

Microsoft Azure: Networking Essentials

WorkshopPLUS

Duration: 3 days | **Focus Area:** Operations and Monitoring | **Difficulty**: 300

The Microsoft Azure: Networking Essentials workshop provides students with a comprehensive introduction to networking in general and into the specific of Azure Networking.

Key Features and Benefits

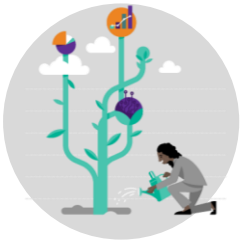
- Key knowledge on networking basics
- Apply the knowledge to Azure Networking

OUTCOMES



Skills

Gain a deeper understanding on networking and especially on Azure Networking.



Best Practices

Ensure readiness of the Azure Network stack to setup and maintain it.



Way Forward

Translate the learnings into your day to day business to adopt and react on the changes effectively.

PREREQUISITES

Participants that have existing experience performing networking tasks as well as basic Azure knowledge will receive the most value from this course.

Recommended Qualifications

- Solid core networking and Azure skills in day to day business.

Hardware Requirements

- An Intel Core-i5-based PC
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student

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AGENDA

Duration: 3 days



- *Introduction to Azure Networking*
- *Azure Components*

- *Azure ExpressRoute*
- *Azure Network Security*

- *Monitoring and Troubleshooting Azure Networking*

SYLLABUS

Introduction to Azure Networking

- Overview of Networking Terminology
- Overview of Hybrid Azure Network Topologies Available

Azure Components

- Virtual Networks
- Network Interfaces / IP Addresses
- Load Balancers
- Application Gateway
- Traffic Manager
- Azure Network Architectures

Azure ExpressRoute

- ExpressRoute
- Deployment Options
- Locations
- Peering
- Circuit Operations

Azure Network Security

- Overview of Network Security
- Securing Azure Virtual Machines
- Securing Azure Cloud Services
- Network Security Groups (NSGs)
- Azure Firewall
- Building Security Boundaries

Monitoring and Troubleshooting Azure Networking

- Service Map
- Azure Monitor
- Azure Network Watcher

NEXT STEPS: If you are interested in this WorkshopPLUS for your organization, contact your Microsoft Account Representative.

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