

MS-AZ900T00: INTRODUCTION TO CLOUD INFRASTRUCTURE

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	CERTIFICATION
1 Day	Beginner	Azure	Instructor-led	AZ-900 Exam

INTRODUCTION

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

AUDIENCE PROFILE

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

Before attending this course, students must have:

- Basic familiarity with IT terms and concepts

COURSE OBJECTIVES

After completing this course, students will be able to:

- Describe cloud concepts, including benefits, considerations, and models (public, private, hybrid).
- Explain core Azure services such as compute, networking storage, and databases.
- Understand Azure solutions and management tools, including monitoring and governance.
- Outline general security and network security features in Azure.
- Describe Azure pricing, Service Level Agreements (SLAs), and lifecycle.

COURSE CONTENT

Module 1: Introduction to Cloud Infrastructure: Describe cloud concepts

New to the cloud? Introduction to Cloud Infrastructure is a three-part series that teaches you basic cloud concepts, provides a streamlined overview of many Azure services, and guides you with hands-on exercises to deploy your first services for free.

Module 1.1: Describe cloud computing

This module introduces you to cloud computing. It covers things such as cloud concepts, deployment models, and understanding shared responsibility in the cloud.

Module 1.2: Describe the benefits of using cloud services

This module introduces you to the benefits cloud computing can offer you or your organization.

Module 1.3: Describe cloud service types

This module covers the different cloud service types and shares some of the use cases and benefits aligned with each service type.

Module 2: Introduction to cloud infrastructure: Describe Azure architecture and services

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Module 2.1: Describe the core architectural components of Azure

This module explains the basic infrastructure components of Microsoft Azure. You'll learn about the physical infrastructure, how resources are managed, and have a chance to create an Azure resource.

Module 2.2: Describe Azure compute and networking services

This module focuses on some of the computer services and networking services available within Azure.

Module 2.3: Describe Azure storage services

This module introduces you to storage in Azure, including things such as different types of storage and how a distributed infrastructure can make your data more resilient.

Module 2.4: Describe Azure identity, access and security

This module covers some of the authorization and authentication methods available with Azure.

Module 3: Introduction to Cloud Infrastructure: Describe Azure management and governance

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Module 3.1: Describe Cost Management in Azure

This module explores methods to estimate, track, and manage costs in Azure.

Module 3.2: Describe features and tools in Azure for governance and compliance

This module introduces you to tools that can help with governance and compliance within Azure.

Module 3.3: Describe features and tools for managing and deploying Azure resources

This module covers tools that help you manage your Azure and on-premises resources.

Module 3.4: Describe monitoring tools in Azure

This module covers tools that you can use to monitor your Azure environment.

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to write the AZ-900 Azure Fundamentals Exam