

CELEBAL TECHNOLOGY INTERNSHIP (CSI)

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Topic 4: - Site to Site VPN Connection

1. What are VPN gateways?

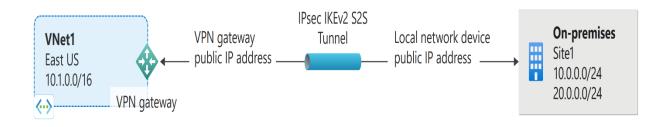
VPN gateways provide secure connectivity between multiple sites, such as on-premises data centers, Google Cloud Virtual Private Cloud (VPC) networks, and Google Cloud VMware Engine private clouds. Traffic is encrypted because the VPN connections traverse the internet. Each VPN gateway can support multiple connections.

Site-to-Site VPN Defined?

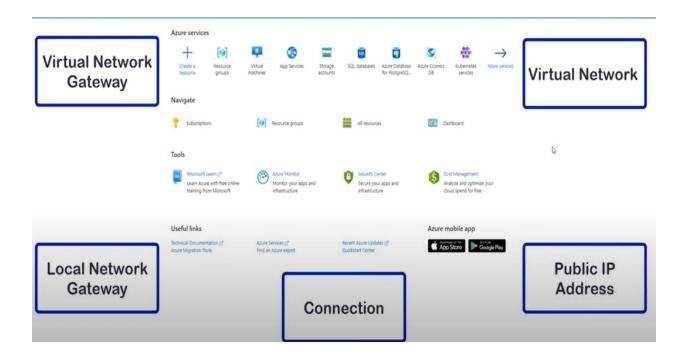
A site-to-site virtual private network (VPN) refers to a connection set up between multiple networks. This could be a corporate network where multiple offices work in conjunction with each other or a branch office network with a central office and multiple branch locations.

3. A Site-to-Site VPN gateway connection?

A Site-to-Site VPN gateway connection is used to connect your on-premises network to an Azure virtual network over an IPsec/IKE (IKEv1 or IKEv2) VPN tunnel. This type of connection requires a VPN device located on-premises that has an externally facing public IP address assigned to it.

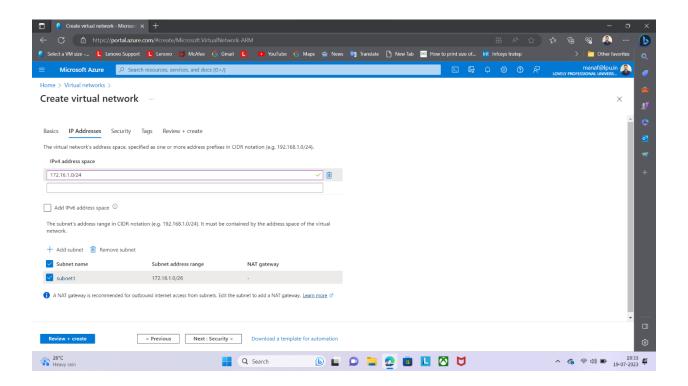


4. Steps to configure site to site VPN connection?

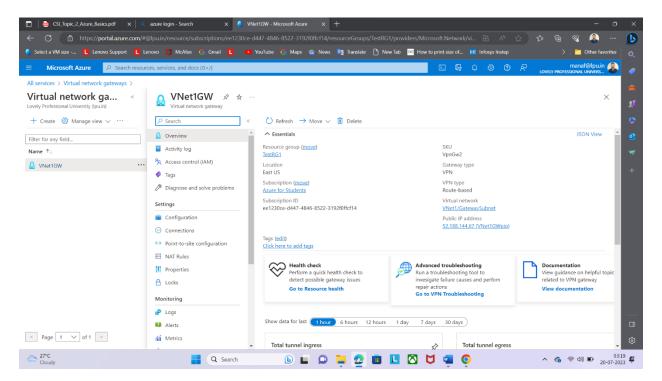


- •Create a virtual network
- •Create a VPN gateway
- •Create a local network gateway
- Create a VPN connection
- Verify the connection
- Connect to a virtual machine

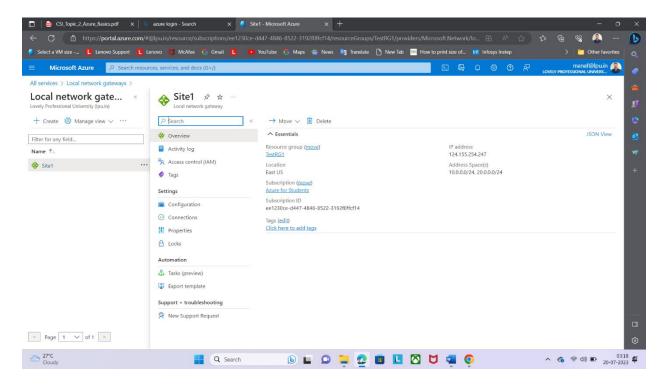
Create a virtual network



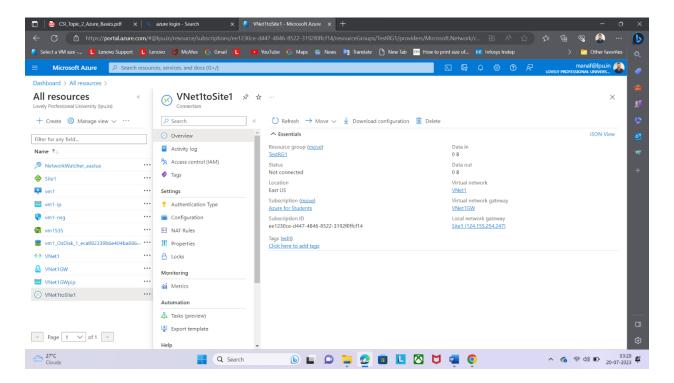
Create a VPN gateway



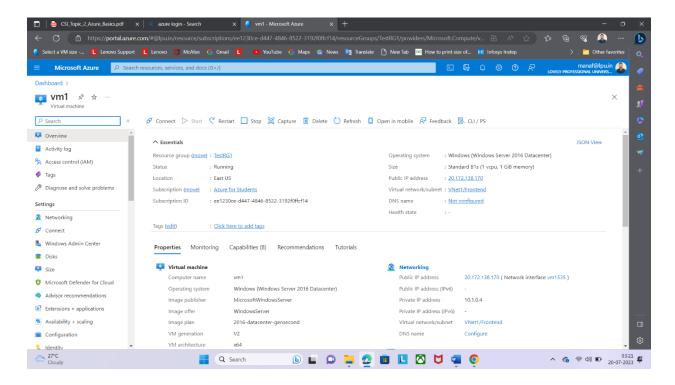
Create a local network gateway



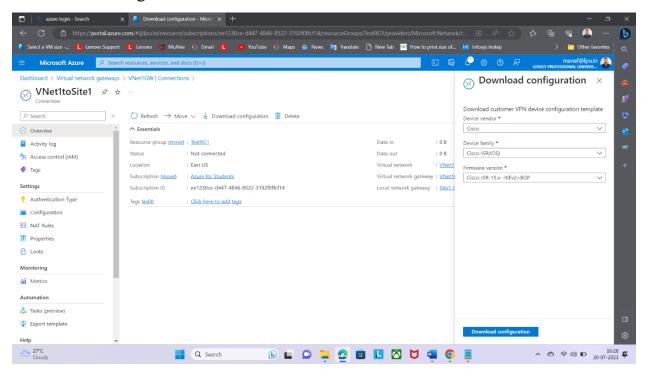
Create a VPN connection



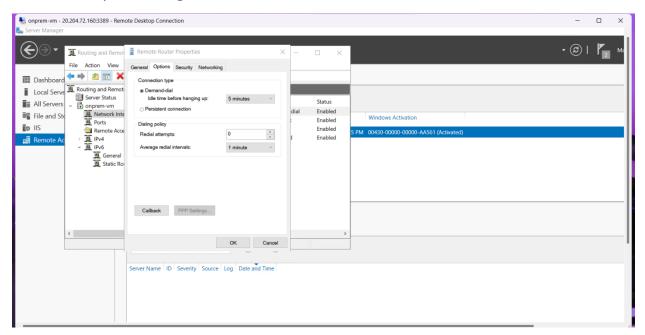
Connect to a virtual machine

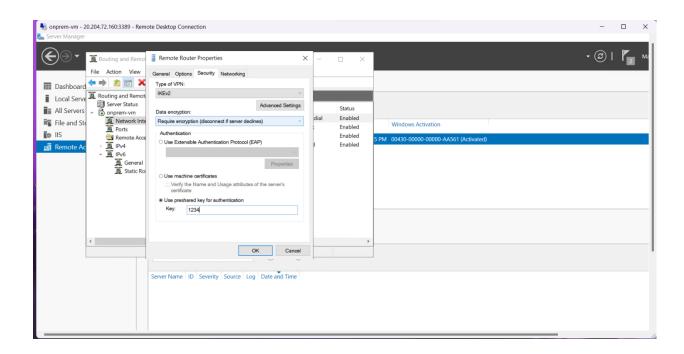


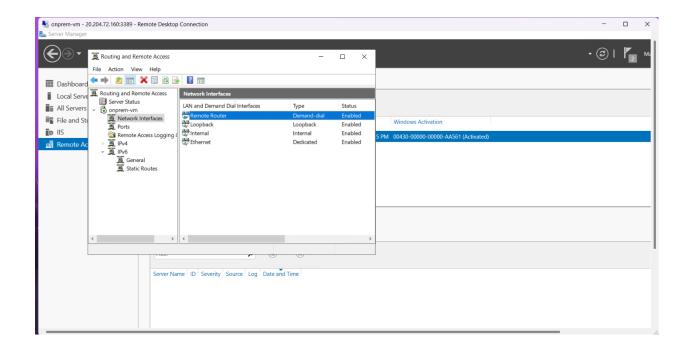
Download Configuration



Set the complete thing in the vm1







Ping from on-premises vm to the azure vm

