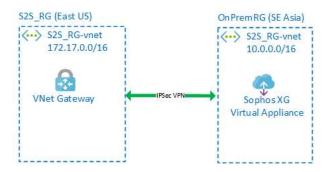
Module 3 - Lab 2: On-Prem to Azure Connections (Optional) - Site-to-Site VPN Connections

Task 1: Review the deployment.

1. In this task review the resources that are being deployed for you. You will see a Sophos XG Virtual Appliance being created which will emulate an onpremises device. The layout of this is depicted in the digaram below



Task 2: Create a VNet.

8	In this task you will create a Virtual Machine and a Virtual Network inside a new Resource group which will be use to connect to your emulated On-
	Prem environment.

- 1. Open a web browser and navigate to the Azure Portal https://portal.azure.com.
- 2. Log in with the username sheikhnasirVE7MK@gdcs2.com and password yixbqlD09Z60KFf9.
- 3. In the search box, search for and select Virtual Networks.
- 4. In the Virtual Networks page, click + Create.
- 5. On the Basics blade enter the following and then click Next: IP Addresses >:
 - Resource group: S2S_RG-XDSTSGT1RP
 - Name: S2S RG-vnet
 - Region: East US
- 6. On the **IP Addresses** blade, update the following:
 - IPv4 address space: 172.17.0.0/16
 - O Subnet Name: Default
 - Subnet address range: 172.17.0.0/24
- 7. Click **Review + Create** then click **Create**.

▲ Note: You can continue to the next task without having to wait for the deployment to complete.

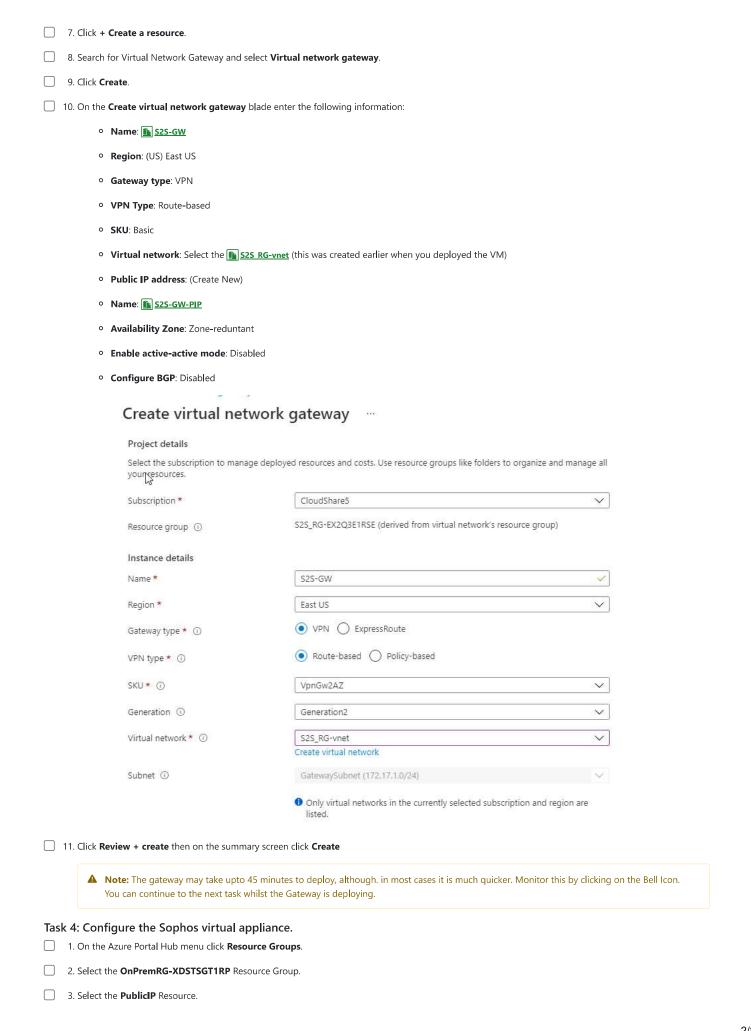
Task 3: Create a Gateway Subnet and a Virtual network Gateway.

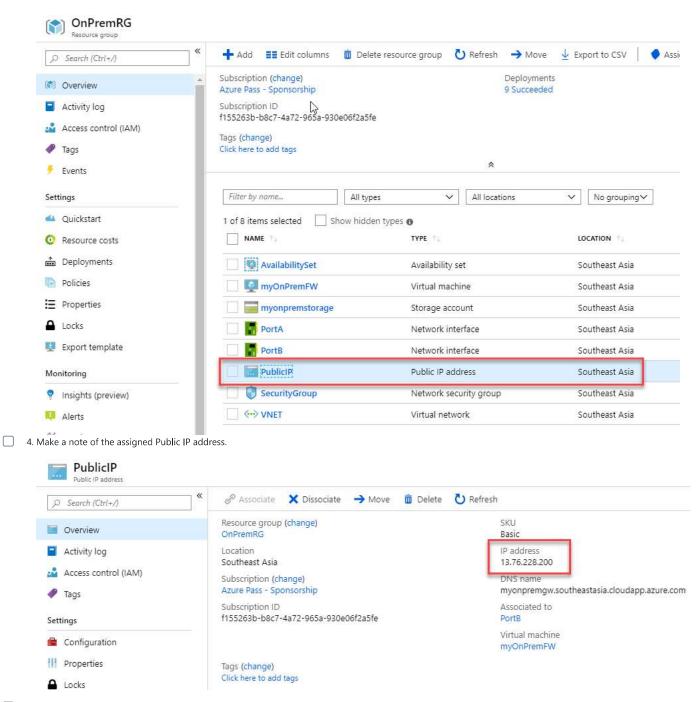
In this task you will Create a Gateway Subnet and a Virtual network Gateway which will enable you to create a connection between On-Prem and your Azure VNet.

- 1. In the Azure Portal click **Resource Groups** on the Hub Menu.
- 2. Click the S2S_RG-XDSTSGT1RP resource group that has been created for you.
- 3. In the S2S_RG-XDSTSGT1RP Resource Group blade click the S2S_RG-vnet.
- 4. On the S2S_RG-vnet menu click Subnets.
- 5. Click + Gateway subnet.

Note: You need to create a Gateway subnet in order for the Gateway machines to reside in. All the routing is done by the Azure Software Defined Networking.

6. Leave the default options on the Add subnet blade and click Save.





- 5. Open a new browser session and navigate to https://x.x.x.:4444 (where x.x.x.x is the public IP address you noted above).
- 6. Depending on your browser there may be different options to proceed with the connection.



Your connection is not private

Attackers might be trying to steal your information passwords, messages, or credit cards). <u>Learn more</u>

NET::ERR_CERT_AUTHORITY_INVALID



Hide advanced

This server could not prove that it is **13.76.228.20** your computer's operating system. This may be ca attacker intercepting your connection.

Proceed to 13.76.228.200 (unsafe

- 7. Log into the Firewall with the following credentials:
 - O Admin
 - o <u>asfCfmb8kFURSdKj</u>
- 8. Accept the licence agreement.
- 9. On the Register your firewall page click I don't have a a serial number (start a trial) and select I do not want to register now then click Continue.



Register your firewall

Every firewall must have a serial number. We can get one for you automatically. Alternatively, if you have an unused serial number, you can specify it here



You will automatically receive a serial number and a 30-day trial period. During this period, you can test the full functionality of Sophos XG Firewall. Do not use this option for home use.

I would like to migrate my UTM 9 license now

You will receive a serial number automatically. Your equivalent UTM 9 license will be converted and applied to the XG Firewall.

This is not reversible. If you are not sure about migrating now, click "Start a trial". You can migrate the license after you test XG Firewall.

✓ I do not want to register now

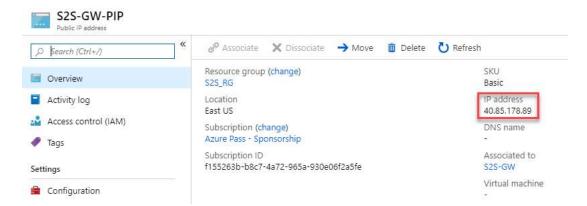
You can skip registration for now. A reminder to register will appear during your next login. You can continue without registration for another 30 days.



Continue

- 10. On the Warning pop up click **Continue**.
- 11. Return back to the Azure Portal. Open the S2S_RG-XDSTSGT1RP Resource Group and select the S2S-GW-PIP Public IP and make a note of it.

▲ Note: This is your Public IP you will connect your Sophos virtual applicabce to via IPSec VPN.



- 12. Return back to the Sophos Portal.
- 13. Go to **VPN > IPsec Connections**, select **Add** and configure the following settings:

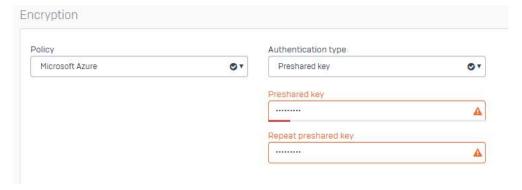
General Settings Section:

- On Prem to Azure
- IP Version: IPv4.
- Activate on Save: Selected.
- Create firewall rule: Selected.
- Description: Site to Site connection from On Prem to Azure VNet.
- Connection Type: Site-to-Site.
- Gateway Type: Respond Only.

General settings Name IP version Activate on save ● IPv4 ○ IPv6 0 On_Prem_to_Azure Create firewall rule Description Connection type Site to Site connection from On Prem to Azure VNet. 0 Site-to-site Gateway type Respond only 0

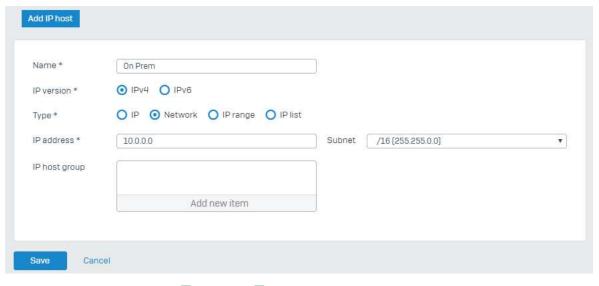
Encryption Section:

- Policy: Microsoft Azure.
- Authentication Type: Preshared Key.
- Preshared Key: 123456789
- o Repeat Preshared Key: in 123456789



Gateway Settings Section:

- Listening Interface: Leave the default.
- Gateway Address: Input the public IP of the Azure VPN gateway noted earlier.
- Local ID: IP Address.
- Remote ID: IP Address.
- Local ID: Enter the public IP of the on-premises Sophos XG Firewall.
- Remote ID: Input the public IP of the Azure VPN gateway that you noted earlier.
- **Local Subnet**: Enter the local subnet of <u>10.0.0.0 /16</u> <u>1255.255.0.0</u>)



• Remote Subnet: Enter the remote subnet 172.17.0.0 /16 1255.255.0.0

