Deploying And Configuring Infrastructure (AZ-300.1)

Modality: On Demand

Duration: 24 Hours

This course makes you ready for the Exam of AZ-300.1 leading to the Certification of AZ-300.1. No Exam Voucher includes in this course, but you have the option to request the purchase of a Voucher for the Official Exam separately.

About this course:

In this course, IT Professionals learn the best way to deal with their Azure resources, including setup and deployment of virtual machines, storage records, virtual networks, and Azure AD that includes managing and implementing hybrid identities. Also, you will figure out how cloud assets are overseen in Azure through group and user accounts, and how to give access to the users, groups, and services of Azure AD using Role-based access control (RBAC).

You will find out about the distinctive storage services and accounts and also fundamental information replication ideas and accessible replication plans. Also, understudies are introduced to Storage Explorer as a helpful method to work with Azure storage information. Understudies also get familiar with the sorts of capacity and how to function with oversaw and custom disks.

Azure blob storage is the manner by which Azure stores unstructured information in the cloud, and you will work with blobs and mass containers. Notwithstanding the blob storage, the course covers Queue and Table storage as capacity alternatives for organized information.

Course Objective:

- Managing Azure Resources and Subscriptions.
- Deploying and Managing VMs
- Implementing and Managing Storage
- Managing Identities using Azure Active Directory
- Configuring and Managing Virtual Networks
- Creating Virtual Machines in the Azure Portal
- Creating Virtual Machines (PowerShell)
- Creating Virtual Machines using ARM Templates
- Deploying Custom Images
- Deploying Linux Virtual Machines
- Backup and Restore
- Monitoring Virtual Machines

Audience:

Architects of Cloud Solutions start this job with pragmatic involvement in virtualization, cloud infrastructure, storage structures, operating frameworks, networking, and billing.

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Prerequisite:

Functional involvement in virtualization, cloud infrastructure, operating systems, storage structures, networking, and billing.

Course Outline:

?Module 1 - Managing Azure Subscriptions and Resources

- Exploring Monitoring Capabilities in Azure
- Azure Alerts
- Azure Activity Logs
- Introduction Log Analytics
- Querying and Analyzing Log Analytics Data
- Review Questions
- Module 1 Assessment

Module 2 - Implementing and Managing Storage

- Azure Storage Accounts
- Data Replication
- Azure Storage Explorer
- Storing and Accessing Data
- Monitoring Storage
- Review Questions
- Module 2 Assessment

Module 3 - Deploying and Managing Virtual Machines (VMs)

- Creating Virtual Machines in the Azure Portal
- Creating Virtual Machines (PowerShell)
- Creating Virtual Machines using ARM Templates
- Deploying Custom Images
- Deploying Linux Virtual Machines
- Backup and Restore
- Monitoring Virtual Machines
- Review Questions
- Online Lab:
- Module 3 Assessment

Module 4 - Configuring and Managing Virtual Networks

- Creating Azure Virtual Networks
- Review of IP Addressing
- Network Routing
- Intersite Connectivity
- Virtual Network Peering
- Review Questions

- Module 4 Assessment

Module 5 - Managing Identities

- Managing Azure Active Directory (AAD)
- Implementing and Managing Hybrid Identities
- Review Questions
- Module 5 Assessment