Microsoft Azure Administrator (AZ-104)

Duration: 4 Days   Course Code: M-AZ104   Delivery Method: Virtual Learning

Overview:

The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment.
This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.
Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.
- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

Objectives:

- Students will learn,

- AZ-104: Configure and manage virtual networks for Azure administrators

Testing and Certification

- Microsoft Certified: Azure Administrator Associate

Content:

Module 1: AZ-104: Prerequisites for Azure administrators

- Manage services with the Azure portal
- Introduction to Azure Cloud Shell
- Introduction to Bash
- Introduction to PowerShell
- Deploy Azure infrastructure by using JSON ARM templates

Module 2: AZ-104: Manage identities and governance in Azure

- Understand Microsoft Entra ID
- Create, configure, and manage identitiesDescribe the core architectural components of Azure
- Azure Policy initiatives
- Secure your Azure resources with Azure role-based access control (Azure RBAC)
- Allow users to reset their password with Microsoft Entra self-service password reset

Module 3: AZ-104: Configure and manage virtual networks for Azure administrators

- Configure virtual networks
- Configure network security groups
- Host your domain on Azure DNS
- Configure Azure Virtual Network peering
- Manage and control traffic flow in your Azure deployment with routes
- Configure Azure Load Balancer
- Configure Azure Application Gateway
- Introduction to Azure Network Watcher

Module 4: AZ-104: Implement and manage storage in Azure

- Configure storage accounts
- Configure Azure Blob Storage
- Configure Azure Storage security
- Configure Azure Files

Module 5: AZ-104: Deploy and manage Azure compute resources

- Introduction to Azure virtual machines
- Configure virtual machine availability
- Configure Azure App Service plans
- Configure Azure App Service
- Configure Azure Container Instances

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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