

WorkshopPLUS - Azure Networking

WorkshopPLUS

Duration: 3 Days | 1 Day [Remote | Onsite]

Difficulty Level: 300 - Advanced

Description

Dive into the world of Azure Networking with our comprehensive workshop, designed to equip you with a thorough understanding of Azure's network infrastructure. Starting with an introduction to Azure Networking, this workshop will guide you through the intricacies of Azure Network Topology, ensuring you grasp the framework and design principles that support scalable and reliable applications. We will explore Azure Network Application Delivery. Security is paramount, and our sessions on Azure Network Security will cover the essential practices, tools, and strategies to safeguard your network against threats. Additionally, we will delve into Azure Best Practices, discussing how to enhance resiliency, fortify security, and architect solutions that are both robust and efficient. Whether you're new to Azure or looking to refine your networking skills, this workshop offers valuable insights and hands-on experience to elevate your cloud networking capabilities.

Objectives

- Understand Azure Networking basics
- Explore Azure Network Topology
- Learn Azure Application Delivery
- Learn Azure Network Security
- Implement Azure Best Practices
- Design for Resiliency and Security

Outcomes

- Enhanced Azure networking understanding
- Expertise in Azure network topology
- Proficiency in application delivery
- Strengthened Azure network security
- Understanding of Azure best practices
- Skills in resiliency and architecture

Methodology

Learn by example

Learn through presentations, demonstrations, labs, and group discussions.

Hands-on

Prepare and use an environment for a hands-on experience and retain access for up to six months after the delivery.

Scope

This scope outlines the key areas of Azure Networking that will be covered, focusing on its introduction, network topology, application delivery, and network security, including best practices, resiliency, security, and architecture.

Discuss with your Customer Success Account Manager (CSAM) the workshop that fits your team skilling needs.

The following titles are available for this engagement:

1 Day: Introductory

WorkshopPLUS - Azure Networking: Introduction with Lab

- Introduction to Azure Networking
- Exploring Azure Network Topology
- Understanding Network Connectivity

Note: For closed workshops, it is possible to customize the agenda in the scoping call.

3 Days: Advanced

WorkshopPLUS - Azure Networking with Labs

- Introduction to Azure Networking
- Exploring Azure Network Topology
- Understanding Network Connectivity
- Azure Network Application Delivery
- Implementing Azure Best Practices
- Focusing on Resiliency
- Enhancing Azure Network Security
- Designing Network Architecture
- Workshop Wrap-up and Q&A

This WorkshopPLUS Lab experience is designed to be delivered in consecutive days. Splitting days across several weeks is not recommended and will impair the delivery experience.

Delivery outline

Requirements

Participants

Having the right participants in this workshop is essential for a successful engagement. We recommend the following roles be available and able to participate in the workshop(s):

- Network Architect
- Security Engineer
- Cloud Solutions Architect
- IT Operations Manager
- Application Developer

Skill Requirements

- Basic Azure knowledge
- Understanding of networking concepts
- Familiarity with cloud computing
- Interest in network security
- Awareness of IT infrastructure
- Openness to learning new technologies

Time Commitment

One, or three full-day commitments for relevant roles. Attending the entire session is highly recommended.

Delivery Requirements

- A Microsoft Account.
- Internet access with at least 1-Mbps bandwidth per participant.

Education	
Day 1	
Introduction into Azure Networking	<ul style="list-style-type: none">• Overview of Azure Networking• Understanding the basics of cloud networking• Key components and services in Azure Networking
Azure Network Topology	<ul style="list-style-type: none">• Designing network topology in Azure• Connectivity options for hybrid environments• Best practices for network architecture
Lab	<ul style="list-style-type: none">• Hub & Spoke topology• vWAN topology• Isolated virtual networks
Day 2	
Azure Network Application Delivery	<ul style="list-style-type: none">• Overview of application delivery services in Azure• Configuring load balancers and application gateways• Strategies for optimizing application delivery
Lab	<ul style="list-style-type: none">• Application Gateway• Paas Networking• Traffic Manager• Front Door
Day 3	
Azure Network Security	<ul style="list-style-type: none">• Security features within Azure Networking• Implementing network security groups and firewalls• Azure network security best practices
Lab	<ul style="list-style-type: none">• NSG & ASG• Restrict network access• WAF• Azure Firewall• Monitoring