# Configure secure access to your workloads using Azure virtual networking (AZ-1002)

**ID** AZ-1002 **Price** CHF 870.—(excl. VAT) **Duration** 1 days

## Prerequisites

- None

## Course Content

### Configure virtual networks

- Introduction
- Plan virtual networks
- Create subnets
- Create virtual networks
- Plan IP addressing
- Create public IP addressing
- Associate public IP addresses
- Allocate or assign private IP addresses
- Exercise: Create and configure virtual networks
- Module assessment
- Summary and resources

### Configure Azure Virtual Network peering

- Introduction
- Determine Azure Virtual Network peering uses
- Determine gateway transit and connectivity
- Create virtual network peering
- Extend peering with user-defined routes and service chaining
- Exercise - Implement Intersite Connectivity
- Module assessment
- Summary and resources

### Manage and control traffic flow in your Azure deployment with routes

- Introduction
- Identify routing capabilities of an Azure virtual network
- Exercise - Create custom routes
- What is an NVA?
- Exercise - Create an NVA and virtual machines
- Exercise - Route traffic through the NVA
- Summary

### Host your domain on Azure DNS

- Introduction
- What is Azure DNS?
- Configure Azure DNS to host your domain
- Exercise - Create a DNS zone and an A record by using Azure DNS
- Dynamically resolve resource name by using alias record
- Exercise - Create alias records for Azure DNS
- Summary

### Configure network security groups

- Introduction
- Implement network security groups
- Determine network security group rules
- Determine network security group effective rules
- Create network security group rules
- Implement application security groups
- Exercise - Implement virtual networking
- Module assessment
- Summary and resources

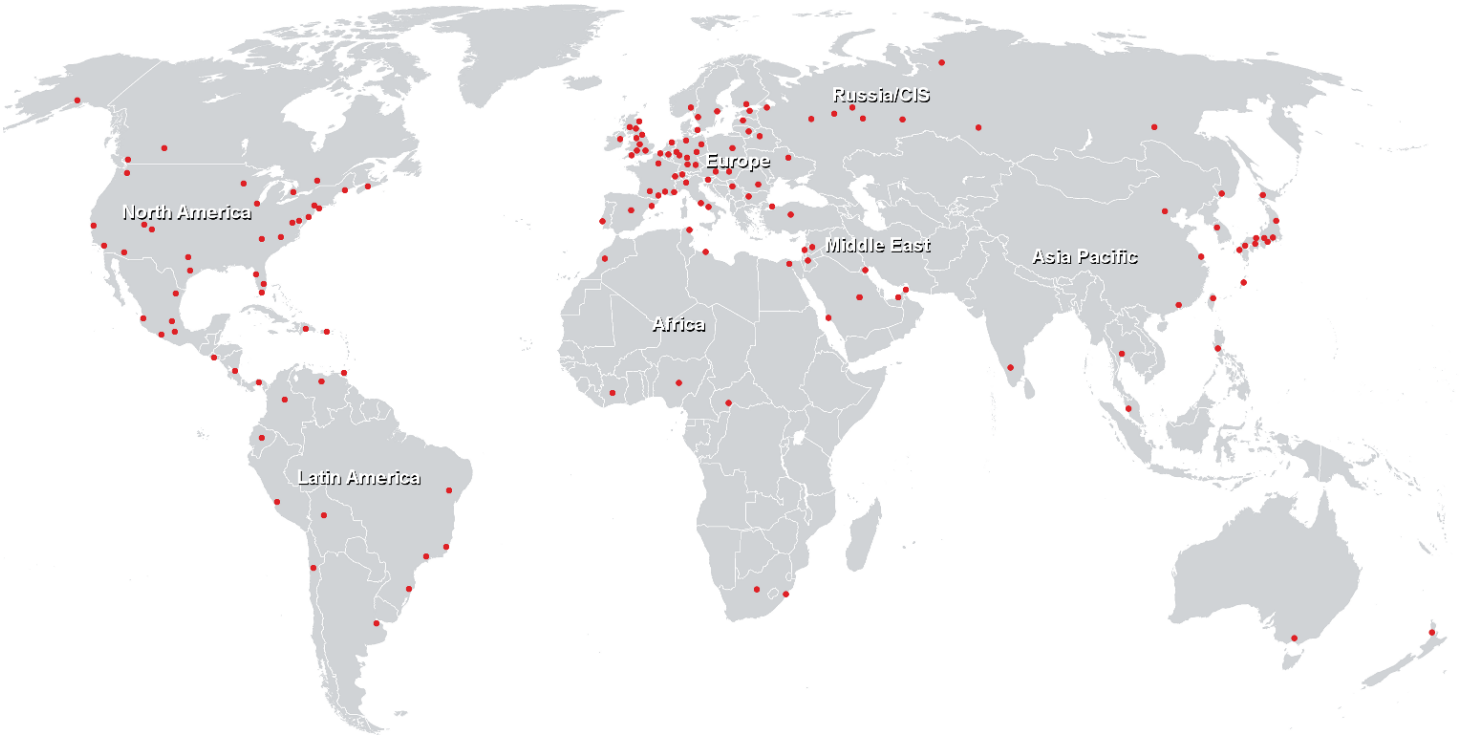
### Introduction to Azure Firewall

- Introduction
- What is Azure Firewall?
- How Azure Firewall works
- When to use Azure Firewall
- When to use Azure Firewall Premium
- Module assessment
- Summary

### Guided Project - Configure secure access to workloads with Azure virtual networking services

- Introduction
- Exercise 01 - Create and configure virtual networks
- Exercise 02 - Create and configure network security groups
- Exercise 03 - Create and configure Azure Firewall
- Exercise 04 - Configure network routing
- Exercise 05 - DNS zones
- Module assessment
- Summary and resources

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