Course AZ-101T02-A: Implementing and Managing Application Services

Module 1: Introducing the Azure App Service Platform

In this module, you will be introduced to the Azure App Services Platform. You will learn about app service plans, web app hosting options, app service scenarios and how to monitor apps. You will also learn about how to isolate apps with App Service Environments.
Lessons
- Introducing Azure App Service
- App Service Environments

After completing this module, students will be able to:
- Implement use cases and configuration options for Azure App Services and App Service Environments.

Module 2: Managing and Securing Web Apps

In this module, you will learn how to deploy your app with minimal downtime. You will also learn how to backup, restore, snapshot, and clone your app. Lastly, you will implement security features like authentication options and authentication providers.
Lessons
- Deploying Web Apps
- Managing Web Apps
- App Service Security

After completing this module, students will be able to:
- Manage and secure web apps with backup, restore, snapshot, and cloning.

Module 3: Scaling and Performance

In this module, you will learn how to ensure your app performs under various workloads. You will learn how to scale up and scale out your app. You will learn how to automatically scale your app and to grow out the app through geo-distribution. Lastly you will learn how CDN provides a way to optimize bandwidth and web traffic.
Lessons
- Scale Up and Scale Out
- Autoscale and Grow out
- Optimizing Bandwidth and Web Traffic

After completing this module, students will be able to:
- Optimize your web app performance with Scale Up, Scale Out, Autoscale, and Grow out strategies.

Module 4: Deploying Serverless Computing Solutions

In the module, you will learn what serverless computing is and what it provides. You will implement three serverless computing solutions: Azure Functions, Event Grid, and Service Bus. Azure Functions provide small pieces of code, or "functions," that run in the cloud. Event Grid is a service for managing routing of all events from any source to any destination. Service Bus multi-tenant cloud messaging service that sends information between applications and services.

Lessons
- Serverless Computing Concepts
- Managing Azure Functions
- Managing Event Grid
- Managing Service Bus
- Managing Logic App

After completing this module, students will be able to:
- Deploy serverless computing features like Azure Functions, Event Grid, and Service Bus.