AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions

Category: Cloud Platforms | **Vendor:** Microsoft

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Certified: Azure Network Engineer Associate
Related Exam:	AZ-700

Course Overview

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.

About This Course

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.

Who Should 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.

Prerequisites & Entry Requirements

General Prerequisites:

Prerequisite courses (or equivalent knowledge and hands-on experience):

- AZ-104T00 - Microsoft Azure Administrator

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor networksDesign and implement private access to Azure Services, Course ObjectivesDesign, implement and manage hybrid network connectionsDesign and implement core Azure networking infrastructureDesign and implement routing and load balancing in AzureSecure and monitor

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Detailed Course Outline

1 - Introduction to Azure Virtual Networks

- Explore Azure Virtual Networks
- Configure public IP services
- Design name resolution for your virtual network
- Enable cross-virtual network connectivity with peering
- Implement virtual network traffic routing
- Configure internet access with Azure Virtual NAT

2 - Design and implement hybrid networking

- Design and implement Azure VPN Gateway
- Connect networks with Site-to-site VPN connections
- Connect devices to networks with Point-to-site VPN connections
- Connect remote resources by using Azure Virtual WANs
- Create a network virtual appliance (NVA) in a virtual hub

3 - Design and implement Azure ExpressRoute

- Explore Azure ExpressRoute
- Design an ExpressRoute deployment
- Configure peering for an ExpressRoute deployment
- Connect an ExpressRoute circuit to a virtual network
- Connect geographically dispersed networks with ExpressRoute global reach
- Improve data path performance between networks with ExpressRoute FastPath
- Troubleshoot ExpressRoute connection issues

4 - Load balance non-HTTP(S) traffic in Azure

- Explore load balancing
- Design and implement Azure load balancer using the Azure portal
- Explore Azure Traffic Manager

5 - Load balance HTTP(S) traffic in Azure

- Design Azure Application Gateway
- Configure Azure Application Gateway
- Design and configure Azure Front Door

6 - Design and implement network security

- Get network security recommendations with Microsoft Defender for Cloud
- Deploy Azure DDoS Protection by using the Azure portal
- Deploy Network Security Groups by using the Azure portal
- Design and implement Azure Firewall
- Secure your networks with Azure Firewall Manager
- Implement a Web Application Firewall on Azure Front Door

7 - Design and implement private access to Azure Services

- Explain virtual network service endpoints
- Define Private Link Service and private endpoint
- Integrate private endpoint with DNS
- Integrate your App Service with Azure virtual networks

8 - Design and implement network monitoring

- Monitor your networks using Azure monitor
- Monitor your networks using Azure network watcher

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- Implement a Web Application Firewall

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- Integrate private endpoint with Domain Name Service

8 - Design and implement network monitoring

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- Monitor your networks using Azure Network Watcher

, LAB Outline, Designing and Implementing Microsoft Azure Networking Solutions, Design and implement network security, Load balance HTTP(S) traffic in Azure, Design and implement private access to Azure Services, Design and implement network monitoring, Introduction to Azure Virtual Networks, Load balance non-HTTP(S) traffic in Azure, Design and implement Azure ExpressRoute, Design and implement hybrid networking, Design and Implement Microsoft Azure Network Solutions

□□ Certification Path

Microsoft Certified: Azure Network Engineer Associate

Exam: AZ-700

Upcoming Schedule

Available training dates for AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions:

Start Date	End Date	Location	Delivery	Price
23 Nov 2026	25 Nov 2026	Online	Virtual	€1,895.00

Additional Course Details

Nexus Humans AZ-700 Designing and Implementing Microsoft Azure Networking Solutions training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AZ-700 Designing and Implementing Microsoft Azure Networking Solutions course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions course helps prepare you for the Microsoft Certified: Azure Network Engineer Associate certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-700 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: az700 az 700, AZ-700T00: Design and Implement Microsoft Azure Network Solutions, Microsoft, vILT, AZ-700T00

Q: Why choose Nexus Human for AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-700T00: Designing and Implementing Microsoft Azure Networking Solutions training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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