MICROSOFT TRAINING

Microsoft Azure Networking Solutions And Sentinel Course

Design and secure Azure network infrastructure and implement advanced threat detection using Microsoft Sentinel.

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 intensive Microsoft Azure Networking Solutions and Sentinel course is meticulously designed for IT professionals seeking to master the crucial intersection of cloud networking and robust security operations within the Azure ecosystem. Participants will gain comprehensive expertise in architecting, implementing, and managing resilient and secure network infrastructures using Azure's advanced networking services, including Virtual Networks, Load Balancers, Azure Firewall, VPN Gateways, and ExpressRoute. The course delves into optimizing connectivity, ensuring high availability, and establishing secure hybrid cloud environments.

Beyond foundational networking, this program uniquely integrates Microsoft Azure Sentinel, a cloud-native Security Information and Event Management (SIEM) and Security Orchestration, Automation, and Response (SOAR) solution. You will learn to deploy, configure, and operate Sentinel to collect security data, detect threats, investigate incidents, and automate responses across your Azure and hybrid environments. By completing this course, you will not only enhance your technical proficiency in designing secure and efficient Azure networks but also develop critical skills in proactive threat intelligence and incident management, positioning you as a highly valuable asset in any organization's cloud security posture.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Core Azure Networking Concepts and Virtual Networks

- Introduction to Azure Networking Services
- Designing and Implementing Azure Virtual Networks (VNet)
- IP Addressing and Subnetting in Azure
- Configuring Network Security Groups (NSGs)
- User-Defined Routes (UDRs) and Forced Tunneling

02 Module 2: Advanced Azure Networking and Connectivity

- Implementing Azure Load Balancers and Application Gateway
- Deploying and Configuring Azure Firewall
- Managing Azure DNS and Private Link
- Virtual Network Peering across regions and subscriptions
- Understanding Service Endpoints and Private Endpoints

03 Module 3: Hybrid Connectivity and Network Monitoring

- Establishing Site-to-Site VPN Connections
- Configuring Point-to-Site VPN for remote users
- Introduction to Azure ExpressRoute for dedicated connectivity
- Monitoring Azure Network Performance with Network Watcher
- Troubleshooting Common Azure Networking Issues

04 Module 4: Introduction to Microsoft Azure Sentinel

- Understanding SIEM and SOAR in the Cloud
- Deploying and Configuring Azure Sentinel Workspace
- Connecting Data Sources to Sentinel (Azure Activity Logs, O365, etc.)

- Introduction to Kusto Query Language (KQL) for data analysis

05 Module 5: Threat Detection and Investigation with Sentinel

- Creating and Managing Analytics Rules for Threat Detection
- Using Built-in Sentinel Queries and Watchlists
- Leveraging MITRE ATT&CK Framework within Sentinel
- Incident Management and Investigation within Sentinel
- Working with Workbooks for Data Visualization

06 Module 6: Automating Responses and Advanced Sentinel Features

- Implementing Automation with Azure Logic Apps and Playbooks
- Integrating Threat Intelligence Feeds into Sentinel
- Customizing Connectors and Parsers
- Introduction to User and Entity Behavior Analytics (UEBA) in Sentinel
- Best Practices for Sentinel Deployment and Operations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

> **Azure Network Engineer**

> **Cloud Security Analyst (Azure Specialist)**

> **Security Operations Center (SOC) Engineer (with Azure Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or prerequisites are recommended before taking the Microsoft Azure Networking Solutions And Sentinel Course?

To get the most out of this intermediate-level course, participants should have a fundamental understanding of core networking concepts (e.g., TCP/IP, DNS, VPNs) and basic familiarity with Azure services, including navigating the Azure portal and understanding Azure resource groups. While not strictly required, prior exposure to cloud concepts or a basic Azure certification (like AZ-900) would be beneficial.

Q: How will mastering Azure Networking and Sentinel skills from this course enhance my career progression in cloud security or IT infrastructure roles?

This course uniquely positions you with a highly sought-after dual skill set in Azure networking architecture and cloud-native security operations. You will be able to design, implement, and secure complex cloud environments, directly addressing critical industry demands for professionals who can bridge the gap between secure network infrastructure and proactive threat intelligence. This expertise is crucial for roles like Cloud Security Engineer, Azure Network Architect, or a SOC Analyst specializing in cloud platforms, significantly boosting your employability and earning potential.

Q: Will this course prepare me for any specific Microsoft Azure certification exams, and what practical skills will I be able to apply immediately after completion?

While this course is not solely designed as exam preparation, the comprehensive topics covered align significantly with objectives found in Microsoft certifications such as AZ-700: Designing and Implementing Microsoft Azure Networking

Solutions and aspects of SC-200: Microsoft Security Operations Analyst. Upon completion, you will immediately be able to configure Azure Virtual Networks and their components, implement Azure Firewalls and Load Balancers, establish hybrid connectivity, deploy and configure Azure Sentinel, connect various data sources, create custom detection rules, and initiate incident investigations within a live Azure environment.

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+	10,000+	50+
Years of Excellence	Professionals Trained	Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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