

Designing Microsoft Azure Infrastructure Solutions (Exam AZ-305)

Edufane Overview

Edufane is an online technical training provider platform. We provide industry-vetted certification training programs which help freshers, students, and working professionals to upskill with confidence. We focus on providing industry experience by our extensive hands-on projects knowledge, career consultancy, advance technical understanding and offer industry-recognized certifications programs.

Why Edufane

- Lifetime Membership (Unlimited Batch Access)
- Realtime Live Training
- Real-world Project-based Training
- Live Class Recording
- Hands-On Lab Material
- Mock Interview & Resume Preparation
- Job Assistance
- Certified Trainer with Strong Expertise

Our Training Courses

- Microsoft .NET (C#)
- ASP.Net Core
- ASP.Net MVC
- Azure Administration Associate (AZ-104)
- Azure Developer Associate (AZ-204)
- Azure DevOps Engineer Expert (AZ-400)
- Azure Solutions Architect Expert (AZ-305)
- Power BI Data Analyst Associate (DA-100)



Course Overview

As a candidate for this certification, you should have subject matter expertise in implementing, managing, and monitoring an organization's Azure DevOps environment, including:

- GitHub
- Microsoft Teams
- Project Planning
- Migration
- Security
- Governance

As an Azure Infrastructure Architect SME, you often serve as part of a larger team dedicated to Design and implementing an organization's Infrastructure Solutions . You also coordinate with other roles to deliver Azure networking, security, database, application development, and Database solutions.

You should be familiar with:

- Scalability
- Azure Storage
- Disaster Recovery
- Databases

In addition, you should have experience with:

- PowerShell
- Azure CLI
- The Azure portal
- Azure Resource Manager templates
- Microsoft Entra ID

Module 1: Design Identity, Governance and Monitoring Solutions

➤ Design solutions for Logging and Monitoring

- Recommend a logging solution
- Recommend a solution for routing logs
- Recommend a monitoring solution

➤ Design Authentication and Authorization Solutions

- Recommend an authentication solution
- Recommend an identity management solution
- Recommend a solution for authorizing access to Azure resources
- Recommend a solution to manage secrets, certificates, and keys



➤ Design Governance

- Recommend a structure for management groups, subscriptions, and resource groups, and a strategy for resource tagging
- Recommend a solution for managing compliance
- Recommend a solution for identity governance

Module 2: Develop Data Storage Solutions

➤ Design Data Storage Solutions for Relational data

- Recommend a solution for storing relational data
- Recommend a database service tier and compute tier
- Recommend a solution for database scalability
- Recommend a solution for data protection

➤ Design Data storage solutions for semi-structured and Unstructured Data

- Recommend a solution for storing semi-structured data
- Recommend a solution for storing unstructured data
- Recommend a data storage solution to balance features, performance, and costs
- Recommend a data solution for protection and durability

➤ Design Data Integration

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



Module 3: Design Business Continuity Solutions

➤ Design Solutions for Backup and Disaster Recovery

- Recommend a recovery solution for Azure and hybrid workloads that meets recovery objectives
- 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

➤ Design for High Availability

- Recommend a high availability solution for compute
- Recommend a high availability solution for relational data
- Recommend a high availability solution for semi-structured and unstructured data

Module 4: Design Infrastructure Solutions

➤ Design Compute Solutions

- Specify components of a compute solution based on workload requirements
- Recommend a virtual machine-based solution
- Recommend a container-based solution
- Recommend a serverless-based solution
- Recommend a compute solution for batch processing

➤ Design an Application Architecture

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



➤ Design Migrations

- Evaluate a migration solution that leverages the Microsoft Cloud Adoption Framework for Azure
- Evaluate on-premises servers, data, and applications for migration
- Recommend a solution for migrating workloads to infrastructure as a service (IaaS) and platform as a service (PaaS)
- Recommend a solution for migrating databases
- Recommend a solution for migrating unstructured data

➤ Design Network Solutions

- Recommend a connectivity solution that connects Azure resources to the internet
- Recommend a connectivity solution that connects Azure resources to on-premises networks
- Recommend a solution to optimize network performance
- Recommend a solution to optimize network security
- Recommend a load-balancing and routing solution

Duration: 40 Hrs. **Mode:** Online **Days:** Weekends (Sat & Sun) **Fee:** ₹20,000 ₹ 10,000

