

Microsoft Azure Fundamentals (AZ-900T01)

Duration: 1 day

Audience: Professionnel TI

Who is this training for?

Anyone interested in learning about cloud concepts and Microsoft Azure services. IT professionals who are new to Azure or want to gain a basic understanding of cloud services. Beginners, technicians, managers, or anyone involved in digital or technological projects. People who want to start a journey to a career in the cloud or Azure.

Training objectives

- Understand the general concepts of cloud computing
- Understand the core services available with Microsoft Azure
- Understand security, privacy, compliance, and trust with Microsoft Azure
- Understand the pricing and support models available with Microsoft Azure

Summary

This course will provide a basic knowledge of cloud services and how these services are delivered with Microsoft Azure. The course can be considered an optional first step in learning about cloud services and Microsoft Azure, before taking additional courses on Microsoft Azure or Microsoft cloud services. The course will cover the general concepts of cloud computing as well as general cloud computing models and services such as public, private, and hybrid cloud and infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS). It will also cover some core Azure services and solutions, as well as key services related to security, privacy, compliance, and trust. It will also cover the pricing and support services available with Azure.

Course outline

Learning Path 1: Microsoft Azure Fundamentals:

Describe Cloud Computing Concepts

- Module 1: Describe Cloud Computing

- Module 2: Describe the Benefits of Using Cloud Services
- Module 3: Describe the Types of Cloud Service

Learning Path 2: Microsoft Azure Fundamentals:

Describe Azure Architecture and Services

- Module 1: Describe the Core Architectural Components of Azure
- Module 2: Describe Azure Compute and Networking Services
- Module 3: Describe Azure Storage Services
- Module 4: Describe Identity, Access, and Security in Azure

Learning Path 3: Microsoft Azure Fundamentals:

Describe Azure Management and Governance

- Module 1: Describe Cost Management in Azure
- Module 2: Describe Azure Features and Tools for Governance and Compliance
- Module 3: Describe the features and tools to manage and deploy Azure resources
- Module 4: Describe the monitoring tools in Azure

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually discover the fundamentals of Microsoft Azure through concrete exercises inspired by professional scenarios, promoting an immediate application of the learnings. They learn to understand key cloud concepts, explore key Azure services, and identify solutions that fit business needs. Led by a Microsoft certified trainer, the training focuses on interactivity and the development of directly transferable skills to effectively learn about the cloud in a professional context.

Recommendations

- Have an interest in cloud technologies and digital services to maximize learning.
- Familiarize yourself with the basic notions of computer science (networks, applications, storage) to facilitate understanding.

- Consider this training as a first step before more advanced Azure training (e.g. administration or development).
- Continue learning by doing or complementary resources to consolidate what has been learned (labs, exercises, Microsoft Learn paths).
- General knowledge of computer science or IT concepts may be an asset, but not required.