



COURSE OUTLINE

Course Name: Configure Secure Access To Your Workloads Using Networking With Azure Virtual Network

Course Code: MS-AZ1002

DELIVERY	SKILL LEVEL	DELIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
1 Day	Intermediate	In Class/VILT	N/A	Microsoft

Course Overview

In this learning path, you practice configuring secure access to workloads using Azure networking.

Course content

Module 1: Configure virtual networks

Learn to configure networks and subnets, including IP addressing.

Lesson 1: Describe Azure virtual network features and components

Lesson 2: Identify features and usage cases for subnets and subnetting

Lesson 3: Identify usage cases for private and public IP addresses

Lesson 4: Create a virtual network and assign IP address

Module 2: Configure Azure Virtual Network peering

Learn to configure an Azure Virtual Network peering connection and address transit and connectivity concerns.

Lesson 1: Identify usage cases and product features of Azure Virtual Networking peering

Lesson 2: Configure your network to implement Azure VPN Gateway for transit connectivity

Lesson 3: Extend peering by using a hub and spoke network with user-defined routes and service chaining

Module 3: Deploy an Azure Kubernetes Service cluster

Learn how to control Azure virtual traffic by implementing custom routes.

Lesson 1: Identify the routing capabilities of an Azure virtual network

Lesson 2: Configure routing within a virtual network

Lesson 3: Deploy a basic network virtual appliance

Lesson 4: Configure routing to send traffic through a network virtual appliance

Module 4: Host your domain on Azure DNS

Create a DNS zone for your domain name. create DNS records to map the URL to an IP address. Test that the domain name resolves to your web server

Lesson 1: Configure Azure DNS to host your domain

Module 5: Deploy applications to Azure Kubernetes Service

Learn how to implement network security groups, and ensure network security group rules are correctly applied.

Lesson 1: Determine when to use network security groups

Lesson 2: Create network security groups

Lesson 3: Implement and evaluate network security group rules

Lesson 4: Describe the function of application security groups

Module 6: Introduction to Azure Firewall

Describe how Azure Firewall protects Azure Virtual Network resources, including the Azure Firewall features, rules, deployment options, and administration with Azure Firewall Manager.

Lesson 1: Create and configure virtual networks

Lesson 2: Create and configure network security groups (NSGs)

Lesson 3: Create and configure Azure Firewall

Lesson 4: Configure network routing

Lesson 5: Create DNS zones and configure DNS settings

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