

## AZ-104: Microsoft Azure Administrator [AZ-104T00-A] (EN)

### Group Training

Training code	CGAAZ104CE
Spoken Language	English
Language Materials	English
Dayparts	8
Price	€2.400,00 excl. VAT No extra costs.

### What is AZ-104: Microsoft Azure Administrator Training [AZ-104T00-A]

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.

This course uses MOC (Microsoft Official Courseware) and will be given by an experienced MCT (Microsoft Certified Trainer).

See the below modules for more information:

#### Module 1: Identity

Students will learn how to secure identities with Azure Active Directory and implement users and groups.

##### Lessons

- Azure Active Directory
- Users and Groups

#### Module 2: Governance and Compliance

Students will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.

##### Lessons

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control (RBAC)

#### Module 3: Azure Administration

Students will learn about the tools an Azure Administrator uses to manage their infrastructure. This includes



the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates. This module includes:

Lessons

- Azure Resource Manager
- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- ARM Templates

Module 4: Virtual Networking

Students will learn about basic virtual networking concepts like virtual networks and subnetting, IP addressing, network security groups, Azure Firewall, and Azure DNS.

Lessons

- Virtual Networks
- IP Addressing
- Network Security groups
- Azure Firewall
- Azure DNS

Module 5: Intersite Connectivity

Students will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.

Lessons

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

Module 6: Network Traffic Management

Students will learn about network traffic strategies including network routing and service endpoints, Azure Load Balancer, and Azure Application Gateway.

Lessons

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway

Module 7: Azure Storage

Students will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.

Lessons

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Module 8: Azure Virtual Machines

Students will learn about Azure virtual machines including planning, creating, availability and extensions.

Lessons



- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

#### Module 9: Serverless Computing

Students will learn how to administer serverless computing features like Azure App Service, Azure Container Instances, and Kubernetes.

##### Lessons

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

#### Module 10: Data Protection

Students will learn about backing up files and folders, and virtual machine backups.

##### Lessons

- File and Folder Backups
- Virtual Machine Backups

#### Module 11: Monitoring

Students will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

##### Lessons

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher

## Who should attend AZ-104: Microsoft Azure Administrator Training [AZ-104T00-A]

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.

Also, you will receive a voucher to make the exam. Enlist today!

### Prerequisites

A candidate for this certification should have at least six months of hands-on experience administering Azure, along with a strong,

- Understanding of core Azure services, Azure workloads, security, governance, identity and storage.
- Understanding on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding Active Directory concepts, including users, groups, and role-based access control.
- Understanding resilience and disaster recovery, including backup and restore operations.



- In addition, this role should have experience using PowerShell, Azure CLI, Azure portal, and Azure Resource Manager templates.

You can gain the prerequisites and a better understanding of Azure by taking AZ-104: Prerequisites for Azure Administrators. This free online training will give you the experience you need to be successful in this course.

## Objectives

After completing this course, you will be able to:

- Secure and manage identities with Azure Active Directory.
- Implement and manage users and groups, Azure subscriptions, accounts and policies.
- Leverage Azure Resource Manager and use RABC to assign permissions.
- Use the Azure Portal and Cloud Shell, PowerShell and CLI and use ARM Templates to deploy resources.
- Implement virtual networks and subnets.
- Configure public and private IP addressing and DNS zones, network security groups, Azure Firewall, VNet Peering and VPN gateways.
- Configure network routing, an Azure Load Balancer and Azure Application Gateway.
- Create Azure storage accounts and manage storage with tools such as Storage Explorer.
- Configure blob containers, Azure files shares and file sync.
- Create and plan for virtual machine implementations.
- Configure virtual machine availability, including scale sets and use virtual machine extensions.
- Backup and restore file and folders and virtual machines.
- Create an app service plan and a web app.
- Implement Azure Container Instances and Azure Kubernetes Service.
- Use Azure Monitor Network Watcher, create Azure alerts and Query using Log Analytics.

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