



MICROSOFT TRAINING

Enterprise Class Networking Azure Microsoft Cloud Workshop

Master enterprise networking in Azure. Design and implement robust cloud solutions for your organization through hands-on workshops.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This Enterprise Class Networking Azure Microsoft Cloud Workshop provides a deep dive into designing, implementing, and managing sophisticated networking solutions within the Microsoft Azure cloud environment. Tailored for IT professionals working with large-scale infrastructures, this intensive two-hour workshop focuses on leveraging Azure's robust networking capabilities to build secure, scalable, and high-performing network architectures that meet enterprise-grade requirements. Participants will gain practical experience with core technologies such as Azure Virtual Networks (VNet), Virtual Network peering, VPN Gateways, ExpressRoute for hybrid connectivity, Azure Firewall, Network Security Groups (NSGs), and advanced DNS configurations.

By completing this workshop, you will be equipped to tackle complex enterprise networking challenges, optimize network performance, ensure stringent security and compliance, and effectively support your organization's digital transformation initiatives. The hands-on format emphasizes practical application, empowering you to confidently design and deploy resilient cloud network solutions, troubleshoot connectivity issues, and implement effective traffic management strategies. This specialized training is crucial for anyone looking to master the art of enterprise networking in the Azure cloud.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Azure Networking Fundamentals for Enterprises

- Azure Virtual Networks (VNETs) and Subnets
- IP Addressing and CIDR in Azure
- Network Interface Cards (NICs) and Public IPs
- Understanding Network Security Groups (NSGs) for traffic filtering

02 Module 2: Advanced VNet Design and Peering

- VNet Peering: Global and Regional
- Hub-and-Spoke Network Topologies
- Designing for network segmentation and isolation
- Private Endpoints and Service Endpoints for secure access

03 Module 3: Hybrid Connectivity with Azure

- Site-to-Site VPN Gateway implementation
- Point-to-Site VPN for remote access
- Introduction to Azure ExpressRoute for dedicated connectivity
- Configuring Hybrid DNS resolution

04 Module 4: Enterprise-Grade Network Security

- Deploying and managing Azure Firewall
- DDoS Protection Standard for VNet
- Implementing Web Application Firewall (WAF) on Application Gateway
- Best practices for network security in Azure

05 Module 5: Traffic Management and High Availability

- Azure Load Balancer: Standard SKU and features
- Application Gateway for advanced traffic routing
- Azure Front Door for global routing and optimization
- Traffic Manager for DNS-based traffic distribution

06 Module 6: Monitoring, Troubleshooting, and Optimization

- Azure Network Watcher capabilities
- Connection Troubleshoot and IP flow verify
- Monitoring network performance with Azure Monitor
- Optimizing network costs and resource utilization

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Network Engineer**
- > **Cloud Solutions Architect (with a Networking Specialization)**
- > **Senior Hybrid Cloud Infrastructure Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What specific enterprise networking challenges does this workshop prepare me to solve using Azure?

This workshop specifically prepares you to design and implement robust solutions for challenges such as secure hybrid connectivity between on-premises data centers and Azure, building highly available and scalable application delivery networks, enforcing stringent network security policies across a multi-VNet environment, and optimizing network performance for mission-critical enterprise applications in the cloud.

Q: Is prior experience with general networking concepts or Azure fundamentals required before taking this workshop?

Yes, an intermediate understanding of fundamental networking concepts (like TCP/IP, routing, firewalls, and VPNs) is highly recommended. While the workshop will touch upon core Azure networking services, prior exposure to Azure Virtual Networks and basic Azure resource deployment would be beneficial to maximize your learning from this enterprise-focused session.

Q: How does this workshop differ from other general Azure networking courses in terms of hands-on experience and enterprise focus?

This "Enterprise Class Networking Azure Microsoft Cloud Workshop" is distinguished by its direct focus on scenarios and best practices relevant to large organizations. Unlike general courses, it emphasizes advanced topics like hub-and-spoke architectures, ExpressRoute implementations, Azure Firewall Premium features, and complex traffic management patterns crucial for enterprise adoption, all delivered through practical, hands-on lab exercises simulating real-world enterprise environments.

ABOUT COMPUTER PRIDE

**East Africa's Premier IT Training Center**

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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