DESIGN AND IMPLEMENT MICROSOFT AZURE NETWORKING SOLUTIONS (AZ-700)

Course Code: 821396

This course teaches Network Engineers how to design, implement, and maintain Azure networking solutions.

This course covers the process of designing, implementing, and managing core Azure networking infrastructure, Hybrid Networking connections, load balancing traffic, network routing, private access to Azure services, network security and monitoring. Learn how to design and implement a secure, reliable, network infrastructure in Azure and how to establish hybrid connectivity, routing, private access to Azure services, and monitoring in Azure.

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What You'll Learn

Students will learn,

- AZ-700 Designing and Implementing Microsoft Azure Networking Solutions

Who Needs to Attend

This course is for Network Engineers looking to specialize in Azure networking solutions. An Azure Network engineer designs and implements core Azure networking infrastructure, hybrid networking connections, load balance traffic, network routing, private access to Azure services, network security and monitoring.

The azure network engineer will manage networking solutions for optimal performance, resiliency, scale, and security. Successful Azure Network Engineers start this role with experience in enterprise networking, on-premises or cloud infrastructure and network security.

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of software defined networking.
- Understanding hybrid network connectivity methods, such as VPN.
- Understanding resilience and disaster recovery, including high availability and restore operations.

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CLASSROOM LIVE	$2,295 CAD	3 Day

Classroom Live Outline

Module 1: AZ-700 Designing and Implementing Microsoft Azure Networking Solutions

- Introduction to Azure Virtual Networks
- Design and implement hybrid networking
- Design and implement Azure ExpressRoute
- Load balance non-HTTP(S) traffic in Azure
- Load balance HTTP(S) traffic in Azure
- Design and implement network security
- Design and implement private access to Azure Services
- Design and implement network monitoring

Classroom Live Labs

- Lab : Exercise: Design and implement a Virtual Network in Azure
- Lab : Exercise: Configure DNS settings in Azure
- Lab : Exercise: Connect two Azure Virtual Networks using global virtual network peering
- Lab : Exercise: create a Virtual WAN by using Azure Portal
- Lab : Exercise: create and configure a virtual network gateway
- Lab : Exercise: configure an ExpressRoute gateway
- Lab : Exercise: provision an ExpressRoute circuit
- Lab : Exercise: create a Traffic Manager profile using the Azure portal
- Lab : Exercise: create and configure an Azure load balancer
- Lab : Exercise: deploy Azure application gateway

- Lab : Exercise: create a front door for a highly available web application
- Lab : Exercise: deploy and configure Azure Firewall using the Azure portal
- Lab : Exercise: secure your virtual hub using Azure Firewall Manager
- Lab : Exercise: configure DDoS Protection on a virtual network using the Azure portal
- Lab : Exercise: restrict network access to PaaS resources with virtual network service endpoints
- Lab : Exercise: create an Azure private endpoint using Azure PowerShell
- Lab : Exercise: Monitor a load balancer resource by using Azure Monitor

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VIRTUAL CLASSROOM LIVE	$2,295 CAD	3 Day

Virtual Classroom Live Outline

Module 1: AZ-700 Designing and Implementing Microsoft Azure Networking Solutions

- [Introduction to Azure Virtual Networks](#)
- [Design and implement hybrid networking](#)
- [Design and implement Azure ExpressRoute](#)
- [Load balance non-HTTP(S) traffic in Azure](#)
- [Load balance HTTP(S) traffic in Azure](#)
- [Design and implement network security](#)
- [Design and implement private access to Azure Services](#)
- [Design and implement network monitoring](#)

Virtual Classroom Live Labs

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Dec 15 - 17, 2025 | 9:00 AM - 5:00 PM EST

Jan 12 - 14, 2026 | 9:00 AM - 5:00 PM EST

Feb 2 - 4, 2026 | 12:00 - 8:00 PM EST

Feb 9 - 11, 2026 | 9:00 AM - 5:00 PM EST

Mar 2 - 4, 2026 | 9:00 AM - 5:00 PM EST

Apr 20 - 22, 2026 | 9:00 AM - 5:00 PM EDT

May 11 - 13, 2026 | 9:00 AM - 5:00 PM EDT

Jun 29 - Jul 1, 2026 | 9:00 AM - 5:00 PM EDT

Jul 6 - 8, 2026 | 12:00 - 8:00 PM EDT

Jul 20 - 22, 2026 | 9:00 AM - 5:00 PM EDT

Aug 10 - 12, 2026 | 9:00 AM - 5:00 PM EDT

Sep 9 - 11, 2026 | 9:00 AM - 5:00 PM EDT

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PRIVATE GROUP TRAINING	3 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.