AZ-104T00: Microsoft Azure Administrator

Course Description

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and onpremises 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

Course Duration

4 days

Prerequisites

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.

Prerequisite courses (or equivalent knowledge and hands-on experience):

This free online training will give you the experience you need to be successful in this course.

- Microsoft Azure Fundamentals: Describe cloud concepts
- Azure Fundamentals: Describe Azure architecture and services
- Azure Fundamentals: Describe Azure management and governance
- AZ-104: Prerequisites for Azure administrators - Learn | Microsoft Docs

Course Outline

- Configure Azure Active Directory.
- Configure user and group accounts.
- Configure subscriptions.
- Configure Azure Policy.
- Configure role-based access control.
- Configure Azure resources with tools.
- Use Azure Resource Manager.
- Configure resources with Azure Resource Manager templates.
- Configure virtual networks.
- Configure network security groups. .
- Configure Azure Firewall.
- Configure Azure DNS.
- Configure Azure Virtual Network peering.
- Configure Azure VPN Gateway.
- Configure Azure ExpressRoute and Azure Virtual WAN.
- Configure network routing and endpoints.

- Configure Azure Load Balancer.
- Configure Azure Application Gateway.
- Configure storage accounts.
- Configure Azure Blob Storage.
- Configure Azure Storage security.
- Configure Azure Files and Azure File Sync.
- Configure Azure Storage with tools.
- Configure virtual machines.
- Configure virtual machine availability.
- Configure virtual machine extensions.
- Configure Azure App Service plans.
- Configure Azure App Service.
- Configure Azure Container Instances.
- Configure Azure Kubernetes Service.
- Configure file and folder backups.
- Configure virtual machine backups.
- Configure Azure Monitor.
- Configure Azure alerts.
- Configure Log Analytics.
- Configure Azure Network Watcher

Who Should Attend

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.