

Azure Administrator Certification: Microsoft Azure Administrator (AZ-103)

Modality: Virtual Classroom

Duration: 4 Days

If you enroll in this course without the Master Subscription plan, you receive a Free Official Exam Voucher (excluding purchases using Training Vouchers / SATV) for the AZ-103 Exam. This course does not include Exam Voucher if enrolled within the Master Subscription, however, you can request to purchase the Official Exam Voucher separately.

About this course:

An Azure administrator certification is a shining mark on any resume and guarantees a well paid job, one that is also highly dignified. An Azure administrator is sought after by almost all industries whether big or small. A mid level Azure administrator gets paid around **\$107,364** per annum and a senior level Azure administrator is paid an average of **\$115,212** per year which is a solid annual income in view of the current economic background. However, it goes without saying that the person must excel as an Azure administrator and not just have an average knowledge and skill set. This course trains you and helps you achieve that much sought after skill set hence setting you apart from other candidates.

This course deals with training IT experts in managing Azure subscriptions, designing and implementing storage solutions, learning how to back up and share data , configuring virtual networking, controlling and handling network traffic, managing and securing identities, building and scaling virtual machines, connecting Azure on premise sites and implementing Azure identities. Overall this course is a master class in excelling at the basics of Azure and monitoring your designed solutions effectively and efficiently.

Audience:

This particular course is aimed at the following audience;

- IT professionals who serve as Azure administrators. The primary job description of an Azure administrator is managing cloud services which include managing and computing cloud capabilities, storage and networking. The expert should also have a thorough and clear understanding of each function during the entirety of the IT lifecycle. The administrator is expected to take end user requests for new cloud applications and provide recommendations for services which will yield better , more optimum, and scalable results. They are also expected to connect and effectively communicate with vendors using the Azure portal. With increasing skills, they might also be expected to use the Power shell and the Command line Interface.

Prerequisites:

The following prerequisites are absolutely necessary to be eligible to take this Microsoft Word 2019 course;

- A clear concept of on-premises virtualization technologies namely VMs, virtual networking, and virtual hard disks.
- A thorough understanding of network configuration which includes TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Knowledge of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP).
- A strong idea of resilience and disaster recovery, including backup and restore operations.

Course Outline:

Module 1: Azure Administration

In this module, you'll learn about tooling Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, Resource Manager, and Resource Manager Templates. The demonstrations in this module will ensure you are successful in the course labs.

Lessons

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

Module 2: Azure Virtual Machines

In this module, you'll learn about Azure virtual machines including planning, creating, availability and extensions.

Lessons

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

Lab : Deploy and Manage Virtual Machines

Lab : Virtual Machines and Scale Sets

Module 3: Azure Storage

In this module, you'll learn about basic storage features including storage accounts, blob storage, Azure files, and storage security.

Lessons

- Storage Accounts
- Azure Blobs
- Azure Files
- Storage Security

Lab : Implement and Manage Storage

Module 4: Virtual Networking

In this module, you'll learn about basic virtual networking concepts like virtual networks, IP addressing, Azure DNS, and network security groups.

Lessons

- Virtual Networks
- IP Addressing and Endpoints
- Azure DNS
- Network Security Groups

Lab : Configure Azure DNS

Module 5: Intersite Connectivity

In this module, you'll learn about intersite connectivity features including VNet Peering, VNet-to-VNet connections, Site-to-Site Connections, and ExpressRoute.

Lessons

- VNet Peering
- VNet-to-VNet Connections
- ExpressRoute Connections

Lab : VNet Peering and Service Chaining

Module 6: Monitoring

In this module, you'll learn about monitoring your Azure infrastructure including Azure Monitor, alerting, log analytics, and Network Watcher.

Lessons

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

Lab : Network Watcher

Module 7: Data Protection

In this module, you'll learn about data replication strategies, backing up files and folders, and virtual machine backups.

Lessons

- Data Replication
- File and Folder Backups
- Virtual Machine Backups

Lab : Azure Site Recovery Between Regions

Module 8: Network Traffic Management

In this module, you'll learn about network traffic strategies including service endpoints, network routing, Azure Load Balancer, and Azure Traffic Manager.

Lessons

- Network Routing
- Azure Load Balancer
- Azure Traffic Manager

Lab : Load Balancer and Traffic Manager

Module 9: Azure Active Directory

In this module, you'll learn about Azure Active Directory (AD) including Azure AD Connect and Azure AD Join.

Lessons

- Azure Active Directory
- Azure AD Connect
- Azure AD Join

Lab : Implement Directory Synchronization

Module 10: Securing Identities

In this module, you'll learn how to secure identities including Multi-Factor Authentication, Azure AD Identity Protection, and Self-Service Password Reset.

Lessons

- Multi-Factor Authentication
- Azure AD Identity Protection
- Self-Service Password Reset

Lab : Azure AD Identity Protection

Lab : Self-Service Password Reset

Module 11: Governance and Compliance

In this module, you'll learn about managing your subscriptions and accounts including role-based access control, users and groups, and Azure policy.

Lessons

- Subscriptions and Accounts

- Role-Based Access Control (RBAC)
- Users and Groups
- Azure Policy

Lab : Role-Based Access Control

Lab : Governance and Compliance

Module 12: Data Services

In this module, you'll learn how to effectively share data using Import and Export service, Data Box, Content Delivery Network, and File Sync.

Lessons

- Content Delivery Network
- File Sync
- Import and Export Service
- Data Box

Lab : File Sync