

Training: Microsoft AZ-104T00 Microsoft Azure Administrator



TRAINING GOALS:

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.

Audience profile:

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.

CONSPECT:

- Identity
 - Azure Active Directory
 - Users and Groups
- Governance and Compliance
 - Subscriptions and Accounts
 - Azure Policy
- Azure Administration
 - Azure Resource Manager
 - Azure Portal and Cloud Shell
 - Azure PowerShell and CLI
- Virtual Networking
 - Virtual Networks
 - IP Addressing
 - Network Security groups
 - Azure Firewall
 - Azure DNS
- Intersite Connectivity
 - VNet Peering
 - VPN Gateway Connections

- ExpressRoute and Virtual WAN
- Network Traffic Management
 - Network Routing and Endpoints
 - Azure Load Balancer
 - Azure Application Gateway
 - Traffic Manager
- Azure Storage
 - Storage Accounts
 - Blob Storage
 - Storage Security
 - Azure Files and File Sync
 - Managing Storage
- Azure Virtual Machines
 - Virtual Machine Planning
 - Creating Virtual Machines
 - Virtual Machine Availability
 - Virtual Machine Extensions
- Serverless Computing
 - Azure App Service Plans
 - Azure App Service
 - Container Services
 - Azure Kubernetes Service
- Data Protection
 - File and Folder Backups
 - Virtual Machine Backups
- Monitoring
 - Azure Monitor
 - Azure Alerts
 - Log Analytics
 - Network Watcher

REQUIREMENTS:

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

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking,

and virtual hard disks.

- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP).
- Understanding of resilience and disaster recovery, including backup and restore operations.

Difficulty level



CERTIFICATE:

The participants will obtain Microsoft certificates.

TRAINER:

Microsoft Certified Trainer.