

# AZ-500: Microsoft Azure Security, Part 5 of 8: Network Security

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**Meet the expert:** Varma has over 14 years of experience in defining the integrated process, application, data & cloud architectures for both corporate & large scale multi-million business transformation programs and has worked extensively in defining strategy for migration of on-premise applications into AWS & Azure Cloud IaaS, PaaS, SaaS platforms. He is a TOGAF certified enterprise architect, PRINCE2 practitioner, and hold several certifications in SAP and cloud space.

**Prerequisites:** Candidates for this exam should have strong skills in scripting and automation, a deep understanding of networking, virtualization, and cloud N-tier architecture, and a strong familiarity with cloud capabilities.

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**Course description:** This course helps prepare for the Microsoft Certified: Azure Security Engineer (AZ-500 exam). It will cover Network Security: Network Security Controls, Azure Firewall Hub, Security Groups, Endpoints and Policies and Remote access Management.

## Course outline:

### Network Security Controls

- Introduction
- Overview of Azure Network security controls
- DDoS & Azure Firewall
- Summary

### Azure Firewall Hub

- Introduction
- Demo: Implement Azure firewall in Hub and Spoke a
- Demo: Implement Azure firewall continued
- Summary

### Security Groups

- Introduction
- Network and Application security groups
- Demo: Implement network and application security
- Summary

### Endpoints and Policies

- Introduction
- Service endpoints and policies
- Demo: Configure service endpoints
- Summary

### Remote Access Management

- Introduction
- Remote access management
- Demo: Remote access Azure Windows VM
- Summary

### IaaS security

- Introduction
- Introduction to Azure IaaS security best practices
- Introduction to Azure VM endpoint protection
- Demo: Install Microsoft Antimalware on Azure VM
- Summary

### VM Update Management

- Introduction
- Introduction to Azure VM update management
- Demo: Enable update

- Summary

### VM Storage and Encryption

- Introduction
- Introduction to Azure VM storage
- Demo: Carry out disk encryption
- Demo: Azure VM Backup encryption
- Summary