

## Microsoft Azure AZ-204 Course Syllabus

### Section 1: Introduction of Azure

- Cloud Computing
- Azure Developer Exam Preparation Details
- Overview of Azure Services

### Section 2: Virtual Machines

- Build your first VM
- Add Web Role to Windows Server
- ARM Templates

### Section 3: Azure App Service

- Core Concepts
- Create & Deploy Web App
- Create & Deploy WebJobs
- Deploying and Monitoring of Azure App Service WebApps

### Section 4: Azure Containers

- Intro to Containers
- Install Docker for Windows
- Azure Container Instances

### Section 5: Function App

- Overview of Function App
- Implement Function App
- Overview of Durable Functions
- Implement Durable Function

### Section 6: Azure Storage

- Overview of Storage
- Working with Azure Blob Storage
- Working with Blob Container

### Section 7: CosmosDB

- Overview of CosmosDB
- Create a CosmosDB Collection
- Working with resources and data

### Section 8: SQL Database

- Overview of SQL
- Launch SQL Database
- Inserting Data into SQL Database

### Section 9: Blob Containers

- Overview
- Working with Blob

### Section 10: Authentication

- Create your first Azure AD
- Build & Publish
- Multi-Factor Authentication



### Section 11: Scaling Apps & Services

- Manual vs Automatic Scaling
- Working with Virtual Machines

### Section 12: Security

- Manage Keys
- Manage Secrets
- Manage Certificates
- Data Encryption
- Azure Key Vault

### Section 13: Operations

- Overview of Azure Monitor

- How to Monitor resources in Azure Monitor

#### **Section 14: Azure Logic Apps**

- Overview of Logic Apps
- Developing Azure Logic Apps
- Azure Search and API Management

#### **Section 15: Caching and CDN**

- Overview of Redis Caching
- Integration of Redis Cache and CDN

#### **Section 16: Messaging Services**

- Azure Storage Queues
- Service Bus Queue
- Implementation of Queues

#### **Section 17: Blob Containers**

- Overview
- Working with Blob

