



# Configure secure access to your workloads using networking with Azure Virtual Network (AZ-1002)

## Description

Discover the secrets of securing your workloads on Azure with our comprehensive course : **Configure secure access to your workloads using networking with Azure Virtual Network (AZ-1002)** , specifically designed for those aiming for the APL-1002 certification. With a particular focus on **configuring virtual networks**, **managing traffic**, and **network security**, we guide you step by step through learning best practices and advanced techniques.

From creating a **virtual network** to **implementing network security groups**, each module is designed to enhance your skills and confidence in securing access to your workloads. Join us to transform your knowledge into recognized and sought-after expertise in the field of cloud computing.

### Classroom Registration Price (CHF)

900

### Virtual Classroom Registration Price (CHF)

850

### Course Content

#### Module 1: Configuring Virtual Networks

- Describe the features and components of Azure Virtual Network.
- Identify the features and use cases of subnets and subnetting.
- Identify the use cases for private and public IP addresses.
- Create a virtual network and assign an IP address.

#### Module 2: Configuring Azure Virtual Network Peering

- Identify the use cases and features of Azure Virtual Network peering.
- Configure your network to implement Azure VPN Gateway for transit connectivity.
- Extend peering using a hub-and-spoke network with user-defined routes and service chaining.

#### Module 3: Manage and Control Traffic Flow in Your Azure Deployment with Routes

- Identify the routing capabilities of an Azure Virtual Network
- Configure routing within a Virtual Network

- Deploy a basic Network Virtual Appliance
- Configure routing to send traffic through a Network Virtual Appliance

#### **Module 4: Host Your Domain on Azure DNS**

- Configure Azure DNS to host your domain.

#### **Module 5: Configuring Network Security Groups**

- Determine when to use Network Security Groups.
- Create Network Security Groups.
- Implement and evaluate Network Security Group rules.
- Describe the function of Application Security Groups.

#### **Documentation**

- Digital course material included

#### **Participant profiles**

- Professionals aiming to certify a particular skill.
- Current and future Azure administrators operating in local networks and the Azure cloud.

#### **Prerequisites**

- Using the Azure interface for resource creation
- Basics of enterprise networking and cloud networking concepts
- Basic understanding of network security concepts, such as firewalls, routing, and access control lists

#### **Objectives**

- Configure virtual networks
- Set up Azure Virtual Network peering
- Manage and control traffic flow
- Host your domain on Azure DNS
- Configure network security groups

#### **Description**

Configure secure access to your workloads using networking with Azure Virtual Network (AZ-1002)

#### **Niveau**

Intermédiaire

#### **Duration (in Days)**

1

#### **Reference**

AZ-1002