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AZ-104

Microsoft Azure Administrator

This course teaches IT Professionals how to 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, and monitor your solution.

Course Contents

- Identity
- Governance and Compliance
- Azure Administration
- Virtual Networking
- Intersite Connectivity
- Network Traffic Management
- Azure Storage
- Azure Virtual Machines
- Serverless Computing
- Data Protection
- Monitoring

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

Target Group

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

Prerequisites

Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

This Course in the Web

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

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in an 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.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.
Classes in Germany	**4 Days**	**€ 2,195**
Online Training	**4 Days**	**€ 2,195**

Date/course venue — Course language German

22/04-25/04/24	Online	23/09-26/09/24	Frankfurt
21/05-24/05/24	Online	23/09-26/09/24	Online
10/06-13/06/24	Frankfurt	21/10-24/10/24	Online
10/06-13/06/24	Online	18/11-21/11/24	Online
01/07-04/07/24	Online	16/12-19/12/24	Frankfurt
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Module 1: Azure Administration
In this module, you'll learn about to 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

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