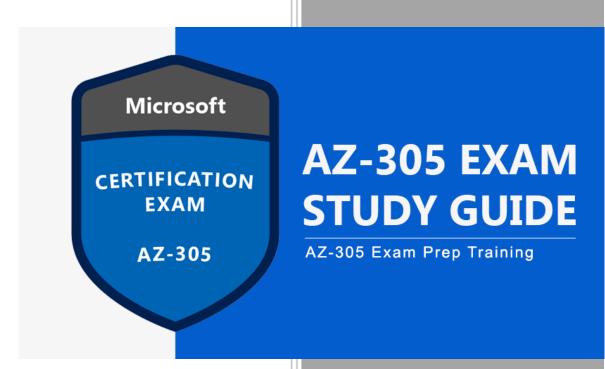


AZ-305 Azure Solutions Architect Certification



USER

Sprintzeal AZ-305 Azure Solutions Architect Certification Course Syllabus Overview

Module 1: Course Introduction

Chapter 01 - Course Introduction

Module 2: Design a Governance Solution

Chapter 01 - Design Governance

Chapter 02 - Design for management groups and subscriptions

Chapter 03 - Design for Resource Groups

Chapter 04 - Recommend a Strategy for Tagging

Chapter 05 - Recommend a Solution for using Azure Policy

Chapter 06 - Recommend a Solution for using Azure Blueprints

Module 3: Design authentication solutions

Chapter 01 - Azure Active Directory

Chapter 02 - Recommend a Solution for Single-Sign On (SSO)

Chapter 03 - Recommend a solution for Authentication

Chapter 04 - Recommend a Solution for Conditional Access

Chapter 05 - Recommend a Solution that includes Managed Identities

Chapter 06 - Recommend a Solution that includes Key Vault

Chapter 07 - Recommend a solution for a Hybrid Identity

Chapter 08 - Recommend a solution for User Self-service

Chapter 09 - Recommend and implement a Solution for B2B Integration

Module 4: Design Authorization

Chapter 01 - Choose an Authorization Approach

Chapter 02 - Recommend a Hierarchical Structure for Access Control

Chapter 03 - Recommend an Access Management Solution

Module 5: Design a Solution for Logging and Monitoring

- Chapter 01 Design for Azure Workbooks and Azure insights
- Chapter 02 Recommend Appropriate Monitoring Tools for a Solution
- Chapter 03 Azure Monitoring
- Chapter 04 Health and availability monitoring
- Chapter 05 Cost Monitoring
- Chapter 06 Advanced Logging
- Chapter 07 Choose a Mechanism for Event Routing and Escalation

Module 6: Design for High Availability

- Chapter 01 Identify the availability requirements for Azure resources
- Chapter 02 Azure Front Door
- Chapter 03 Azure Traffic Manager
- Chapter 04 Recommend a high availability solution for compute
- Chapter 05 Recommend a high availability solution for relational data storage
- Chapter 06 Recommend a high availability solution for non-relational data
- Chapter 07 Identify Storage Types for High Availability

Module 7: Design a Solution for Backup and Recovery

- Chapter 01 Recommend a Recovery Solution for Azure Workloads
- Chapter 02 Recommend a Solution for Azure Backup Management
- Chapter 04 Design a Solution for Data Archiving and Retention
- Chapter 05 Design and Azure Site Recovery Solution
- Chapter 06 Recommend a Solution for Recovery in Different Regions

Module 8: Design a Solution for Non-Relational Data

- Chapter 01 Overview of Azure Non-relational Data
- Chapter 02 Storage Account
- Chapter 03 Design for Azure Blob storage
- Chapter 04 Azure Files

- Chapter 05 Design for Azure disk solutions
- Chapter 06 Storage Security
- Chapter 07 Recommend a Solution for Encrypting Data

Module 9: Design a Solution for Relational Data

- Chapter 01 Select an Appropriate Data Platform Based on Requirements
- Chapter 02 Recommend Database Service Tier Sizing
- Chapter 03 Recommend a Solution for Database Scalability
- Chapter 04 Design security for data
- Chapter 05 Design for Azure SQL Edge
- Chapter 06 Design for Azure Cosmos DB
- Chapter 07 Storage Management Tools

Module 10: Design Data Integration

- Chapter 01 Recommend a Data Flow to Meet Business Requirements
- Chapter 02 Recommend a solution for Data Integration
- Chapter 03 Design a strategy for hot, warm, cold data path
- Chapter 04 Design Azure Stream Analytics solution for data analysis

Module 11: Design a Compute Solution

- Chapter 01 Recommend a Solution for Compute Provisioning
- Chapter 02 Recommend a Solution for App service
- Chapter 03 Determine Appropriate Compute Technologies
- Chapter 04 Recommend a Solution for Containers
- Chapter 05 Recommend a solution for Automating Compute Management

Module 12: Design an Application Architecture

- Chapter 01 Recommend a Microservices Architecture
- Chapter 02 Recommend an Orchestration Solution for Deployment and Maintenance of Applications

Module 13: Design a Network Solution

- Chapter 01 Recommend a Network Architecture
- Chapter 02 Recommend a Solution for Network Addressing and Name Resolution
- Chapter 03 Recommend a Solution for Network Provisioning
- Chapter 04 Recommend Solutions for Network Security
- Chapter 05 Recommend Solutions for Network Connectivity
- Chapter 06 Recommend Solution for Automating Network Management
- Chapter 07 Recommend Solution for Load Balancing and Traffic Routing

Module 14: Design Migrations

- Chapter 01 Azure Migrate
- Chapter 02 Assessments using Azure Migrate
- Chapter 03 Recommend a Solution for Migrating Applications and VMs
- Chapter 04 Recommend a Solution for Migrating of Databases
- Chapter 05 Determine Migration Scope
- Chapter 06 Recommend a Solution for Migrating Data

Module 15: Design for Cost Optimization

- Chapter 01 Recommend a Solution for Cost Management and Cost Reporting
- Chapter 02 Recommend Solutions to Minimize Costs