Microsoft Certified Azure Administrator Associate («A104BC»)

In this boot camp, you will systematically build your Azure expertise from the ground up. You will pass the AZ-104 exam during the camp and become a Microsoft Certified Azure Administrator Associate.

Duration: 4 days
Price: 6'850.–
Course documents: Official Microsoft Courseware and Added Value Content
Vendor code: AZ-104

Content

There is hardly a faster way to get fit in Azure than with this boot camp From the ground up, all important topics are dealt with which are indispensable for the use of Azure in the corporate environment. In the first part, a solid knowledge base is created. In the second part, advanced topics and techniques are built on this. At the end of the boot camp, you will be able to pass the exam «AZ-104: Microsoft Azure Administrator».

The boot camp consists of the following modules:

Module 1: Identity

In this module, you will learn how to secure identities with Azure Active Directory, and implement users and groups.

Lessons

- Azure Active Directory
- Users and Groups

Lab : Manage Azure Active Directory Identities

Module 2: Governance and Compliance

In this module, you will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.

Lessons

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control (RBAC)

Lab : Manage Subscriptions and RBAC

Lab : Manage Governance via Azure Policy

Module 3: Azure Administration

In this module, you will learn about the tools an Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates.

Lessons

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

Lab : Manage Azure resources by Using the Azure Portal

Lab : Manage Azure resources by Using ARM Templates

Lab : Manage Azure resources by Using Azure PowerShell

Lab : Manage Azure resources by Using Azure CLI

Module 4: Virtual Networking

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

Lessons

- Virtual Networks
- IP Addressing
- Network Security groups
- Azure Firewall
- Azure DNS

Lab : Implement Virtual Networking

Module 5: Intersite Connectivity

In this module, you will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.

Lessons

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

Lab : Implement Intersite Connectivity

Module 6: Network Traffic Management

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

Lessons

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway
- Traffic Manager

Lab : Implement Traffic Management

Module 7: Azure Storage

In this module, you will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.

Lessons

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Lab : Manage Azure storage

Module 8: Azure Virtual Machines

In this module, you will 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 : Manage virtual machines

Module 9: Serverless Computing

In this module, you will learn to administer serverless computing features like Azure App Service, Azure Container Instances, and Kubernetes.

Lessons

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

Lab : Implement Web Apps

Lab : Implement Azure Container Instances

Lab : Implement Azure Kubernetes Service

Module 10: Data Protection

In this module, you will learn about backing up files and folders as well as virtual machine backups.

Lessons

- File and Folder Backups
- Virtual Machine Backups

Module 11: Monitoring

In this module, you will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

Lessons

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

Lab : Implement Monitoring

Key Learnings

- Administration of Azure subscriptions
- Implementation of Azure storage solutions
- Creating and managing virtual machines
- Configuration and management of Azure Virtual Networks
- Administration of identities
- Migration of local entities to Azure
- Developing, deploying, and managing web applications
- Understanding the security challenges

Methodology & didactics

The boot camp takes place at an all-inclusive hotel. This way you can immerse yourself completely in the material during the boot camp without any distractions.

The boot camp starts at 11 a.m. in the seminar room (installation) followed by lunch together.

The timetable starts at 8 a.m. and lasts until 9 p.m., after which there is time for self-study.

Detailed timetable

Target audience

This Bootcamp is aimed at IT professionals who want to deepen their knowledge in cloud technologies. You want to use Microsoft Azure effectively and obtain the associated Azure certification.

Requirements

Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking.

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

The following course or equivalent knowledge is required:

- Microsoft Azure Fundamentals (Hands-on) – Intensive Training («A900IC»)
- Microsoft Azure Fundamentals – Flexible Training («AZ900V»)

Certification

The exam AZ-104 will be taken on-site during the boot camp.

Important: If Microsoft updates the exam related to a certification, we will always train you on the latest courseware version available and you will take the exam related to this courseware. After the new exam and courseware version are released, the old exam version is still available for another 90 days to be taken by learners that have been studying on the old courseware version. This path will lead to the same certification as the new exam version. You will receive details instructions from the instructor during the training.

Additional information

Price information: Included in the price are the hotel costs, including lunch and dinner, refreshments during breaks and the Microsoft exams.

Further courses

- Microsoft Certified Azure Solutions Architect Expert («A300BC»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-microsoft-technology/microsoft-azure/microsoft-certified-azure-administrator-associate/boot-camp-microsoft-certified-azure-administrator-associate-az-104