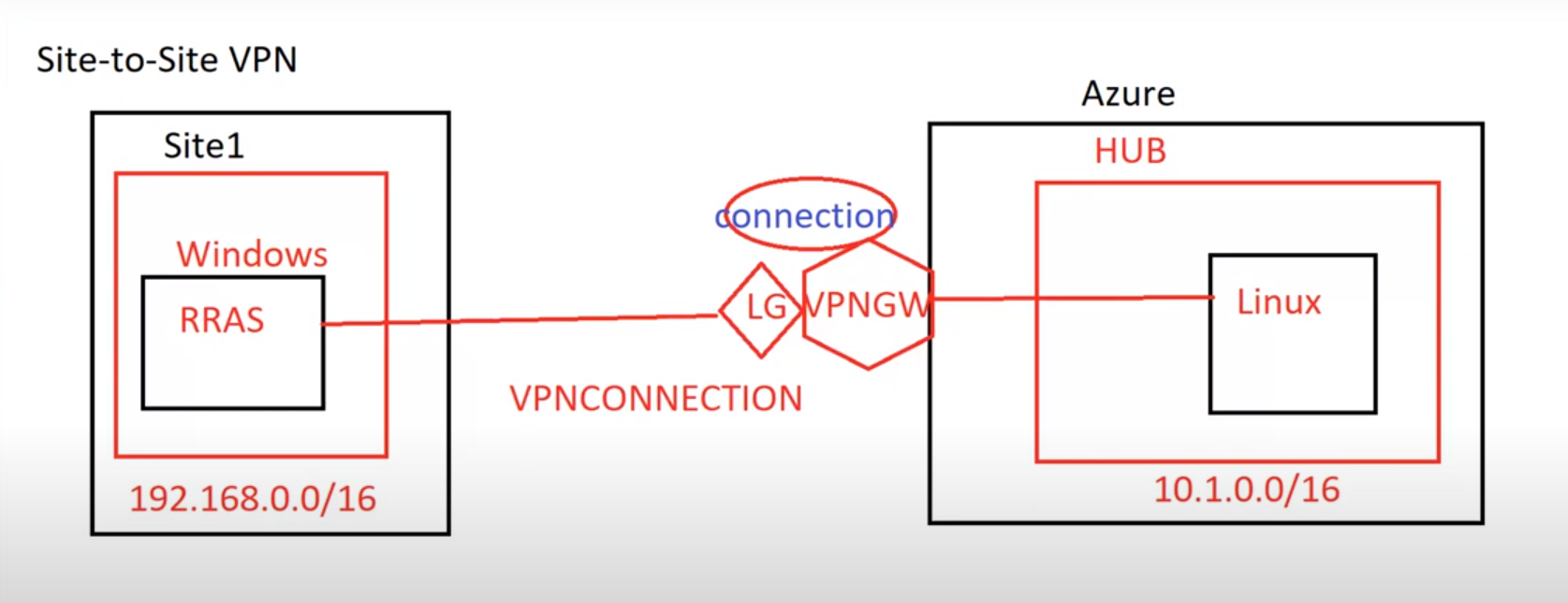
Implement and Verify Site-to-Site VPN

Connectivity in Azure

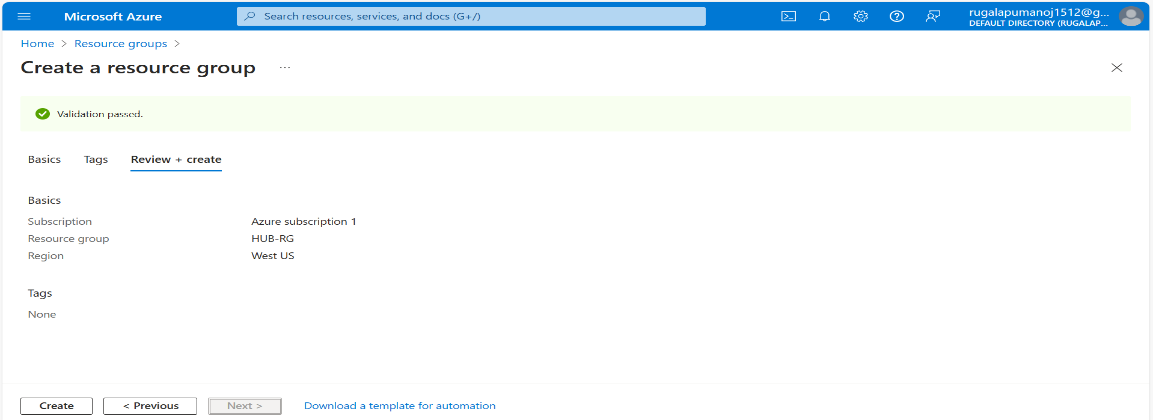
* Let we implement site –to-site VPN connectivity from Azure to Local Server.

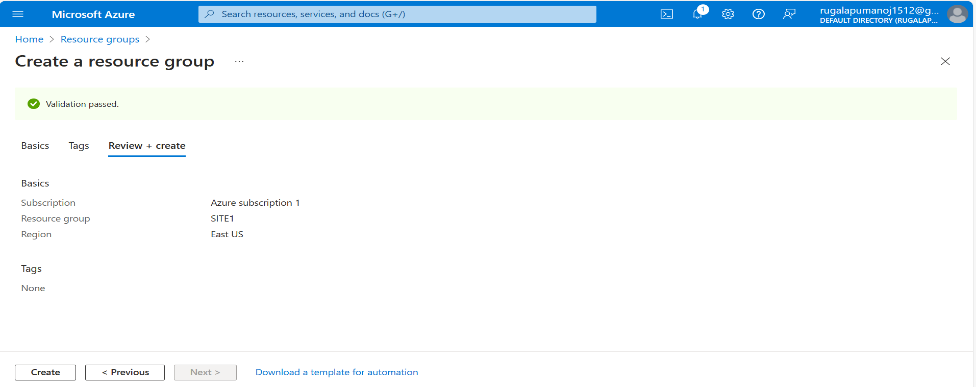


Create a Resource Group:

* Log in to the Microsoft Azure Portal.
* Select the resource group then create it. And another resource group create.

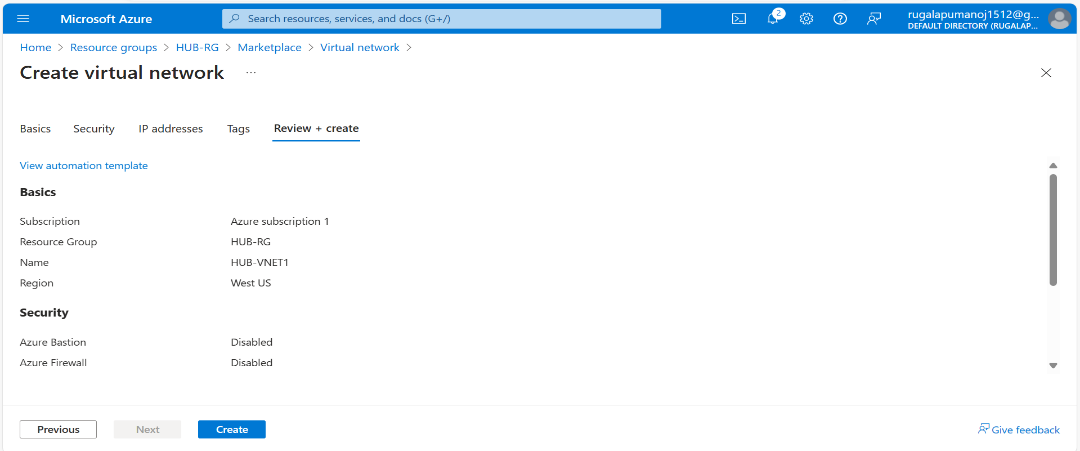


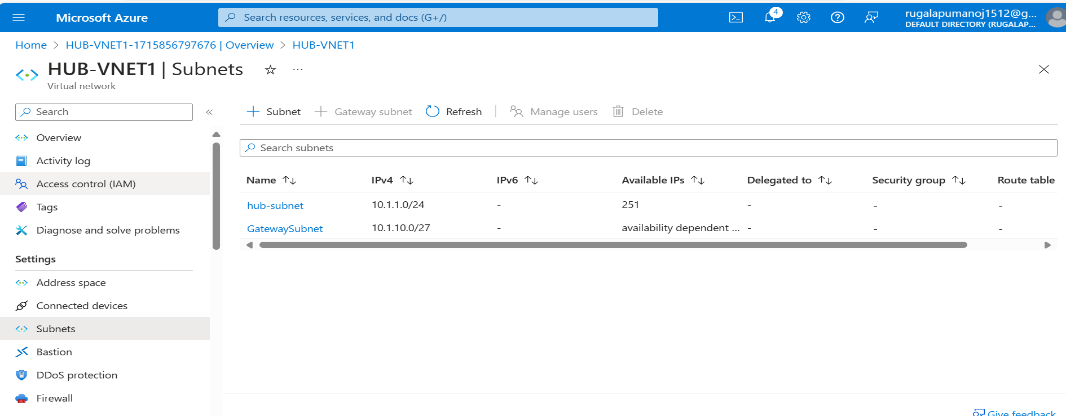




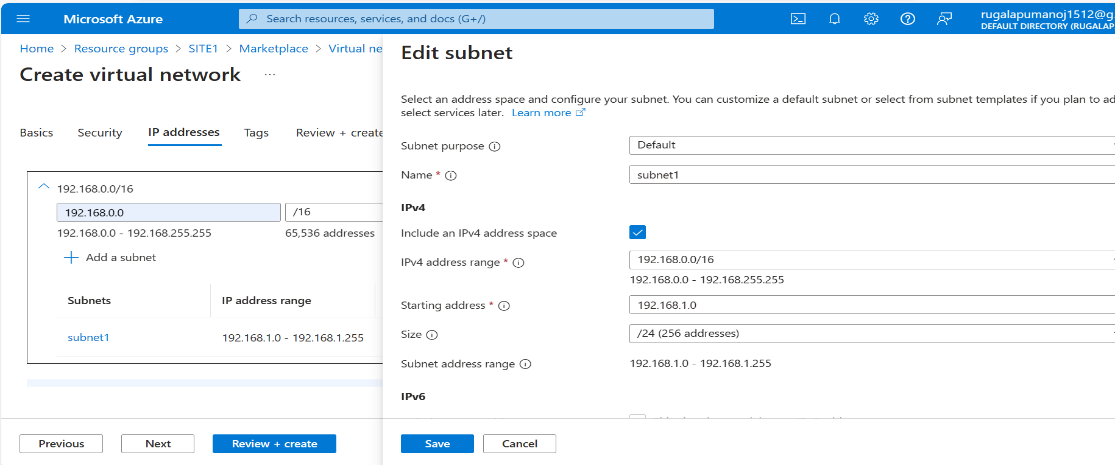
Create a Virtual Private Cloud (VPC)/ Vnet:

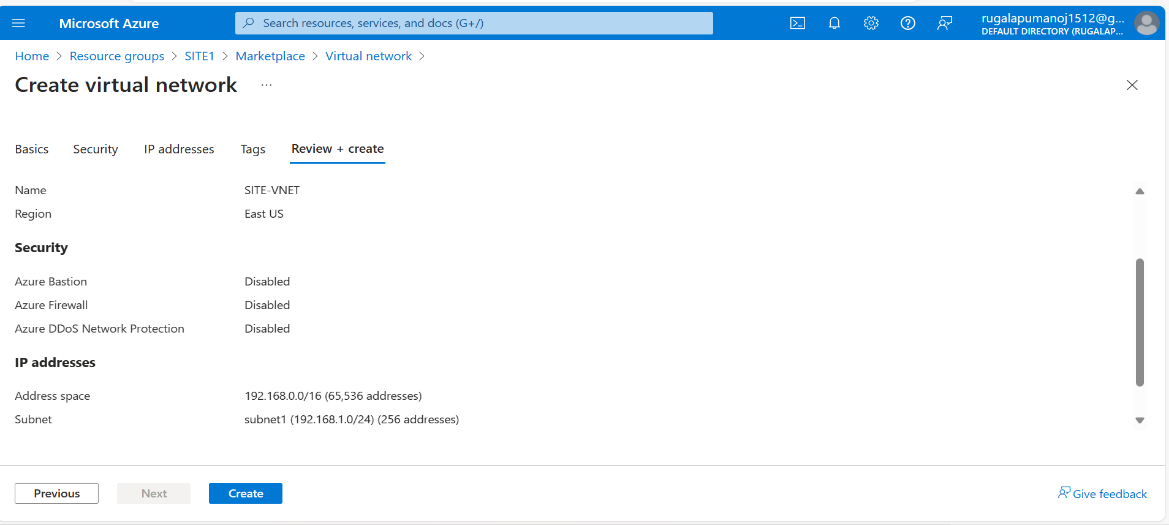
* Create a two virtual networks.
* One virtual network in resource group(Hub-RG).





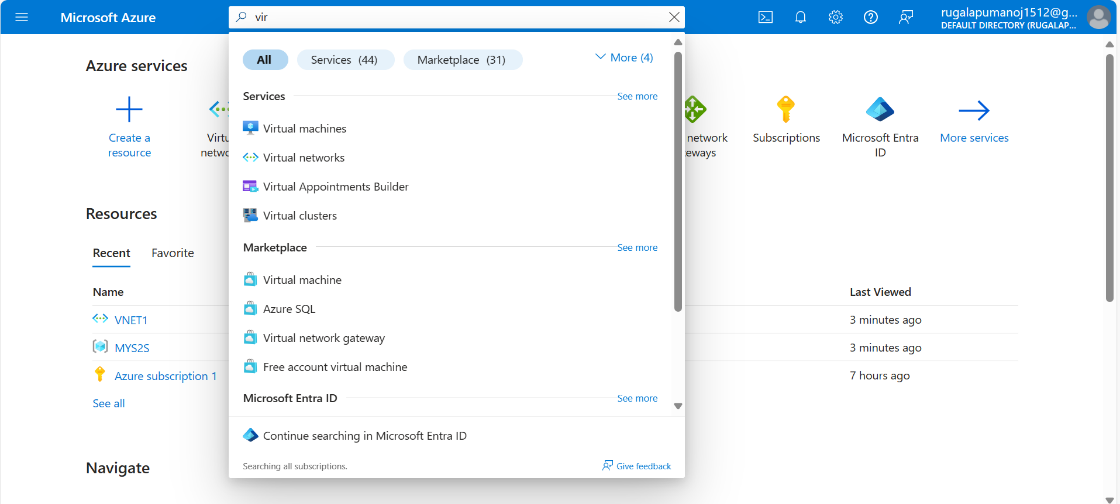
* Another one virtual network in resource group(Site1).



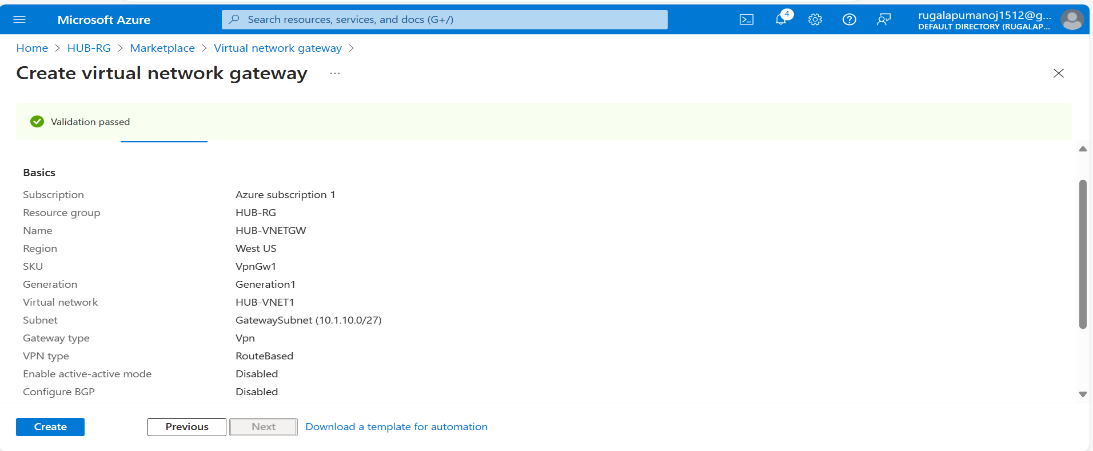


Create a Virtual Network Gateway:

* Select the virtual Network Gateway.



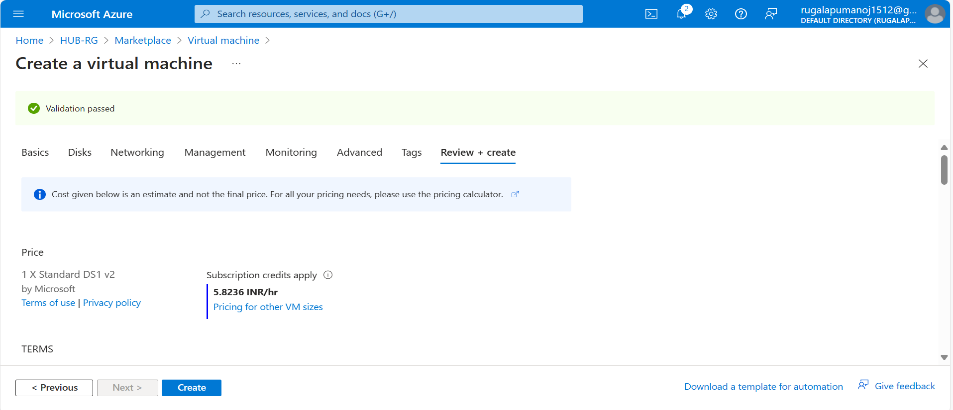
* Fill the details and select your preferred region.



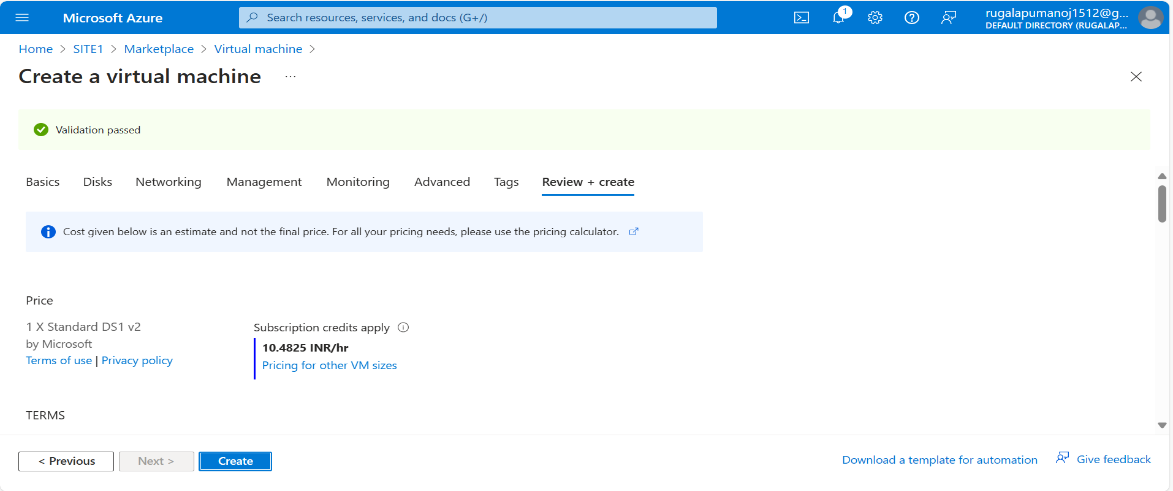
* click “review + Create” and then “create” to create the VNET Gateway in (Hub-RG).

Create a Virtual Machine:

* Create a two Virtual Machine.
* One virtual Machine is Ubuntu server in (Hub-RG) resource, Then create it.

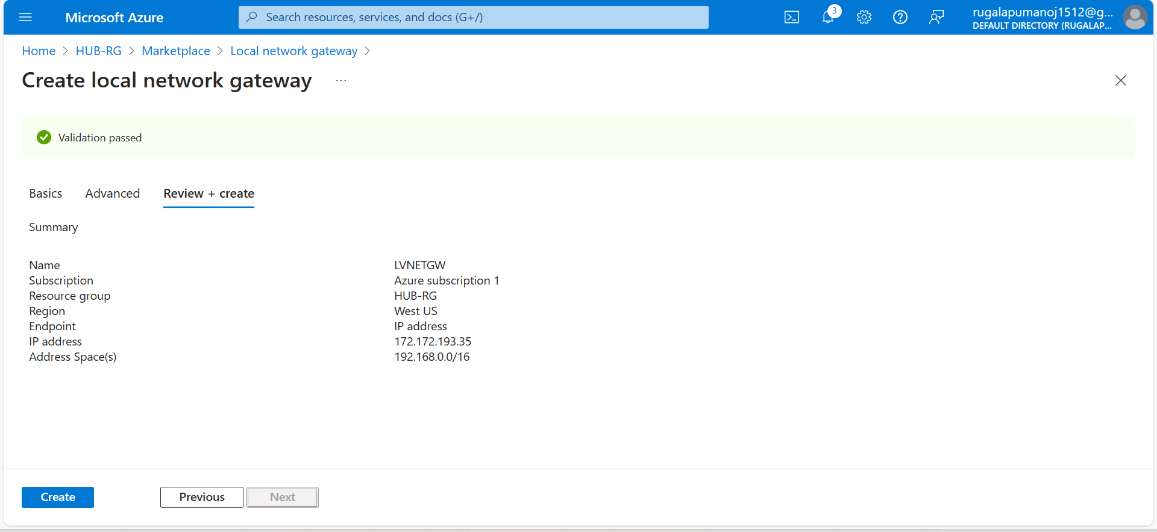


* Another one Virtual Machine is Window Server in (Site1)resource,Then create it.

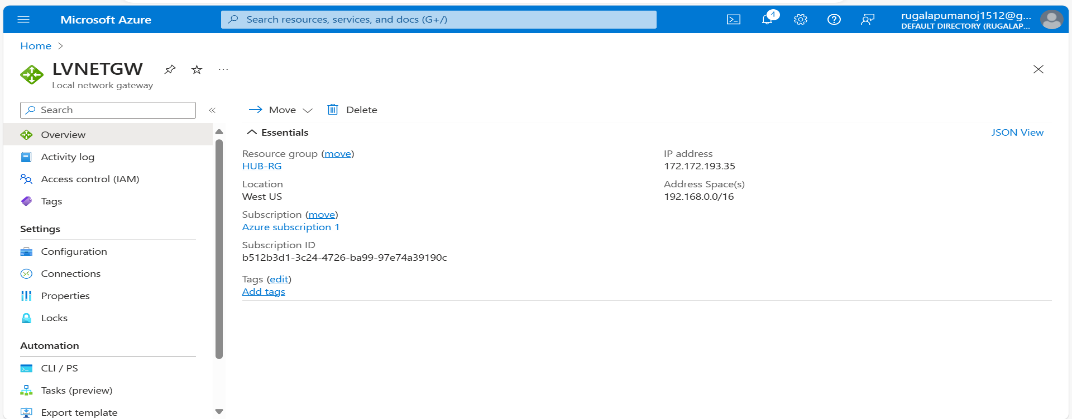


Create a Local Network Gateway:

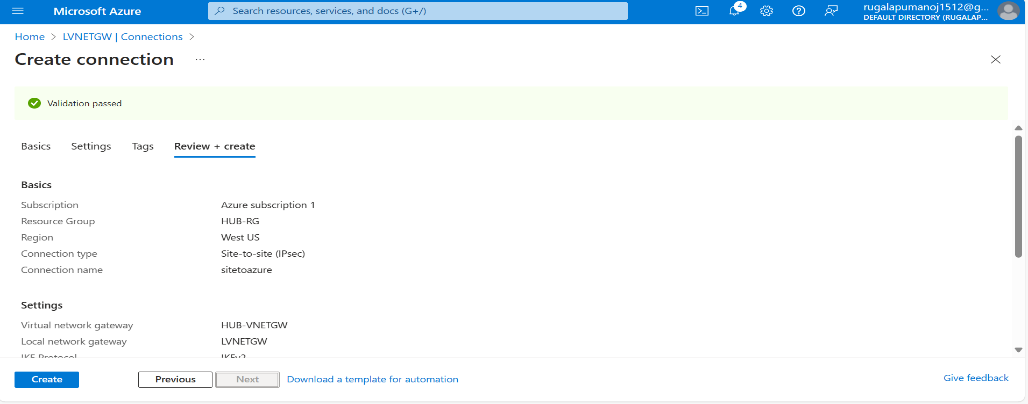
* Create a local Network Gateway.
* Add IP Address from VM (RRAS).
* Add Address Space from DN server (ex : 192.168.0.0/16)



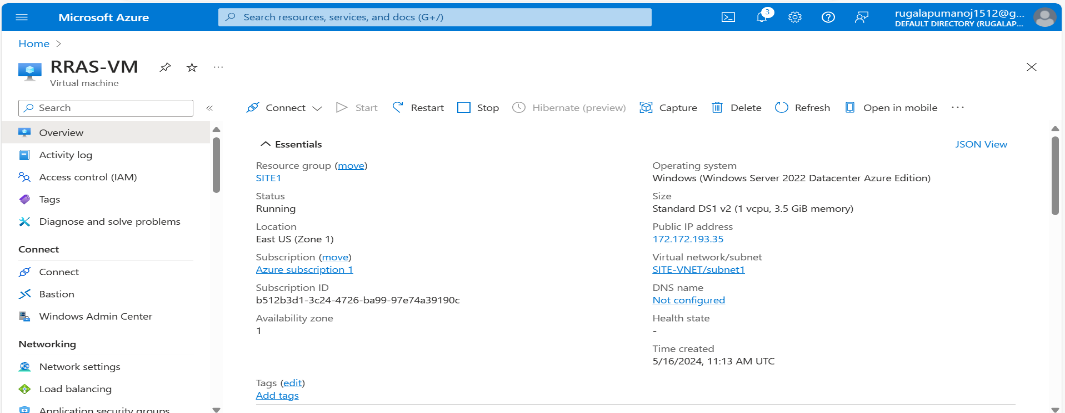
* “Overview” and click “connections”.

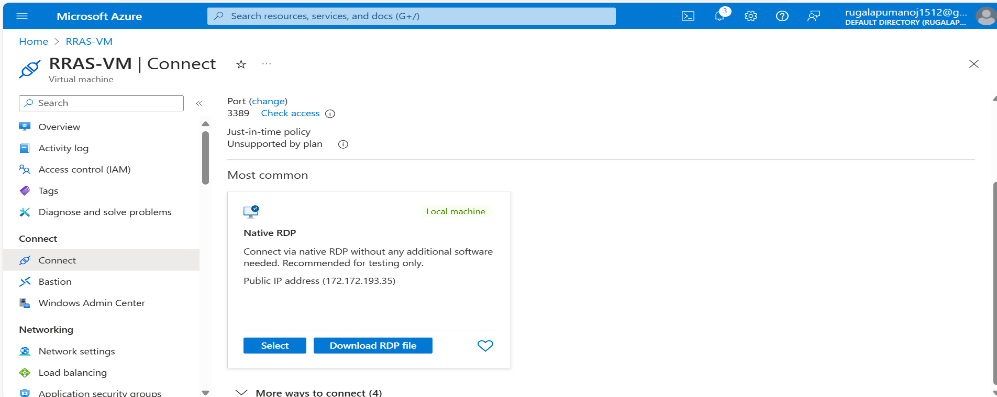


* Create a Connections.
* Fill the details and select your preferred region.
* Connection : site-to-site.
* Connect Between two virtual to local (Network Gateway).

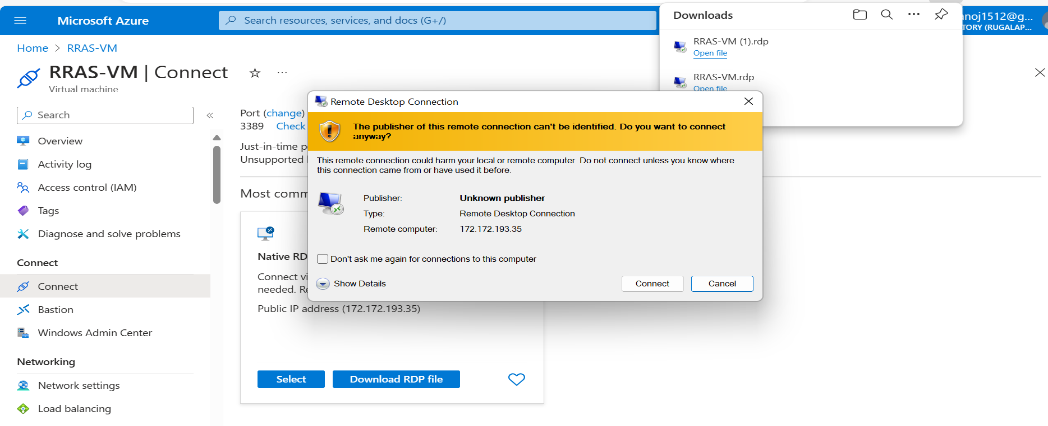


* Open once VM (RRAS).
* Then Connect it.

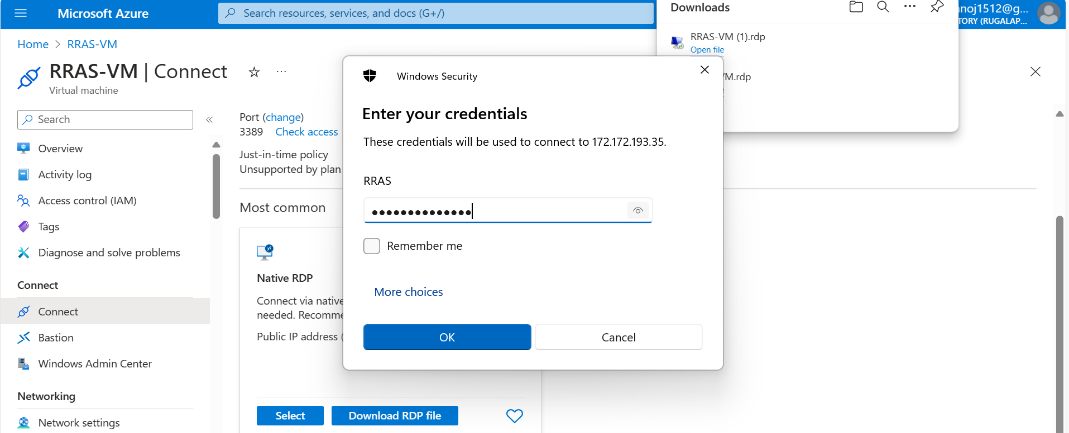




* Click “Download” RDP File.



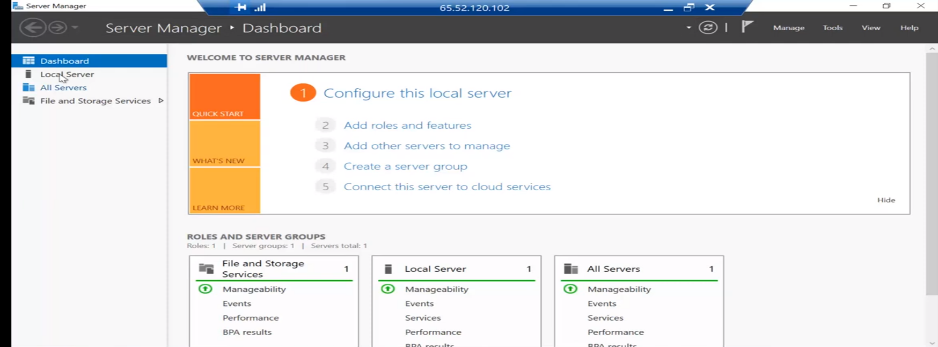
* Open the file RRAS.
* Remote desktop connection to connect it.

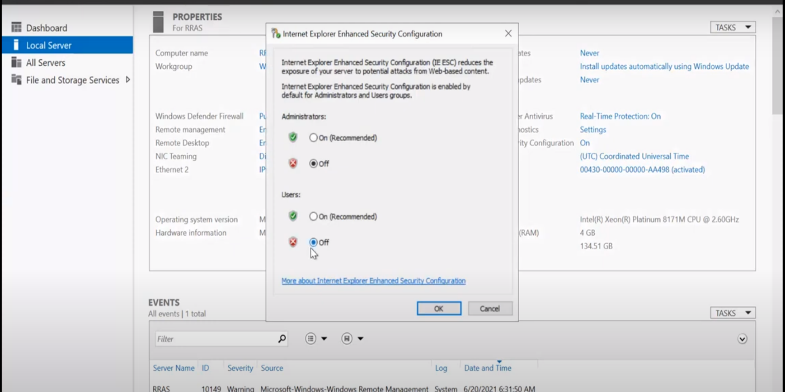


* Enter your credentials.

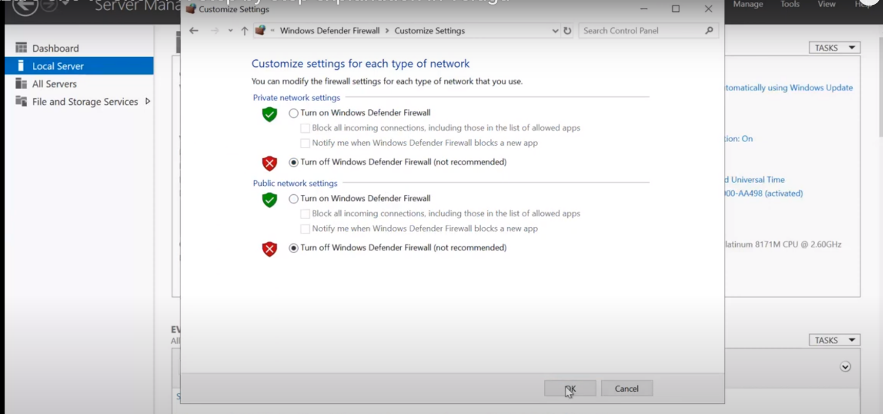
1. Username
2. Password

* Click it “OK”.
* Then open server manager in window server.

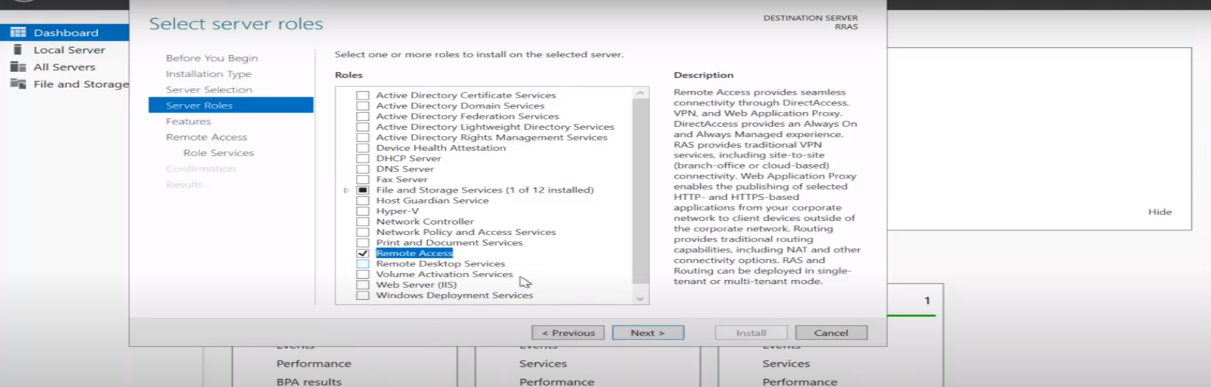


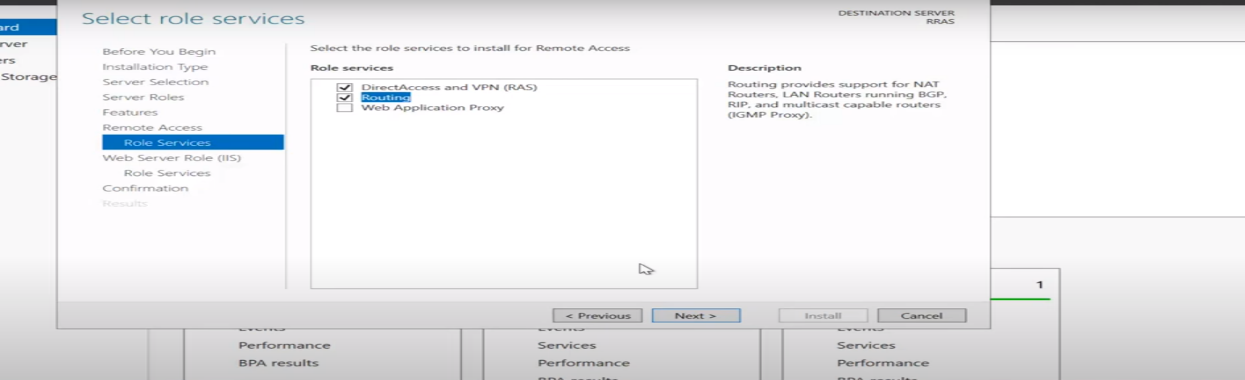


* Click Local Server, and enhanced security cong. Then Click Both (OFF ) button.
* Next firewall option will be off then Click ok.

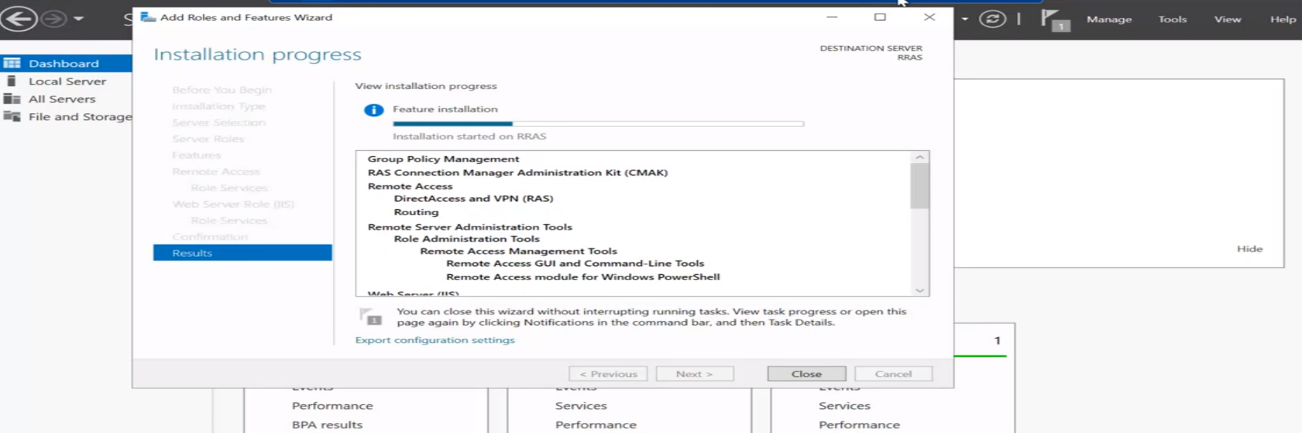


* GO to Dashboard we will add a roles and features.
* Click Next, add Remote Access then next.

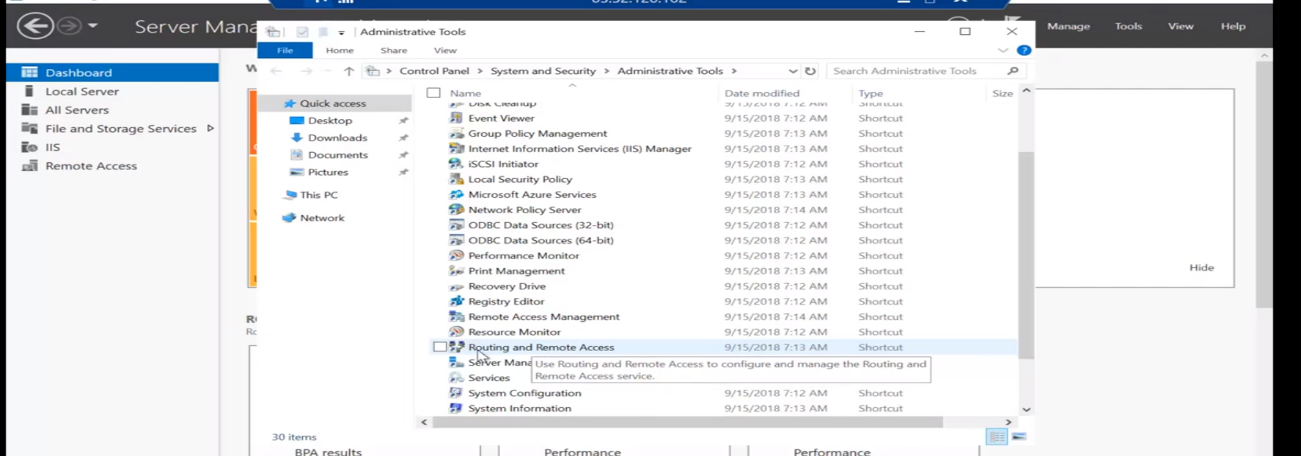


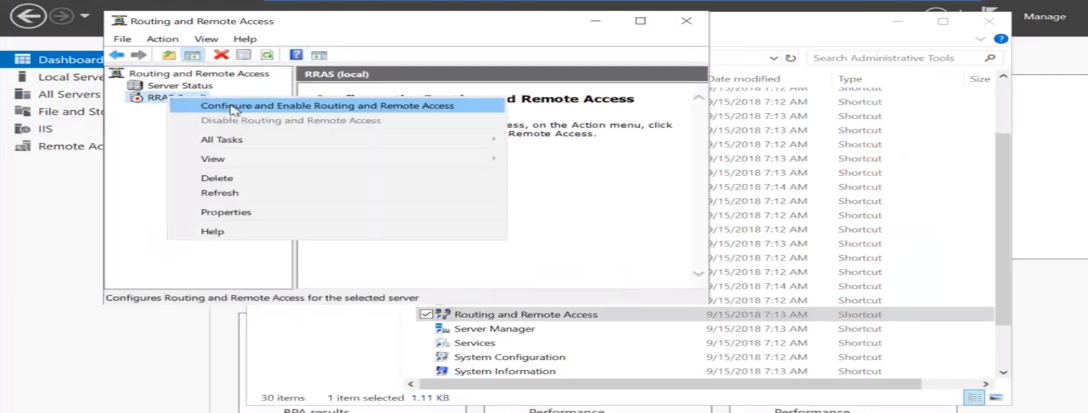


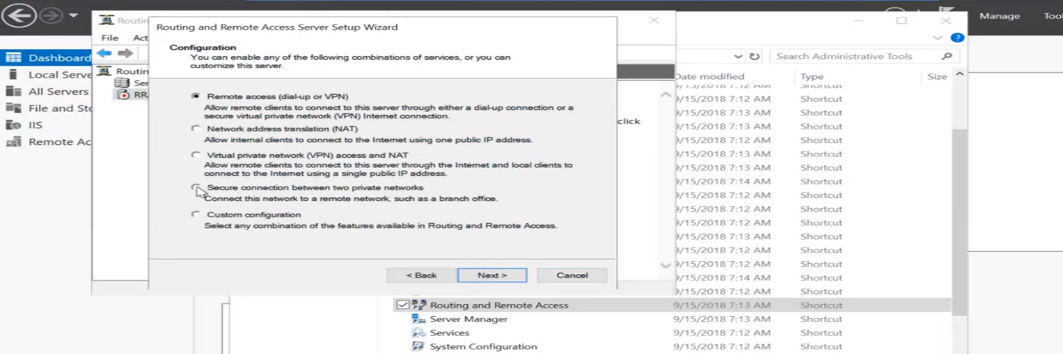
* Let we install as per given requirements. Then Click INSTALL.



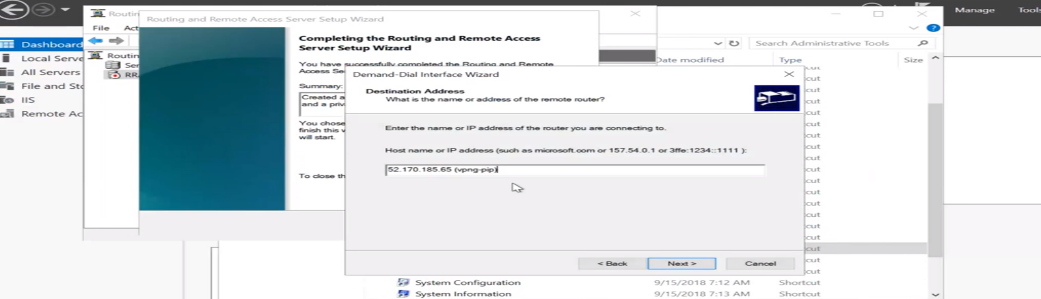
* Open Adminstrative Tools “Click ” routing and remote access.

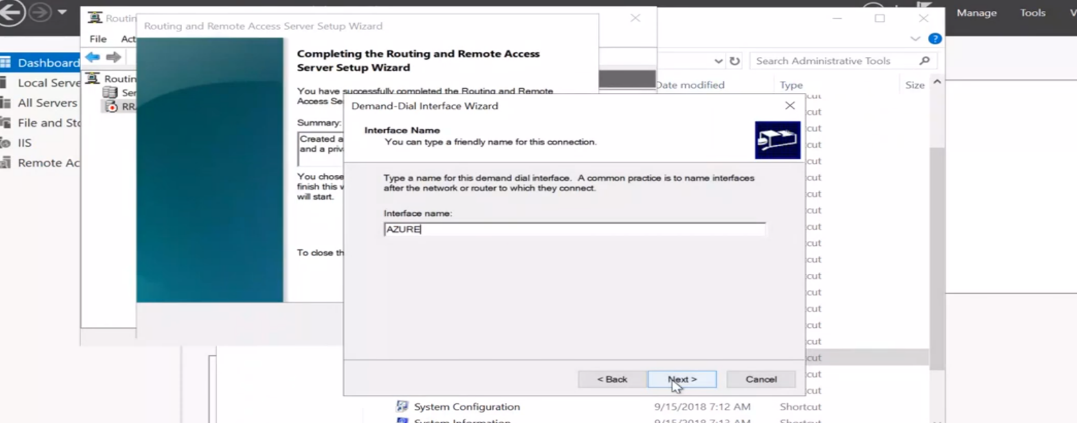




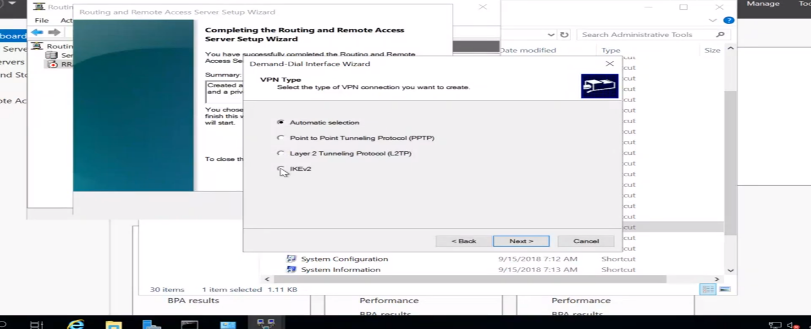


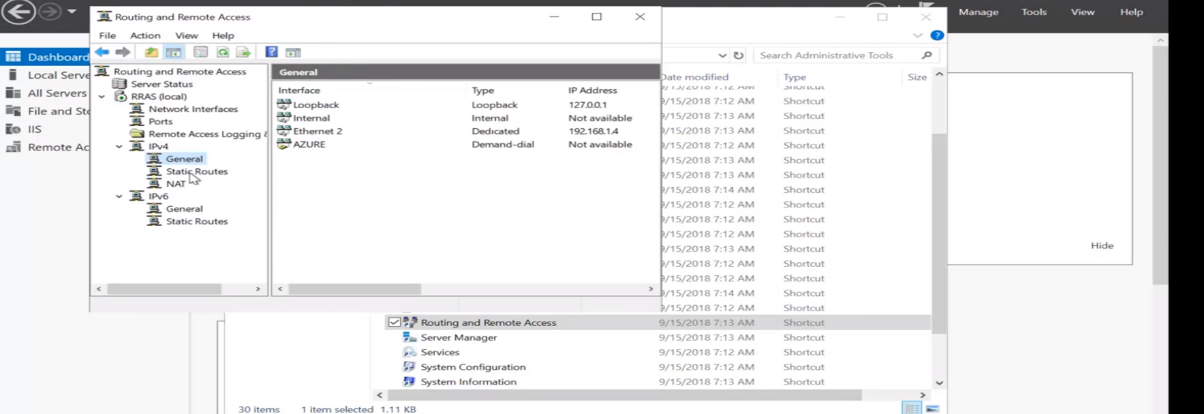
* Add a host Name ip. It will take a Azure network gateway.



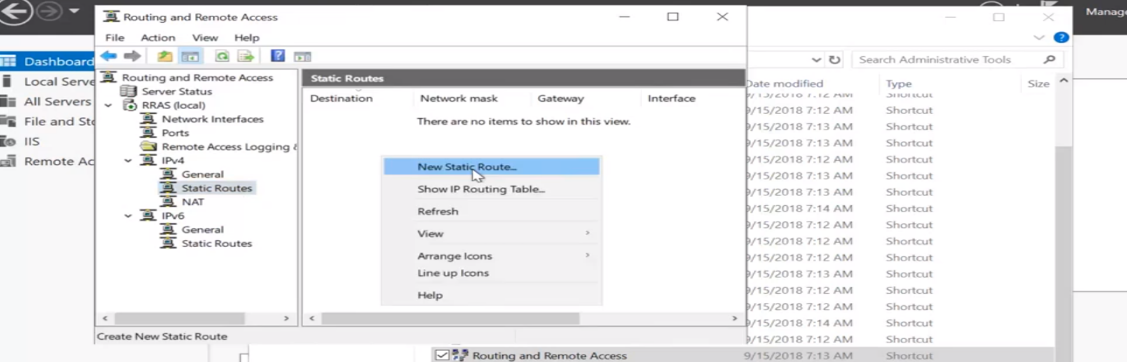


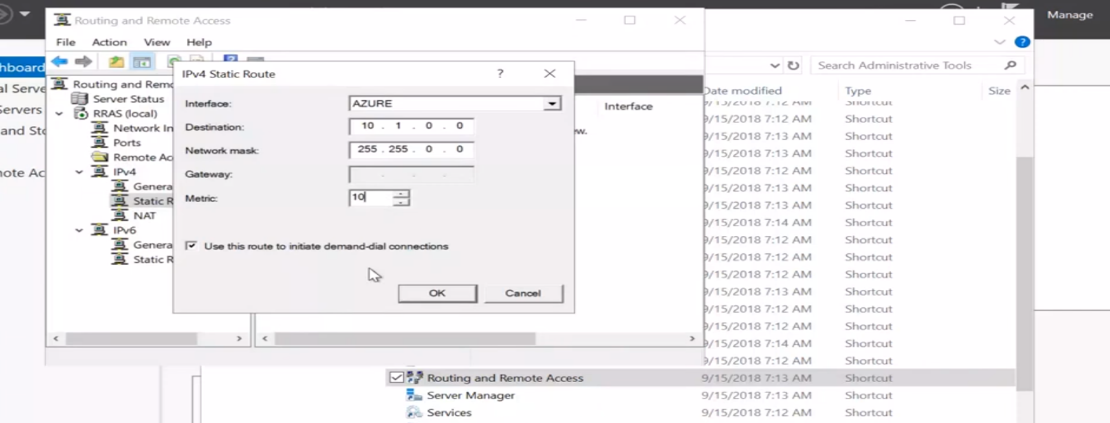
* Add a protocol VPN TYPE- IKEv2



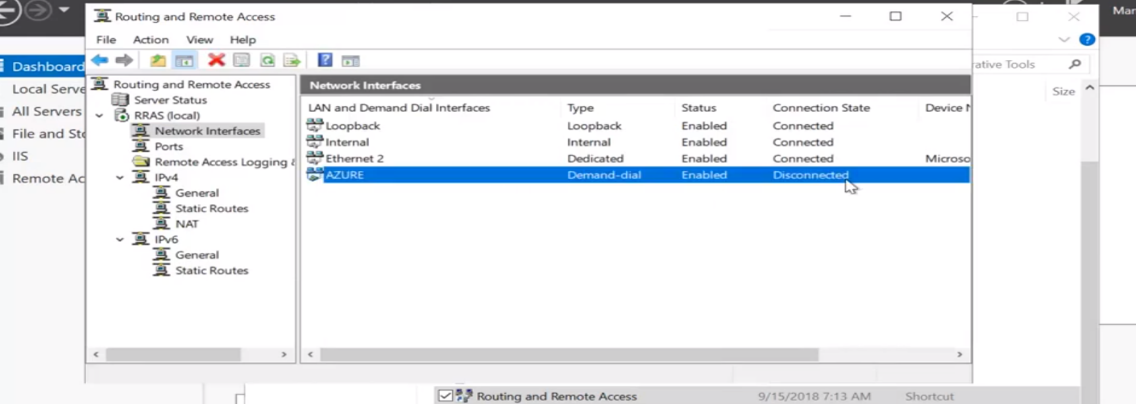


* Click static routers Then “Right Click” new.





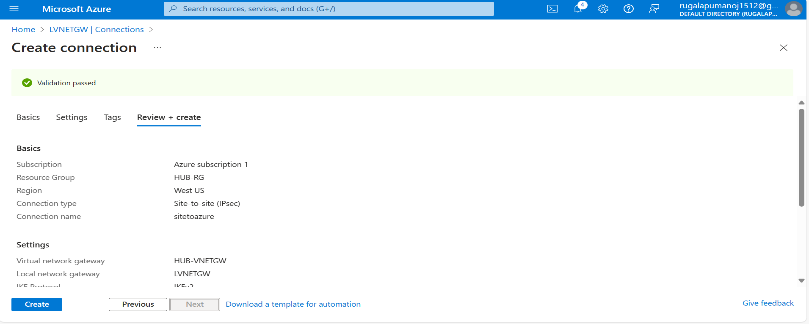
* Let we connect Site-site vpn.



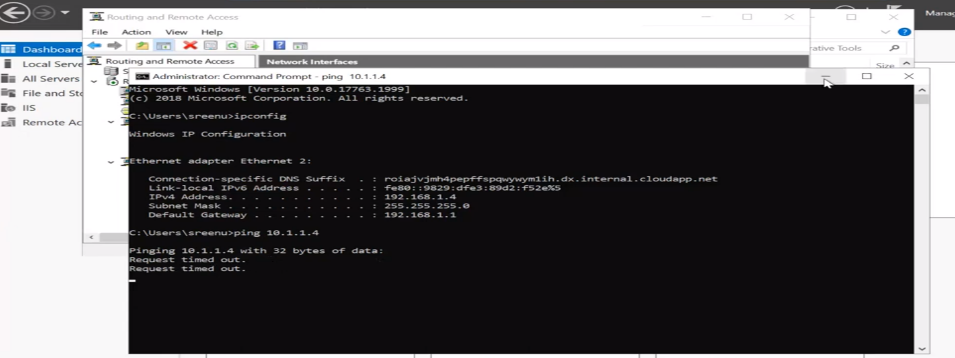
It’s not connected.

Create a connections:

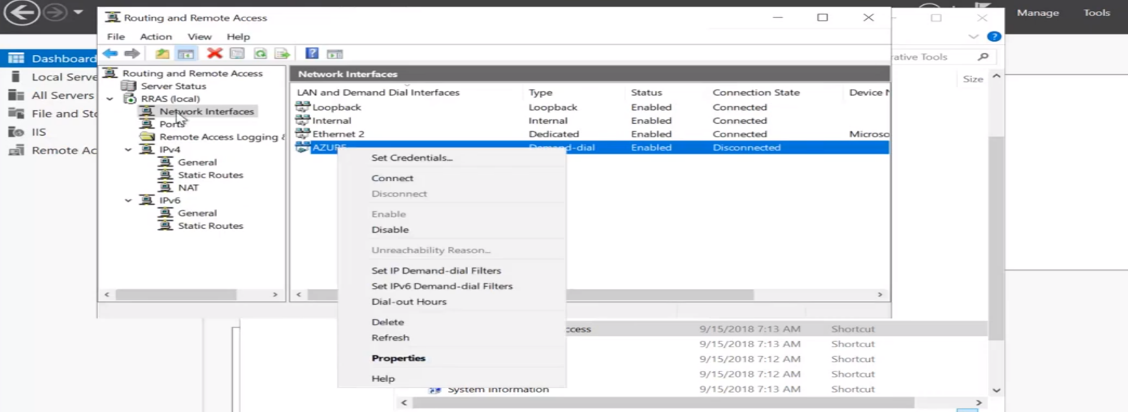
* Create a connection in azure portal.



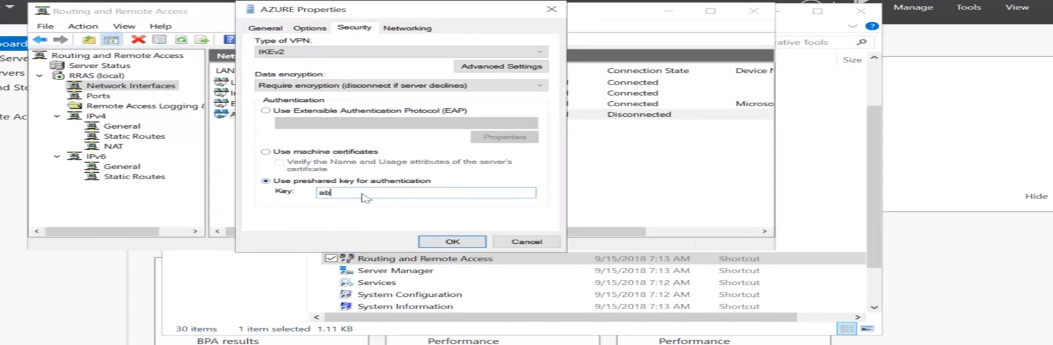
* Let open window server “Click ” CMD.
* Commad : ipconfig



* Open azure then “Right ”Click and go to properties.



Then click security.



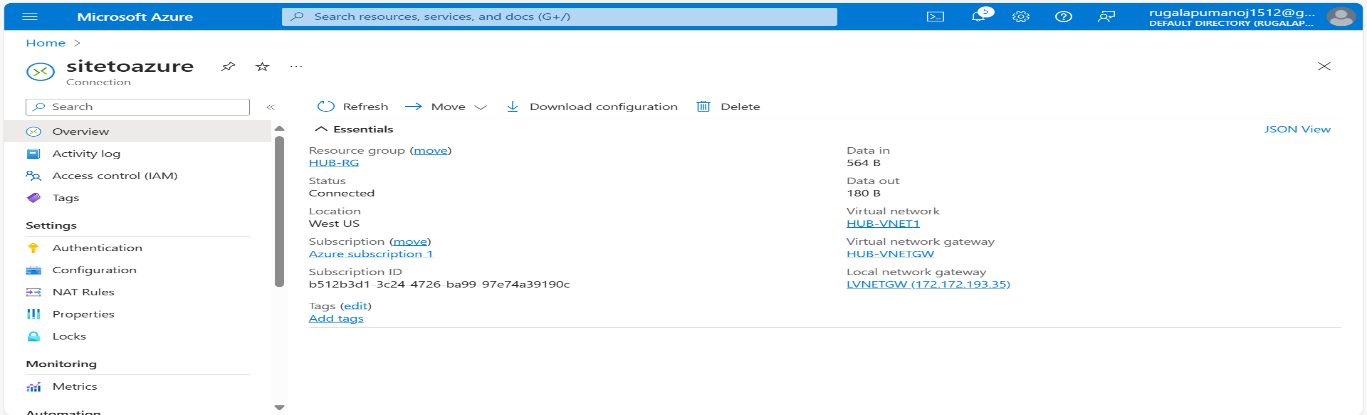
Yes It’s connected. And to verify use cmd.

Command : ipconfig, ping10.1.1.4

Its verified.







* It is Implemented and Verified Site-to-Site VPN Connection.