

AZ-305 Azure Solutions Architect Certification



AZ-305 EXAM STUDY GUIDE

AZ-305 Exam Prep Training

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

Chapter 03 - Recommend a solution for API Integration

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