

# Microsoft Azure administration - AZ-104

Course: **00165**

Filter: **Beginner**

Duration: **4 days**

Category:: **Networking**

Price: **2794,00 €**

## About Course

This course is designed for Azure administrators responsible for management, monitoring and governance of Azure services. Participants will acquire practical skills for deploying, configuring and maintaining Azure solutions.

## What you'll learn

- Acquire the practical skills needed to deploy, configure and maintain Azure solutions
- Prepare participants for the Microsoft AZ-104 exam

## Targeted audience

- Microsoft technical managers
- Systems administrators

## Pre-requisites

- Completion of the Azure Fundamentals course or equivalent recommended but not mandatory
- Functional knowledge of IT and Microsoft tools

## Curriculum

## **Module 1: Managing identities**

- Managing identities and governance in Azure
- Understanding identities in Entra ID
- Creating, configuring and managing identities

## **Module 2: Managing governance and compliance**

- Describing the main architectural components of Azure
- Azure Policy Initiatives
- Securing Azure resources with role-based access control (RBAC)

## **Module 3: Administering Azure resources**

- Prerequisites for Azure administrators
- Managing services via the Azure portal
- Introduction to PowerShell and Bash
- Deploying Azure resources using templates

## **Module 4: Administering virtual networks**

- Configuring and managing virtual networks for Azure administrators
- Configuring virtual networks
- Configuring Network Security Groups
- Hosting a domain on Azure DNS

## **Module 5: Managing connectivity between sites**

- Configuring virtual network interconnection (VNet Peering)
- Managing and controlling traffic flow with routes

## **Module 6: Managing network traffic**

- Introduction to Azure Load Balancer
- Introduction to Application Gateway
- Introduction to Network Watcher

## **Module 7: Administering Azure storage**

- Implementing and managing storage in Azure
- Configuring Storage Accounts
- Configuring Blob Storage and Security
- Configuring Azure Files

## **Module 8: Administering Azure virtual machines**

- Deploying and managing Azure compute resources
- Introduction to Azure virtual machines
- Configuring the availability of virtual machines

## **Module 9: Administering compute PaaS options**

- Configuring Azure App Service plans and services
- Configuring Azure container instances

## **Module 10: Administering data protection**

- Monitoring and backing up Azure resources
- Introduction to Azure Backup
- Protecting your virtual machines with Azure Backup

## **Module 11: Administering monitoring**

- Introduction to Azure Monitor
- Improving incident response with Azure Alerts
- Analysing infrastructure with Azure Monitor logs