

AZ-1002 Course Outline

Course Overview

This course teaches administrators how to configure secure access to workloads by using Azure virtual networking services, including virtual networks, peering, routing, DNS, NSGs, and Azure Firewall.

Learning Objectives

- Configure virtual networks and subnets
- Implement Virtual Network peering
- Manage traffic with custom routes
- Host domains with Azure DNS
- Configure NSGs
- Implement Azure Firewall
- Secure workload connectivity

Course Outline

Module 1: Configure Virtual Networks

- Plan virtual networks
- Create subnets
- IP addressing
- Public and private IPs

Module 2: Configure Azure Virtual Network Peering

- Peering concepts
- Transit connectivity
- Service chaining

Module 3: Manage Traffic with Routes

- Routing capabilities
- System routes
- User-defined routes

Module 4: Host Domains on Azure DNS

- DNS zones
- DNS records
- Alias records

Module 5: Configure Network Security Groups

- NSG rules
- Traffic filtering
- Security design

Module 6: Introduction to Azure Firewall

- Firewall features
- Policies
- Firewall Manager

Module 7: Guided Project

- Configure VNETs
- NSGs
- Firewall
- DNS and routing