Azure Architect Technologies (AZ300)

Duration: 5 days

Course Overview

This five day course is aligned to Azure Exam: AZ-300, Azure Architect-Technologies contains the following:

1. **AZ-300T01: Deploying and Configuring Infrastructure**
2. **AZ-300T02: Implementing Workloads and Security**
3. **AZ-300T03: Understanding Cloud Architect Technology Solutions**
4. **AZ-300T04: Creating and Deploying Apps**
5. **AZ-300T06: Developing for the Cloud**

Who should attend

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

Course Objectives

After completing this course, students will be able to:

1. **Managing Azure Subscriptions and Resources**
2. **Implementing and Managing Storage**
3. **Deploying and Managing VMs**
4. **Configuring and Managing Virtual Networks**
5. **Managing Identities using Azure Active Directory**
6. **Evaluating and Performing Server Migration to Azure**
7. **Implementing and Managing Application Services**
8. **Implementing Advanced Virtual Networking.**
9. **Securing Identities using Azure AD.**
10. **Design and Connectivity Patterns**
11. **Hybrid Networking**
12. **Address Durability of Data and Caching**
13. **Measure Throughput and Structure of Data Access**
14. **Use shell commands to create an App Service Web App**
15. **Create Background Tasks**
16. **Use Swagger to document an API**
17. **Create a reliable service**

18. Create a Reliable Actors app
19. Hands-on with Reliable collections
20. Understand the Azure Container Registry
21. Use Azure Container instances
22. How to configure a message-based integration architecture
23. Understand how to Develop for Asynchronous Processing
24. Begin creating apps for Auto scaling
25. Understand Azure Cognitive Services Solutions

Course Content

1. Managing Azure Subscriptions and Resources
2. Implementing and Managing Storage
3. Deploying and Managing Virtual Machines (VMs)
4. Configuring and Managing Virtual Networks
5. Managing Identities
6. Evaluating and Performing Server Migration to Azure
7. Implementing and Managing Application Services
8. Implementing Advanced Virtual Networking
9. Securing Identities
10. Selecting Compute and Storage Solutions
11. Hybrid Networking
12. Measuring Throughput and Structure of Data Access
13. Creating Web Applications using PaaS
14. Creating Apps and Services Running on Service Fabric
15. Using Azure Kubernetes Service This module focuses on the Azure
16. Developing Long-Running Tasks and Distributed Transactions
17. Configuring a Message-Based Integration Architecture
18. Developing for Asynchronous Processing
19. Developing for Auto scaling
20. Developing Azure Cognitive Services Solutions
21. Develop for Azure Storage