Microsoft Azure Administrator

CODICE	AZ-104T00
DURATA	4 gg
PREZZO	1.590,00 €
EXAM	

DESCRIZIONE

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.

TARGET

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.

PREREQUISTI

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.

CONTENUTI

Prerequisites for Azure administrators

- Introduction to Azure Cloud Shell
- Introduction to Bash
- Introduction to PowerShell

Manage identities and governance in Azure

- Understand Microsoft Entra ID
- Configure user and group accounts
- Configure subscriptions
- Configure Azure Policy
- Manage users and groups in Microsoft Entra ID
- 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

Configure and manage virtual networks for Azure administrators

- Configure virtual networks
- Configure network security groups
- Configure Azure Virtual Network peering
- Configure Azure Load Balancer
- Configure Azure Application Gateway
- Design an IP addressing schema for your Azure deployment
- Distribute your services across Azure virtual networks and integrate them by using virtual network peering
- Host your domain on Azure DNS
- Manage and control traffic flow in your Azure deployment with routes
- Improve application scalability and resiliency by using Azure Load Balancer

Implement and manage storage in Azure

- Configure storage accounts
- Configure Azure Blob Storage
- Configure Azure Storage security
- Configure Azure Files and Azure File Sync
- Create an Azure Storage account
- Upload, download, and manage data with Azure Storage Explorer

Deploy and manage Azure compute resources

- Configure virtual machines
- Configure virtual machine availability
- Configure Azure App Service plans
- Configure Azure App Service
- Configure Azure Container Instances
- Manage virtual machines with the Azure CLI
- Create a Windows virtual machine in Azure

- Host a web application with Azure App Service

Monitor and backup Azure resources

- Introduction to Azure Backup
- Configure Azure Monitor
- Configure Log Analytics
- Configure Network Watcher
- Improve incident response with Azure Monitor alerts
- Analyze your Azure infrastructure by using Azure Monitor logs
- Monitor your Azure virtual machines with Azure Monitor