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

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 management solution on Azure
- Summary

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