Configure and Manage Virtual Networks (30-35%)

Create connectivity between virtual networks

Create and configure VNET peering; create and configure VNET to VNET; verify virtual network connectivity; create virtual network gateway

- Create, change, or delete virtual network peering
- Tutorial: Connect virtual networks with virtual network peering using the Azure portal
- Virtual network peering
- Troubleshoot connections with Azure Network Watcher using the Azure portal
- Create Site-to-Site connection in the Azure portal

Implement and manage virtual networking

Configure private and public IP addresses, network routes, network interface, subnets, and virtual network

- Quickstart: Create a virtual network using the Azure portal

Configure name resolution

Configure Azure DNS; configure custom DNS settings; configure DNS zones

- Quickstart: Configure Azure DNS for name resolution using the Azure Portal
- Use Azure DNS to provide custom domain settings for an Azure service
- How to manage DNS Zones in the Azure portal

Create and configure a Network Security Group (NSG)

Create security rules; associate NSG to a subnet or network interface; identify required ports; evaluate effective security rules

- Create, change, or delete a network security group
• Tutorial: Log network traffic to and from a virtual machine using the Azure portal
• Diagnose a virtual machine network traffic filter problem