Practice - VNet to VNet Connections

Note: This demonstration works best with two virtual networks with subnets. All the steps are in the portal.

Explore the Gateway subnet blade

1. For one of your virtual network, select the **Subnets** blade.
2. Select **+ Gateway subnet**.
   Notice the name of the subnet cannot be changed.
   Notice the **address range** of the gateway subnet. The address must be contained by the address space of the virtual network.
3. Remember each virtual network needs a gateway subnet.
4. Close the Add gateway subnet page. You do not need to save your changes.

Explore the Connected Devices blade

1. For the virtual network, select the **Connected Devices** blade.
2. After a gateway subnet is deployed it will appear on the list of connected devices.

VNet1 - Connected devices
Virtual network

DEVICE	TYPE	IP ADDRESS	SUBNET
vm2858	Network interface	10.0.1.4	Subnet2
vm2512	Network interface	10.0.1.5	Subnet2
vm152	Network interface	10.0.0.4	Subnet1
vm1448	Network interface	10.0.0.5	Subnet1
vnet1	Virtual network gateway	-	GatewaySubnet

Explore adding a virtual network gateway

1. Search for **Virtual network gateways**.
2. Click **+ Add**.
3. Review each setting for the virtual netowrk gateway.
4. Use the Information icons to learn more about the settings.
5. Notice the **Gateway type**, **VPN type**, and **SKU**.
6. Notice the need for a **Public IP address**.

7. Remember each virtual network will need a virtual network gateway.
8. Close the Add virtual network gateway. You do not need to save your changes.

Explore adding a connection between the virtual networks

1. Search for **Connections**.
2. Click **+ Add**.
3. Notice the **Connection type** can be VNet-to-VNet, Site-to-Site (IPsec), or ExpressRoute.
4. Provide enough information, so you can click the **Ok** button.
5. On the **Settings** page, notice that you will need select the two different virtual networks.
6. Read the Help information on the **Establilsh bidirectional connnectivity** checkbox.
7. Notice the **Shared key (PSK)** information.
8. Close the Add connection page. You do not need to save your changes.