



SAIL SMOOTH IN TECH OCEAN

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Microsoft AZ 104 Azure Administrator

Microsoft AZ 104 Azure Administrator course equips IT professionals with the essential skills to configure, manage, secure, and administer key functions within Microsoft Azure. Participants will learn to manage Azure subscriptions, secure identities, administer infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, deploy web apps and containers, back up and share data, and monitor solutions.

Audience Profile:

This course is designed for Azure Administrators responsible for implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment. Candidates should possess experience in virtualization, networking, identity, and storage technologies. The ideal candidate should have subject matter expertise in Azure environments, including virtual networks, storage, compute, identity, security, and governance. Azure Administrators often work as part of a larger team responsible for delivering Azure networking, security, database, application development, and DevOps solutions.

Tech Stack To Be Covered



Azure Active Directory



Azure AD Roles



Azure Storage



Azure Virtual Machine



Azure Compliance



Azure Virtual Network



Azure Monitor

Module 1: Manage Azure Identities and Governance

- Configure Microsoft Entra ID
- Configure User and Group Accounts
- Configure Subscriptions
- Configure Azure Policy
- Configure Role-Based Access Control

Module 2: Implement and Manage Storage

- Configure Azure Resources with Tools
- Use Azure Resource Manager
- Configure Resources with Azure Resource Manager Templates
- Configure Storage Accounts
- Configure Azure Blob Storage
- Configure Azure Storage Security
- Configure Azure Files and Azure File Sync

Module 3: Deploy and Manage Azure Compute Resources

- Configure Virtual Networks
- Configure Network Security Groups

- Configure Azure DNS
- Configure Azure Virtual Network Peering
- Configure Network Routing and Endpoints
- Configure Azure Load Balancer
- Configure Azure Application Gateway

Module 4: Implement and Manage Virtual Networking

- Configure Virtual Machines
- Configure Virtual Machine Availability
- Configure Azure App Service Plans
- Configure Azure App Service
- Configure Azure Container Instances

Module 5: Monitor and Maintain Azure Resources

- Configure File and Folder Backups
- Configure Virtual Machine Backups
- Configure Azure Monitor
- Improve Incident Response with Alerting on Azure
- Configure Log Analytics
- Configure Network Watcher

Preparation for the Exam:

Participants will be prepared for the Microsoft Certified: Azure Administrator Associate exam through comprehensive coverage of all skills measured in the exam.

Prerequisites:

- Understanding of on-premises virtualization technologies, including VMs, virtual networking, and virtual hard disks.
- Knowledge of network configurations, including TCP/IP, DNS, VPNs, firewalls, and encryption technologies.
- Familiarity with Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

- Experience with operating systems, networking, servers, and virtualization.
- Proficiency in PowerShell, Azure CLI, the Azure portal, Azure Resource Manager templates, and Microsoft Entra ID.