**Azure Networking**

Networking foundation

Load balancing and content delivery

Hybrid connectivity - VPN Gateway, ExpressRoute, Virtual WAN, and Peering Service.

Network security: Firewall Manager, Firewall, Web Application Firewall, and DDoS Protection.

Network Management and monitoring: Network Watcher, Azure Monitor, and Azure Virtual Network Manager.

**Virtual network**

[Azure Virtual Network (VNet)](https://learn.microsoft.com/en-us/azure/virtual-network/virtual-networks-overview) is the fundamental building block for your private network in Azure. You can use VNets to:

* **Communicate between Azure resources**:
* **Communicate between each other**:
* **Communicate to the internet**:
* **Communicate with on-premises networks**:
* **Encrypt traffic between resources**:

**Network security groups**

**Service endpoints**

**Azure Private Link**

**Azure DNS**

1. **Azure Public DNS**
2. **Azure Private DNS**
3. **Azure DNS Private Resolver**

**Azure Bastion**

**Azure Route Server – NVA(Network Virtual Appliance)**

**NAT Gateway**

**Traffic Manager**