KOENIG SOLUTIONS · COURSE OUTLINE

AZ-1002: Configure Secure Access to Your Workloads Using Networking with Azure Virtual Network

Learn to configure secure Azure networking, from virtual networks and routing to DNS, NSGs and Azure Firewall.

8 Hours	5	21
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course covers creating and configuring virtual networks, including subnets and virtual network peering. It then addresses network routing through route tables and NAT gateways, followed by creating DNS zones and configuring DNS settings on a virtual network. Coverage continues with network security groups and application security groups, concluding with creating and configuring Azure Firewall and firewall policies.

WHO THIS COURSE IS FOR

- **Network Administrators**
- **Azure Administrators**
- **Cloud Engineers**
- **Security Engineers**
- **Infrastructure Engineers**

LEARNING OBJECTIVES

- Create and configure virtual networks and subnets
- Configure virtual network peering between networks
- Create and configure route tables and link them to subnets
- Configure a NAT gateway for outbound traffic
- Create and configure private DNS zones and DNS records
- Configure DNS settings on a virtual network
- Create network security groups and associate them with resources
- Create NSG rules using network and application security groups

COURSE SYLLABUS

5 Modules, 21 Topics

01

Create and Configure Virtual Networks

TOPICS

Create a virtual network · Configure subnets · Configure virtual network peering

SUPPORTING MODULE(S)

Configure virtual networks · Configure Azure Virtual Network peering

02

Configure Network Routing

TOPICS

- Create and configure a route table
- Link a route table to a subnet
- Create and configure a NAT gateway

SUPPORTING MODULE(S)

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

03

Create DNS Zones and Configure DNS Settings

TOPICS

Create and configure a private DNS zone · Create and configure DNS records · Configure DNS settings on a virtual network

SUPPORTING MODULE(S)

Configure Azure DNS

04

Create and Configure Network Security Groups (NSGs)

TOPICS

- Create an NSG
- Associate an NSG to a subnet or a network interface
- Create NSG rules
- Create and use Application Security Groups (ASGs) in NSG rules

SUPPORTING MODULE(S)

- Configure network security groups

05

Create and Configure Azure Firewall

TOPICS

Create an Azure Firewall · Create and configure a firewall policy

SUPPORTING MODULE(S)

Introduction to Azure Firewall

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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