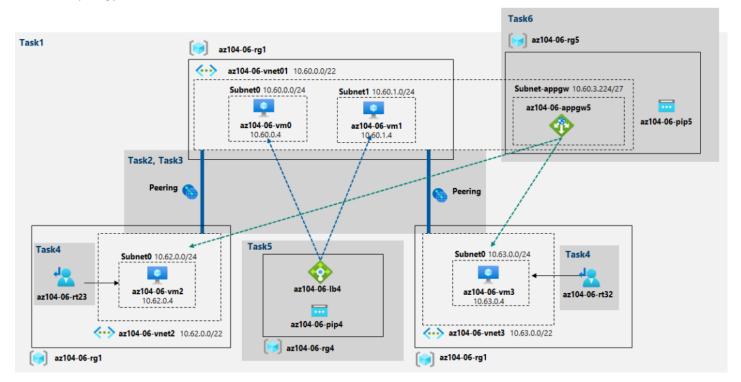
Implement Traffic Management

Topology 1.0:



Solution of Implement Traffic Management step by step:

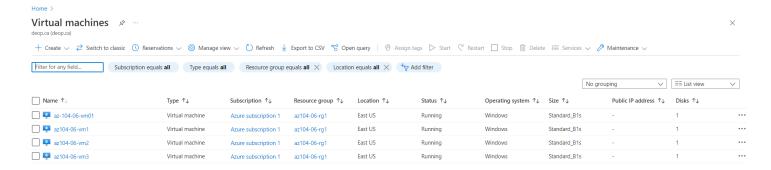
- 1. Provision the environment
- 2. Configure hub and spoke network topology
- 3. Test transitivity of virtual networking peering
- 4. Configure routing in the hub and spoke topology
- 5. Implement Azure Load Balancer
- 6. Implement Azure Application Gateway

Step 1:

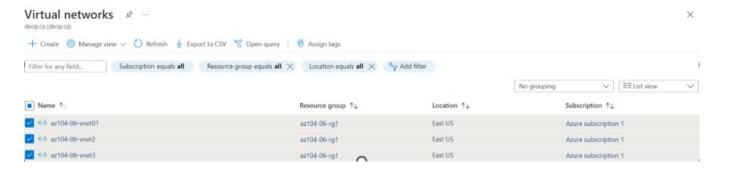
Created 4 virtual machines from azure portal according to the Topology 1.0;

- be careful vnets and subnets configurations
- there is no public ip on the vm's
- don't forget to save-download your json files
- all vm's will be in the same rg
- NEXT 6 pictures (1A...1G) show VMs, VNETs and RG configuration.
- On the file storage part on GitHub, you can see-download ARM templates as a separate file.

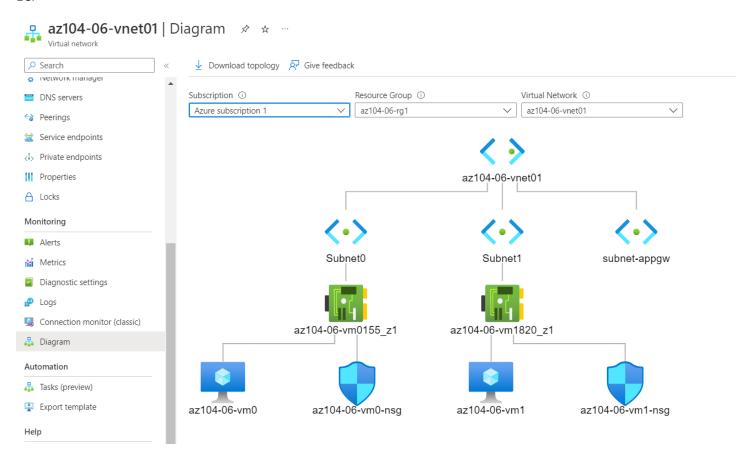
1A.



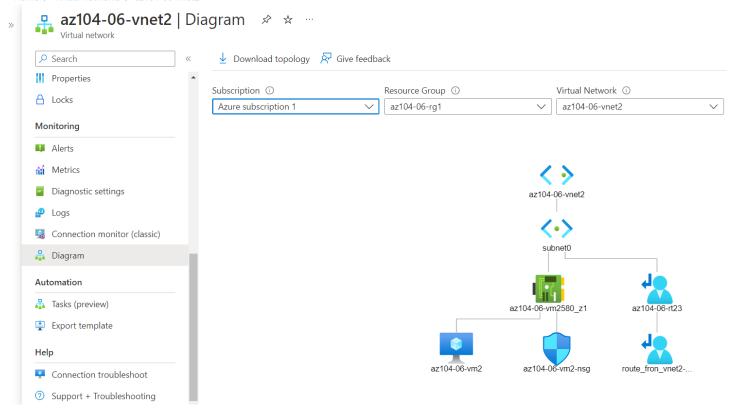
1B.



1C.

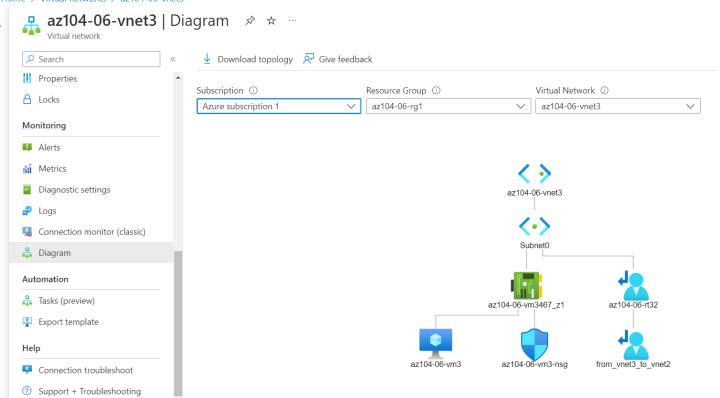


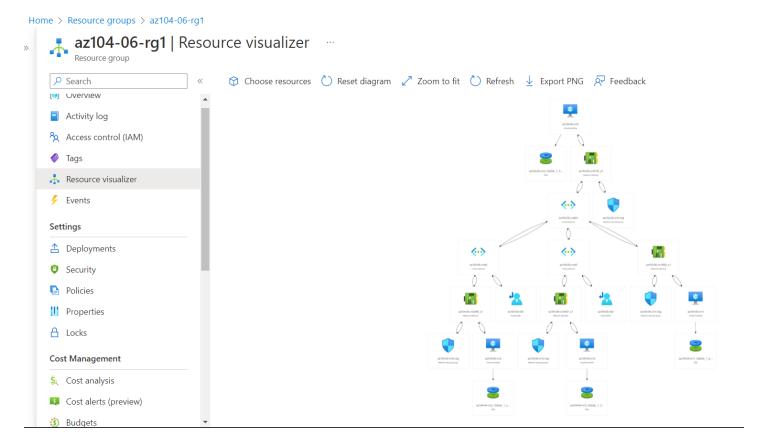
Home > Virtual networks > az104-06-vnet2



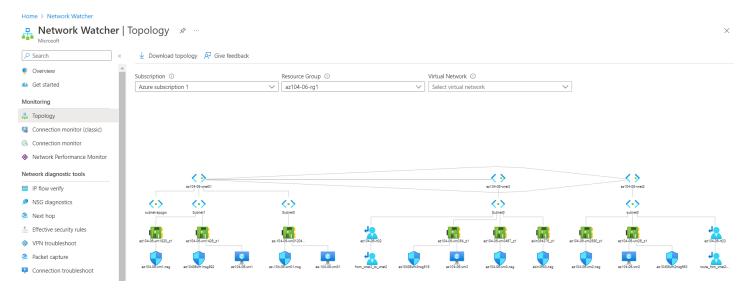
1E.

Home > Virtual networks > az104-06-vnet3





1G.

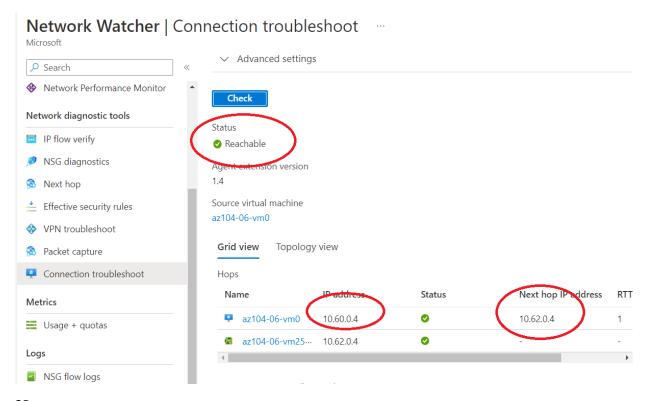


Step 2-3:

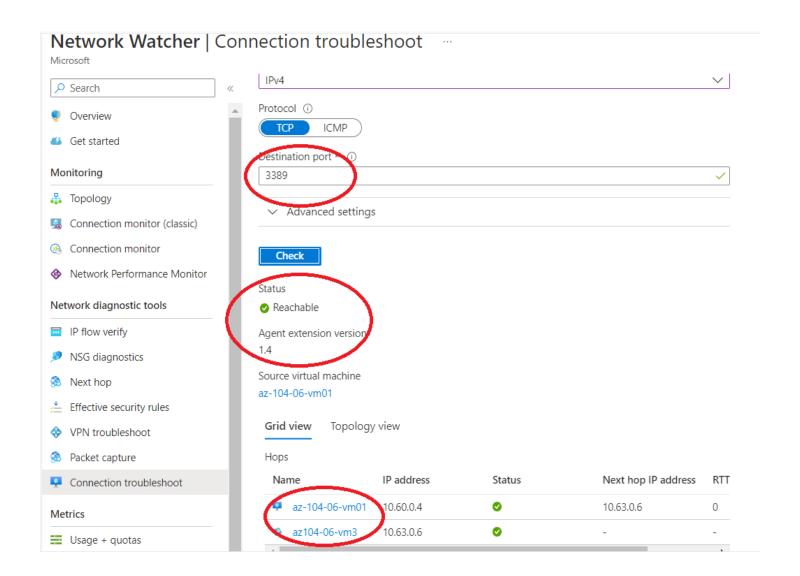
Created 2 VNET peering between vnet01-vnet2 and vnet01-vnet3 like on the Topology 1.0;

- ❖ After setting up 2 peering check the connectivity between them.
- To check the connectivity is used **Network Watcher** (after altering the NW on the left pane use connection troubleshooting)
- Next 2 pictures (2A-2B) demonstrated the connectivity, all details on it

2A.



2B.



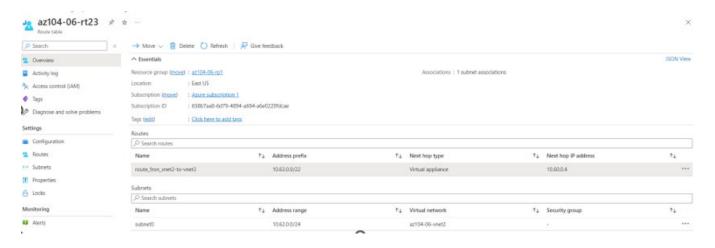
Step 4:

Created 2 route table which are route_from_vnet2-to-vnet3 and from_vnet3_to_vnet2.

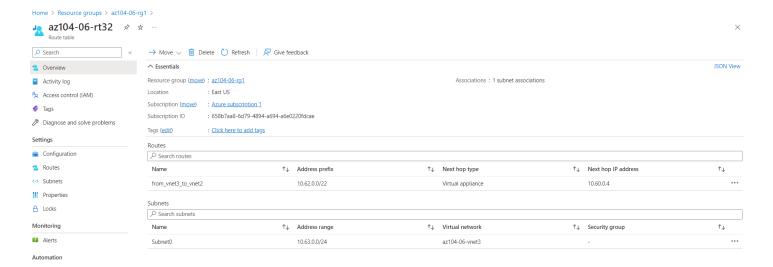
Topology 1.0;

Configuration, Next hop type and Next hop IP address is shown on the pictures (3A-3B)

3.A



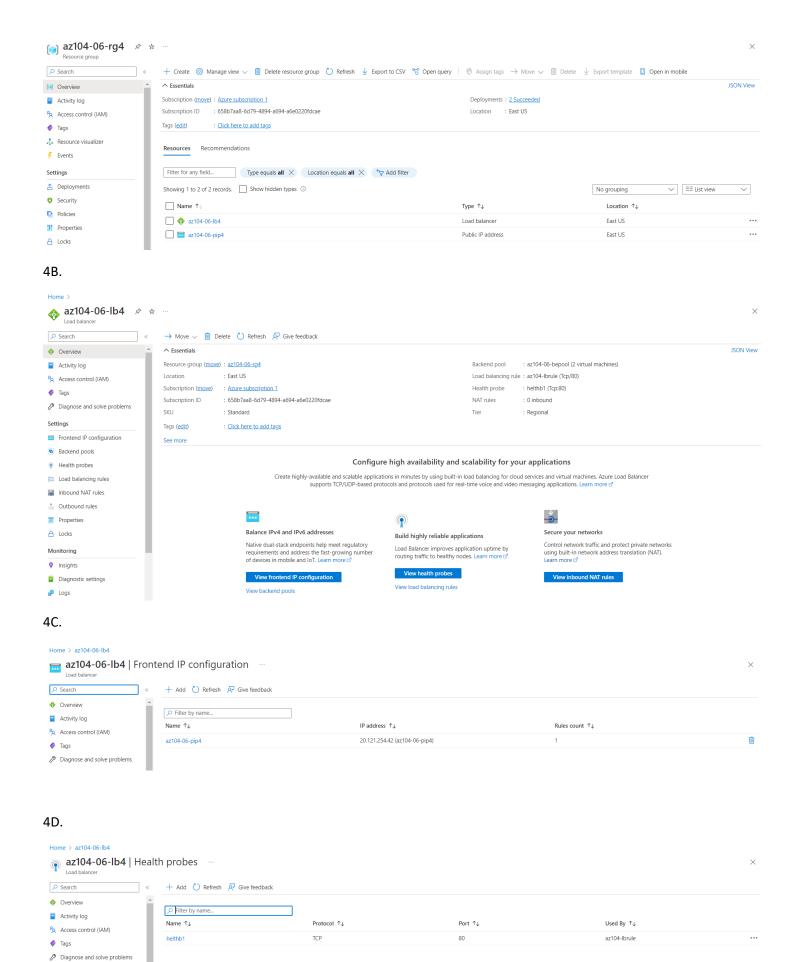
3.B



Step 5:

Implemented Azure Load Balancer on vm0 and vm1 and named az104-06-lb4 like on the Topology 1.0;

- Implementation take placed on the resource group 4 (rg4)
- Public ip assigned to the Load balancer which is called az104-06-pip4
- Configuration is shown on the picture(4A...4D)
- There is no NAT rules

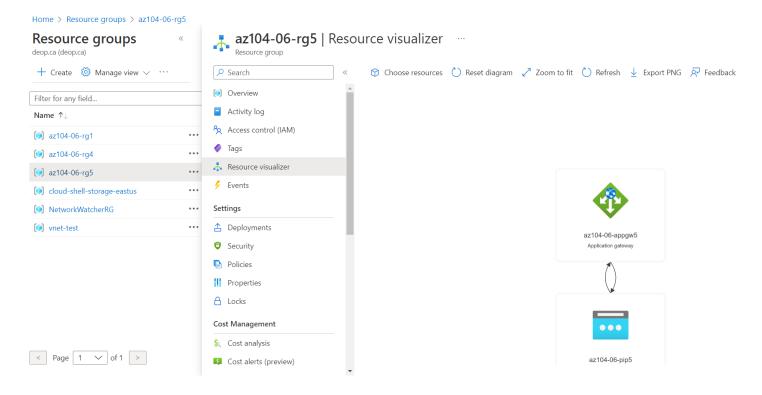


Step 6:

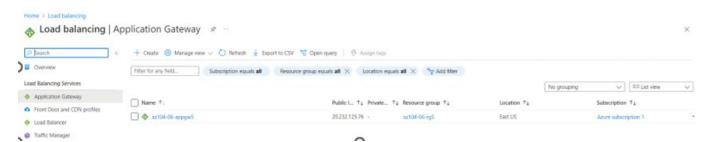
Implemented Azure Application Gateway on vm0 and vm1 and named az104-06-lb4 like on the Topology 1.0;

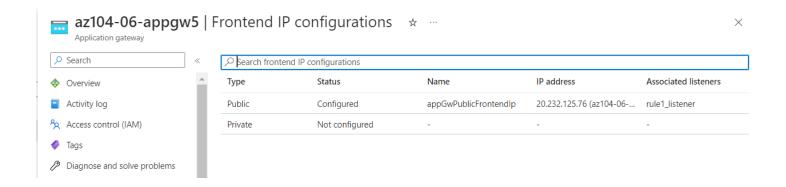
- Implementation take placed on the resource group 5 (rg5)
- Public ip assigned to the Load balancer which is called az104-06-pip5
- Configuration is shown on the picture(5A...5D)
- There is no NAT rules

5A.

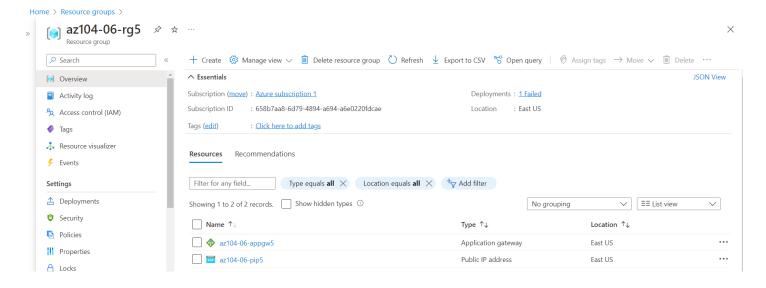


5B.





5D.



Final:

All configuration in a map.



THANK YOU FOR YOUR TIME