Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Microsoft Azure Fundamentals

CODE:	LENGTH:	PRICE:
MCS_AZ-900T00	8 Hours (1 day)	€850.00

Description

This course will provide foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

Audience

This course is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This course primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This course combines lecture, demonstrations, and hands-on labs. This course will also help prepare someone for the AZ-900 exam.

Prerequisites

- Basic familiarity with IT terms and concepts

Programme

Describe cloud computing

- Introduction to Microsoft Azure Fundamentals
- Introduction to cloud computing
- What is cloud computing
- Describe the shared responsibility model
- Define cloud models
- Describe the consumption-based model
- Module assessment
- Summary

Describe the benefits of using cloud services

- Introduction
- Describe the benefits of high availability and scalability in the cloud
- Describe the benefits of reliability and predictability in the cloud
- Describe the benefits of security and governance in the cloud
- Describe the benefits of manageability in the cloud
- Describe sustainability considerations in the cloud
- Module assessment
- Summary

Describe cloud service types

- Introduction
- Describe Infrastructure as a Service
- Describe Platform as a Service
- Describe Software as a Service
- Module assessment
- Summary

Describe the core architectural components of Azure

- Introduction
- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure
- Module assessment
- Summary

Describe Azure compute services

- Introduction
- Describe Azure virtual machines
- Describe Azure virtual desktop
- Describe Azure containers
- Describe Azure functions
- Describe AI, machine learning, and IoT/Edge services in Azure
- Describe application hosting options
- Module assessment
- Summary

Describe Azure networking services

- Introduction
- Describe Azure virtual networking
- Describe Azure virtual private networks
- Describe Azure ExpressRoute
- Describe Azure DNS
- Module assessment
- Summary

Describe Azure storage services

- Introduction
- Describe Azure storage accounts
- Describe Azure storage redundancy
- Describe Azure storage services
- Identify Azure data migration options
- Identify Azure file movement options
- Module assessment
- Summary

Describe Azure identity, access, and security

- Introduction
- Describe Azure directory services
- Describe Azure authentication methods
- Describe Azure external identities
- Describe Azure conditional access
- Describe Azure role-based access control
- Describe Zero Trust model
- Describe defense-in-depth
- Describe encryption and key management in Azure
- Describe Microsoft Defender for Cloud
- Module assessment
- Summary

Describe cost management in Azure

- Introduction
- Describe factors that can affect costs in Azure
- Explore the pricing calculator
- Describe the Microsoft Cost Management tool
- Describe the purpose of tags
- Describe cost optimization options in Azure
- Module assessment
- Summary

Describe features and tools in Azure for governance and compliance

- Introduction
- Describe the purpose of Microsoft Purview
- Describe the purpose of Azure Policy
- Describe the purpose of resource locks
- Describe the purpose of the Service Trust portal
- Module assessment
- Summary

Describe features and tools for managing and deploying Azure resources

- Introduction
- Describe tools for interacting with Azure
- Describe the purpose of Azure Arc
- Describe Azure Resource Manager and Azure ARM templates
- Module assessment
- Summary

Describe monitoring tools in Azure

- Introduction
- Describe the purpose of Azure Advisor
- Describe Azure Service Health
- Describe Azure Monitor
- Module assessment
- Summary

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
11 Jan 2027	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		€850.00
01 Mar 2027	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		€850.00
24 May 2027	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€850.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.