

# Microsoft Azure Administrator

Course code: MOC AZ-104

This course teaches IT Professionals how to secure identities, manage their Azure subscriptions, 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.

## Prerequisites

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

## Course outline

Azure Active Directory

Users and Groups

Subscriptions and Accounts

Azure Policy

Role-based Access Control (RBAC)

Azure Resource Manager

Azure Portal and Cloud Shell

Azure PowerShell and CLI

ARM Templates

Virtual Networks

IP Addressing

Network Security groups

Azure Firewall

Azure DNS

VNet Peering

VPN Gateway Connections

ExpressRoute and Virtual WAN

Network Routing and Endpoints

Azure Load Balancer

Azure Application Gateway

Traffic Manager

Storage Accounts

Blob Storage

Storage Security

Azure Files and File Sync

Managing Storage

Virtual Machine Planning

Creating Virtual Machines

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# Microsoft Azure Administrator

Virtual Machine Availability

Virtual Machine Extensions

Azure App Service Plans

Azure App Service

Container Services

Azure Kubernetes Service

File and Folder Backups

Virtual Machine Backups

Azure Monitor

Azure Alerts

Log Analytics

Network Watcher

## Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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