



AZ-104

Microsoft Azure Administrator

In this course, IT professionals learn how to manage their Azure subscriptions, secure identities, manage infrastructure, configure virtual networks, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale VMs, implement web apps and containers, secure and share data, and monitor their solution. This course prepares you for the role of Azure administrator and certification as Microsoft Certified: Azure Administrator Associate.

Course Contents

- Prerequisites for Azure administrators
- Manage identities and governance in Azure
- Configure and manage virtual networks for Azure administrators
- Implement and manage storage in Azure
- Deploy and manage Azure compute resources
- Monitor and back up Azure resources

E-Book The original Microsoft courseware is made available to you online.

Target Group

This course is for Azure administrators. Azure administrators manage the cloud services, which include storage, networking and compute functions, with a deep understanding of each service across the entire IT lifecycle. They receive end-user requests for new cloud applications and make recommendations on services that can be used for optimal performance and scalability, as well as provisioning, sizing, monitoring and customization. This role requires communication and coordination with vendors. Azure administrators use the Azure portal, and as they become more proficient, they use PowerShell and the command line interface.

Prerequisites

Candidates for the exam should have a good working knowledge of using PowerShell and the command line interface. Candidates should have basic knowledge of Azure Portal, ARM templates, operating systems, virtualization, cloud infrastructure, storage structures and networking. Exam AZ-104 covers topics such as: Manage Azure subscriptions and resources, implement and manage storage, implement and manage virtual machines, configure and manage virtual networks, and manage identities.

Course Target

Manage Azure identities and governance, implement and manage storage space, deploy and manage Azure computing resources, configure and manage virtual networks, monitor and secure Azure resources. You will learn exam-relevant topics for the Microsoft Certified: Azure Administrator Associate exam.

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:
www.expertech-training.com/go/MZ14

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

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Classes in Germany		4 Days	€ 2,250
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21/04-24/04/26	Frankfurt	04/08-07/08/26	Online
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19/05-22/05/26	Online	03/11-06/11/26	München
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04/08-07/08/26	Frankfurt	01/12-04/12/26	Online

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Table of Contents

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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 MachinesLab :

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

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

Service Endpoints and 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 ProtectionLab : 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 ControlLab : 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

