

PROFESSIONAL COURSE OUTLINE

Microsoft

AZ-700

Azure Network Engineer Associate

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.

Cloud

Intermediate

Azure

PROGRAM CODE

AZ-700

DELIVERY

Virtual, On-site, or Hybrid

DURATION

3 days

CERTIFICATION

Microsoft Certified: Azure Network Engineer Associate

AUDIENCE PROFILE

Who This Program Is For

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.

PROGRAM SUMMARY

What This Course Covers

As a candidate for this certification, you should have subject matter expertise in planning, implementing, and managing Azure networking solutions, including: Core network infrastructure Hybrid connectivity Application delivery services Private access to Azure services Network security As an Azure network engineer your responsibilities include optimizing performance, resiliency, scale, and security of Azure networking solutions.



Plan the next session

We can tune this outline around your delivery goals and team mix.

TALK TO US

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TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

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MODULE 1

AZ-700 Design and Implement Microsoft Azure Network Solutions

AZ-700 Design and Implement Microsoft Azure Network 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