

Section 4: Configure and Manage Virtual Networks  
Preparation Course for Exam AZ-100  
Microsoft Azure Infrastructure and Deployment

## [Configure and Manage Virtual Networks \(20-25%\)](#)

### **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](#)