster Recovery Shield

Creating a business continuity plan with Azure Site
Recovery and geo-redundant storage.

AZURE SOLUTION ARCHITECT
COURSE SYLLABUS

Duration : 40 hrs

Section 1 : Design a solution for logging and monitoring

- Design a log routing solution
- Recommend an appropriate level of logging
- Recommend monitoring tools for a solution

Section 2 : Design authentication and authorization solutions

- Recommend a solution for securing resources with role-based access control
- Recommend an identity management solution
- Recommend a solution for securing identities

Section 3 : Design governance

- Recommend an organizational and hierarchical structure for Azure resources
- Recommend a solution for enforcing and auditing compliance

Section 4 : Design identities and access for applications

- Recommend solutions to allow applications to access Azure resources
- Recommend a solution that securely stores passwords and secrets
- Recommend a solution for integrating applications into Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra
- Recommend a user consent solution for applications

Section 5 : Design a data storage solution for relational data

- Recommend database service tier sizing
- Recommend a solution for database
- Recommend a solution for encrypting data at rest, data in transmission, and data in use

Section 6 : Design data integration

- Recommend a solution for data integration
- Recommend a solution for data analysis

Section 7 : Recommend a data storage solution

- Recommend a solution for storing relational data
- Recommend a solution for storing semi-structured data
- Recommend a solution for storing non-relational data

Section 8 : Design a data storage solution for non-relational data

- Recommend access control solutions to data storage
- Recommend a data storage solution to balance features, performance, and cost

Section 9 : Design a solution for backup and disaster recovery

- Recommend a recovery solution for Azure, hybrid, and on-premises workloads that meets recovery Objectives
- Understand the recovery solutions for containers
- Recommend a backup and recovery solution for compute
- Recommend a backup and recovery solution for databases
- Recommend a backup and recovery solution for unstructured data

Section 10 : Design a solution for high availability

- Identify the availability requirements of Azure resources
- Recommend a high availability solution for compute
- Recommend a high availability solution for non-relational data storage
- Recommend a high availability solution for relational data storage

Section 11 : Design a compute solution

- Recommend a virtual machine–based compute solution
- Recommend an appropriately sized compute solution based on workload requirements
- Recommend a container-based compute solution
- Recommend a server less-based compute solution

Section 12 : Design an application architecture

- Recommend a caching solution for applications
- Recommend a messaging architecture
- Recommend an event-driven architecture
- Recommend an automated deployment solution fo ryourapplications
- Recommend an application configuration management solution
- Recommenda solution for API integration

Section 13 : Design migrations

- Evaluatea migration solution that leverages the Cloud Adoption Framework for Azure
- Assessand interpreton-premisesservers,data,andapplicationsfor migration
- Recommend a solution for migrating applications and virtual machines
- Recommend a solution for migrating databases
- Recommend a solution for migrating unstructured data

Section 14 : Design a compute solution

- Recommend a network architecture solution based on workload requirements
- Recommend a connectivity solution that connects Azure resources to the internet
- Recommend a connectivity solution that connects Azure resources to on-premises networks
- Optimize network performance for applications
- Recommend a solution to optimize network security
- Recommend a load balancing and routing solution

SKILLS AND TOOLS

Tools Covered

Azure Blueprints

Azure Security Center

Cosmos DB

Azure Site Recovery

Azure Traffic Manager

Azure Kubernetes Service

Application Gateway

Azure Powershell

Azure Resource Manager

Azure Virtual Network

Skills Covered

Authentication

Azure Active Directory

scalable network architecture

Azure Virtual Machines

Azure RTO

Load Balancing

Log Analytics

RBAC

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Simplifying IT

CERTIFICATE
OF EXCELLENCE

THIS IS TO CERTIFY THAT

JANANI. A

CANDIDATE ID : CRPRM9551

has successfully completed

AZURE SOLUTION ARCHITECT

Course Conducted During March 2025 to May 2025

Date: 29-06-2025

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

VELACHERY

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OVERSEAS

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