Azure Support Engineer Troubleshooting Azure Connectivity (AZ-720)

Modality: Virtual Classroom

Duration: 3 Days

If you enroll in this course at the listed price, you receive a **Free Official Exam Voucher** *for the AZ-720 Exam. This course does not include Exam Voucher if enrolled within the Master Subscription, however, you can request to purchase the Official Exam Voucher separately.*

About this Course:

Networking is essential, particularly when you have cloud-based assets. This course covers the different connectivity issues that a network engineer will typically encounter, and the troubleshooting steps to resolve these issues.

Audience:

As an Azure network support engineer, you understand that business data is valuable, and needs to be protected from internal and external risks. When you encounter problems with backing up or recovery, you need to know how to approach the problem. In this module, you will learn how to monitor the status of backups, review logs, and troubleshoot common issues that occur when backing up and recovering data.

Prerequisites:

Before attending this course, students must have:

- Experience with networking and with hybrid environments, including knowledge of routing, permissions, and account limits.

Course Outline:

Troubleshoot business continuity with Microsoft Azure

- Introduction
- Troubleshoot backup issues with Microsoft Azure
- Troubleshoot recovery issues with Microsoft Azure
- Exercise: Troubleshoot business continuity issues
- Knowledge check
- Summary

Troubleshoot name resolution issues in Microsoft Azure

- Introduction
- Azure name resolution issues
- Troubleshoot public DNS in Microsoft Azure
- Troubleshoot name resolution issues
- Exercise: Name resolution issues
- Knowledge check
- Summary

Troubleshoot cloud and hybrid connectivity in Microsoft Azure

- Introduction
- Set up a troubleshooting environment
- Troubleshoot ExpressRoute connectivity
- Troubleshoot virtual network connectivity in Microsoft Azure
- Troubleshoot virtual WAN issues in Microsoft Azure
- Exercise: Troubleshoot cloud and hybrid connectivity
- Knowledge check
- Summary

Troubleshoot platform-as-a-service issues in Microsoft Azure

- Introduction
- Troubleshoot Azure Storage
- Troubleshoot Azure Private Link connectivity problems and firewalls for virtual machines
- Troubleshoot Content Delivery Network issues with Microsoft Azure
- Troubleshoot connections between virtual machines in Microsoft Azure
- Troubleshoot integration of virtual machines with virtual networks in Microsoft Azure
- Exercise: Troubleshoot virtual machine connection
- Exercise: Resolve virtual machine connection
- Knowledge check
- Summary

Troubleshoot authentication and access control issues in Microsoft Azure

- Introduction
- Troubleshoot Azure AD authentication
- Troubleshoot hybrid authentication in Microsoft Azure
- Troubleshoot authorization issues with Microsoft Azure
- Demo: Troubleshoot authentication and access control issues
- Knowledge check
- Summary

Troubleshoot network security issues with Microsoft Azure

- Introduction
- Setup troubleshooting environment
- Troubleshoot network security issues
- Troubleshoot NSGs

- Troubleshoot Azure Firewall
- Troubleshoot latency issues within a virtual network
- Exercise: Troubleshoot issue connecting virtual machine scale set
- Exercise: Resolve issue connecting virtual machine scale set
- Knowledge check
- Summary and resources

Troubleshoot routing, traffic control and load balancing in Microsoft Azure

- Introduction
- Set up troubleshooting environment
- Troubleshoot routing and traffic control
- Troubleshoot load-balancing issues
- Exercise: Troubleshoot routing, traffic control and load balancing issues
- Exercise: Resolve issue with load balancer
- Knowledge check
- Summary

Troubleshoot connectivity issues with virtual machines in Microsoft Azure

- Introduction
- Choose between Azure Bastion or just in time virtual machine access
- Troubleshoot issues with Azure Bastion
- Troubleshoot issues with just in time virtual machine access
- Exercise – Troubleshoot connectivity issues with Azure Bastion
- Knowledge check
- Summary

Troubleshoot VPN gateways in Microsoft Azure

- Introduction
- Troubleshoot site-to-site VPN gateways
- Troubleshoot point-to-site VPN gateways
- Exercise: Troubleshoot site-to-site VPN gateway connectivity
- Exercise: Resolve site-to-site VPN gateway connection
- Knowledge Check
- Summary