

**Microsoft Azure Administrator (AZ-104)**

**Course Number:** MOC-AZ-104
**Duration:** 4 days

**Overview**

This Microsoft Azure Administrator Training (AZ-104) training course teaches attendees all aspects of administering Microsoft Azure. This course prepares students for the [AZ-104 exam](https://docs.microsoft.com/en-us/learn/certifications/exams/AZ-104) for which every attendee receives a voucher.

Need more in-depth training on targeted Azure skills taught in this course? For deeper exploration of key topics, add any of these 1-day hands-on Azure learning paths to your training:

* [Configure Secure Access to your Workloads using Networking with Azure Virtual Network (AZ-1002)](file:////training/configure-secure-access-workloads-networking-azure-virtual-network)
* [Secure Storage for Azure Files and Azure Blob Storage (AZ-1003)](file:////training/secure-storage-for-azure-files-and-azure-blob-storage)
* [Deploy and Configure Azure Monitor (AZ-1004)](file:////training/deploy-and-configure-azure-monitor)
* [Configuring Azure Virtual Desktop for the Enterprise (AZ-1005)](file:////training/configuring-azure-virtual-desktop-enterprise)

**Prerequisites**

All students must have an understanding of:

* On-premises virtualization technologies, including VMs, virtual networking, and virtual hard disks
* Network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
* Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP)
* Resilience and disaster recovery, including backup and restore operations

**Materials**

All Microsoft Azure training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* 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
* Monitor their solutions

**Outline**

* Introduction
* Configure Azure Active Directory
* Configure user and group accounts
* Configure subscriptions
* Configure Azure Policy
* Configure role-based access control
* Configure Azure resources with tools
* Use Azure Resource Manager
* Configure resources with Azure Resource Manager templates
* Configure virtual networks
* Configure network security groups
* Configure Azure Firewall
* Configure Azure DNS
* Configure Azure Virtual Network peering
* Configure Azure VPN Gateway
* Configure Azure ExpressRoute and Azure Virtual WAN
* Configure network routing and endpoints
* Configure Azure Load Balancer
* Configure Azure Application Gateway
* Configure storage accounts
* Configure Azure Blob Storage
* Configure Azure Storage security
* Configure Azure Files and Azure File Sync
* Configure Azure Storage with tools
* Configure virtual machines
* Configure virtual machine availability
* Configure virtual machine extensions
* Configure Azure App Service plans
* Configure Azure App Service
* Configure Azure Container Instances
* Configure Azure Kubernetes Service
* Configure file and folder backups
* Configure virtual machine backups
* Configure Azure Monitor
* Configure Azure alerts
* Configure Log Analytics
* Configure Network Watcher
* Conclusion