

Implement And Manage Application Services (AZ-101.2)

Modality: On Demand

Duration: 24 Hours

"The exam associated with this training has been retired. However for purely educational purposes you can access this training."

This course has been officially retired by Microsoft. It is replaced by the Microsoft Azure Administrator Certification (AZ-103)

If you plan to take the exam in the year 2020, then please register for the said replacement course Mentioned.

About this course:

This course teaches IT Professionals how to manage and maintain the infrastructure for the core web apps and services that developers build and deploy. Students will learn how Azure App Service is used as a Platform as a Service (PaaS) offering for deploying cloud apps for web and mobile environments. Students will learn how to use App Service Environments (ASE) to host a dedicated environment for securing and running App Service apps at scale. Students will also learn how to use deployment slots as staging environments for web apps, that can then be swapped into production when needed. This course also teaches students how to scale up and scale out to meet and adjust for demand, and how bandwidth for web traffic can be optimized using Application Gateways and Content Delivery Networks (CDN). Lastly, the course provides students with an overview of serverless computing solutions, including Azure Functions, Event Grid, Service Bus, and Logic Apps.

Course Objective:

After completing this course, students will be able to:

- Implement use cases and configuration options for Azure App Services and App Service Environments.
- Manage and secure web apps with backup, restore, snapshot, and cloning.
- Optimize your web app performance with Scale Up, Scale Out, Autoscale, and Grow out strategies.
- Deploy serverless computing features like Azure Functions, Event Grid, and Service Bus.

Audience:

- This course is for Azure Administrators. Azure Administrators manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and

coordinating with vendors. Azure Administrators use the Azure Portal and as they become more proficient they use PowerShell and the Command Line Interface.

Prerequisite:

- Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking.

Course Outline:

1 | Introducing the Azure App Service Platform

- Introducing Azure App Service
- App Service Environments
- Module 1 Review Questions

2 | Managing and Securing Web Apps

- Deploying Web Apps
- Managing Web Apps
- App Service Security
- Module 2 Review Questions

3 | Scaling and Performance

- Scale Up and Scale Out
- Autoscale and Grow Out
- Optimizing Bandwidth and Web Traffic
- Module 3 Review Questions

4 | Deploying Serverless Computing Solutions

- Serverless Computing Concepts
- Managing Azure Functions
- Managing Event Grid
- Managing Service Bus
- Managing Logic App
- Module 4 Review Questions

5 | Lab-Implement and Manage Application Services

- Lab

Course Completion

- Final Exam