Implementing Workloads And Security (AZ-300.2)

Modality: On Demand

Duration: 34 Hours

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

This course prepares you for the AZ-300 Exam leading to AZ-300 Certification. This course does not include the Official Exam Voucher, however, you can request to purchase the Official Exam Voucher separately.

About this course:

This course teaches IT professionals how to discover, assess, plan and implement a migration of on-premises resources and infrastructure to Azure. Students will learn how to use Azure Migrate to perform the discovery and assessment phase that is critical to a successful migration. Students will also learn how to use Azure Site Recovery for performing the actual migration of workloads to Azure. The course focuses primarily on using ASR on a Hyper-V infrastructure to prepare and complete the migration process.

Also, you will learn how to deploy serverless computing features like Azure Functions, Event Grid, and Service Bus. You will learn how Azure Multi-Factor Authentication helps safeguard access to data and applications, helping to meet customer demand for a simple sign-in process. Also, how to use Azure Active Directory Privileged Identity Management to manage, control, and monitor access to Azure resources within your organization.

See 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.

Lastly, you will get a glimpse of how to implement advanced networking features like Application Gateway and how to configure load balancing. Learn to integrate on-premises networks with Azure virtual networks and to use Network Watcher to monitor and troubleshoot issues.

Course Objective:

After completing this course, students will be able to:

- Evaluating and Performing Server Migration to Azure
- Implementing and Managing Application Services
- Implementing Advanced Virtual Networking.
- Securing Identities using Azure AD.

Audience:

- Audience profile

  Successful Azure Solutions Architects start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

Prerequisite:

- experience on operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

Course Outline:

Module 1 - Evaluating and Performing Server Migration Azure

- Migrate Azure
- Azure Migrate Process
- Overview of Azure Site Recovery (ASR)
- Preparing the Infrastructure
- Completing the Migration Process
- Online Lab: Lab: Implementing Azure-to-Azure Migration
- Review Questions
- Module 1 Assessment

Module 2 - Implementing and Managing Application Services

- Deploying Web Apps
- Managing Web Apps
- App Service Security
- Serverless Computing Concepts
- Managing Azure Functions
- Managing Event Grid
- Managing Service Bus
- Managing Logic App
- Review Questions
- Module 2 Assessment

Module 3 - Implementing Advanced Virtual Networking

- Azure Load Balancer

- Azure Application Gateway
- Site--Site VPN Connections
- ExpressRoute
- Online Lab: Configuring VNet Peering and Service Chaining
- Online Lab: Lab: Implementing Azure Load Balancer Standard
- Review Questions
- Module 3 Assessment