Module 7: Hands-On: Creating an Internal Load Balancer

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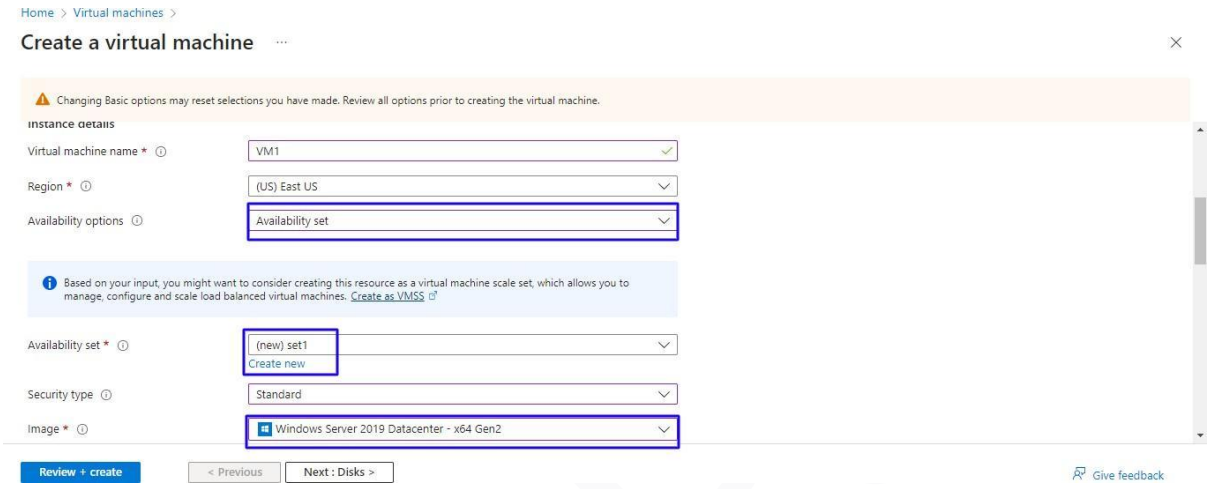
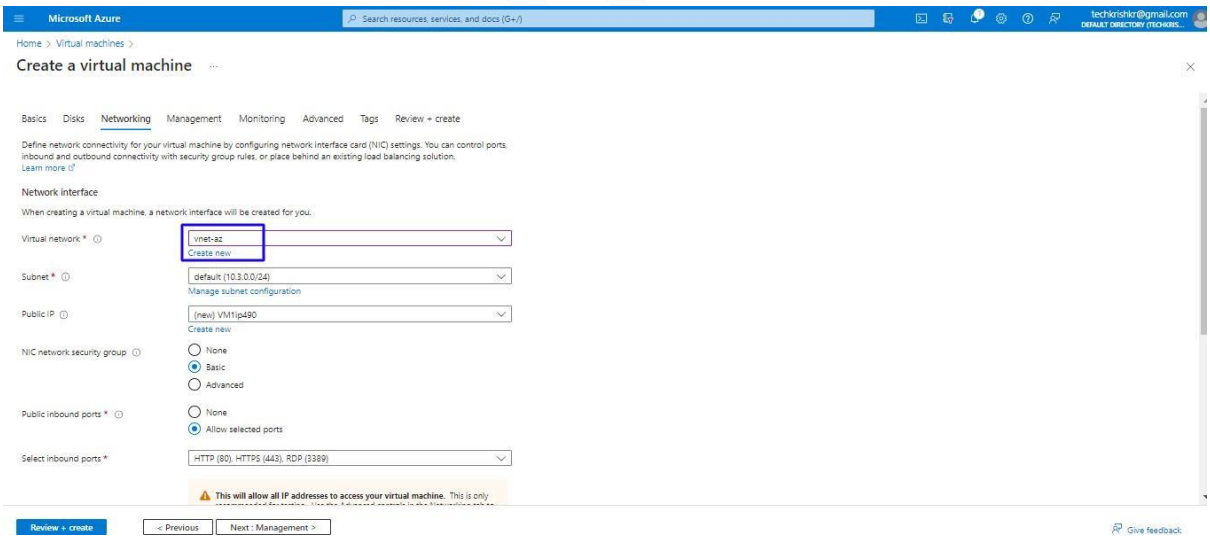
Step 1: Create three Windows Virtual Machines (VM1, VM2, Internal VM) with same resource groups, region and VM configuration that is Windows 2019 datacenter Gen2, having the size of 2 vCPU and 16 GiB and all should be present in Availability set.



Step 2: All the three VMs should be present in same VNet

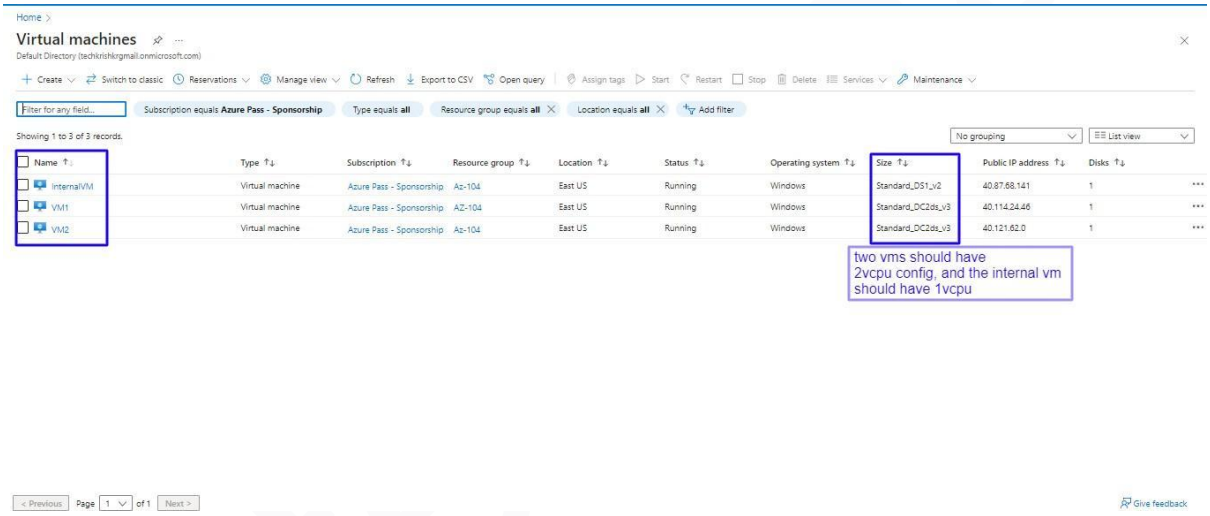


Step 3: After the creation of all three VMs, launch both the VMs named VM1 and VM2 and install IIS web server in it.

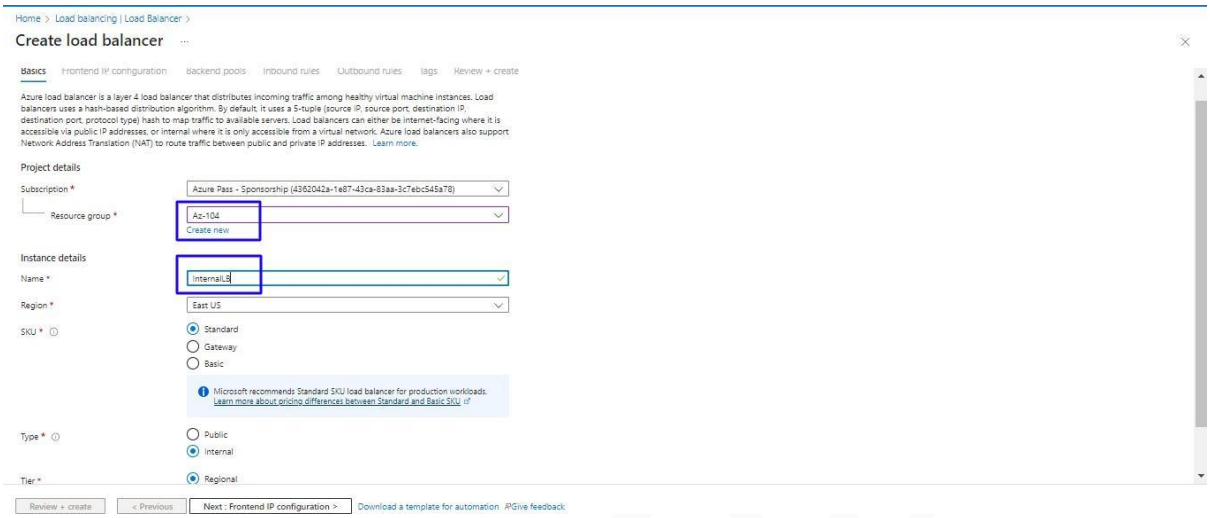
The third VM i.e. InternalVM will be used further to check if our Load Balancer is working or not.

Here, as you can see, three VMs are created . Two VMs with configuration of 2 vCPU and 16 GiB memory and one VM named as Internal VM is 1 vCPU and 1 GiB memory.

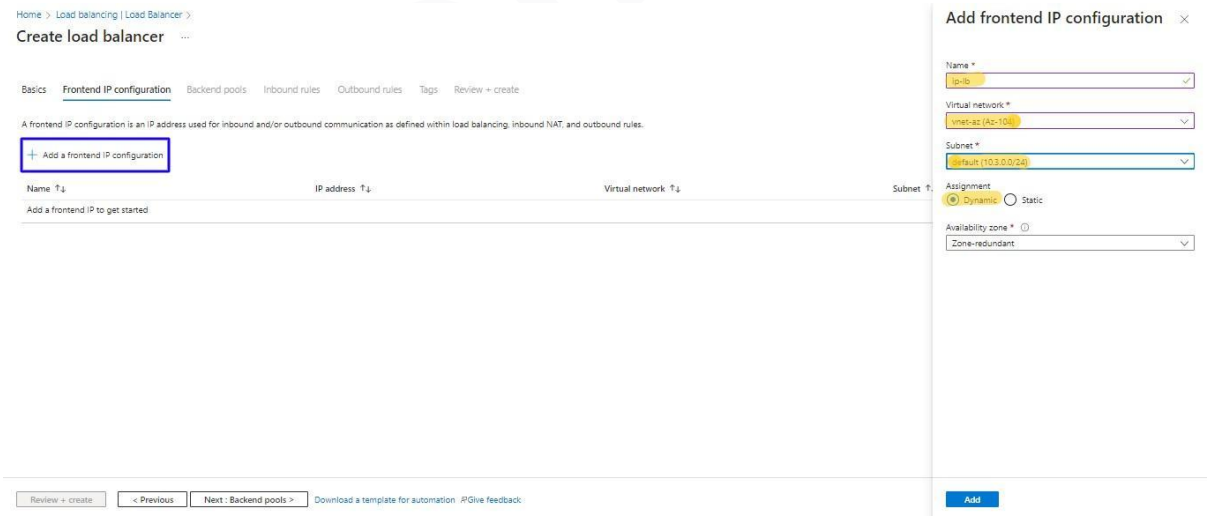
Note: It is done so because the Availability set can only have 5 vCPUs running in a Free Trial Subscription.



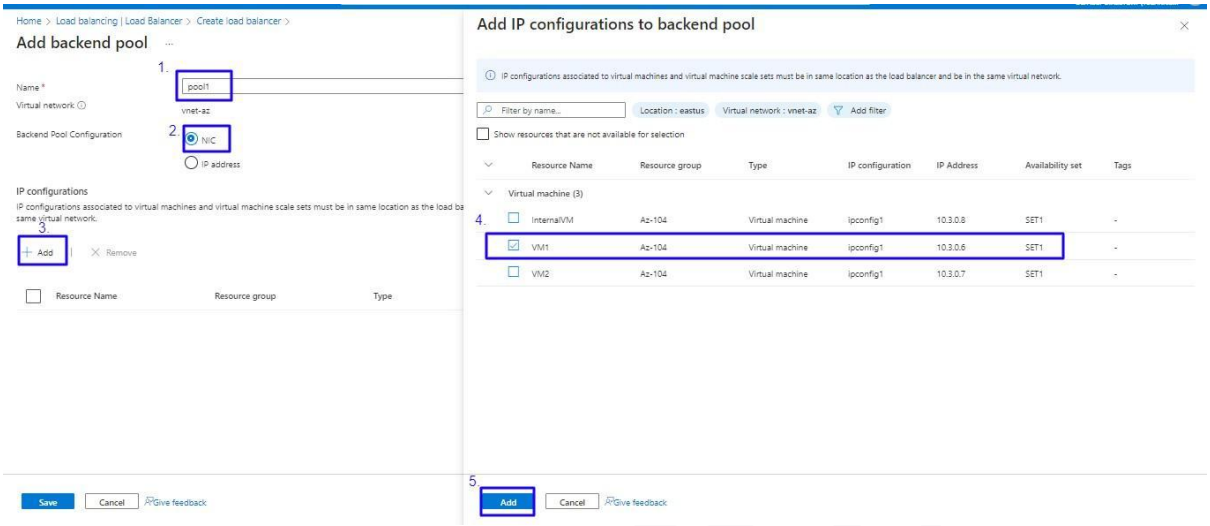
Step 4: After the creation of three Windows VMs, deploy a load balancer
Deploy the load balancer with same resource groups, same region, same VNet



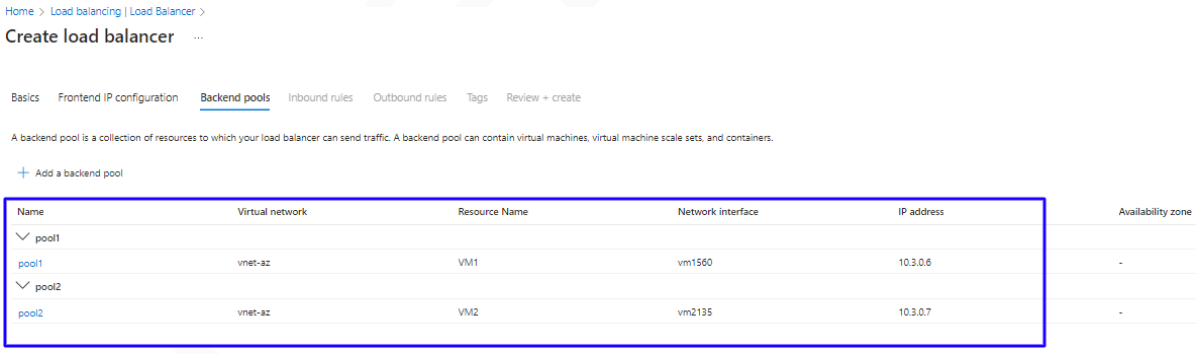
Step 5: Now, configure the frontend IP configuration. Give a name to the IP, select the VNet and Subnet



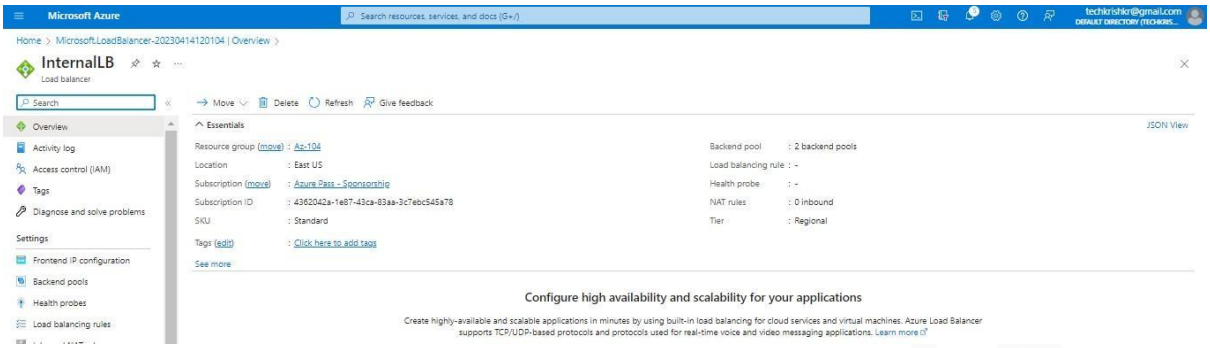
Step 6: Next we will configure the backend pools for the VMs



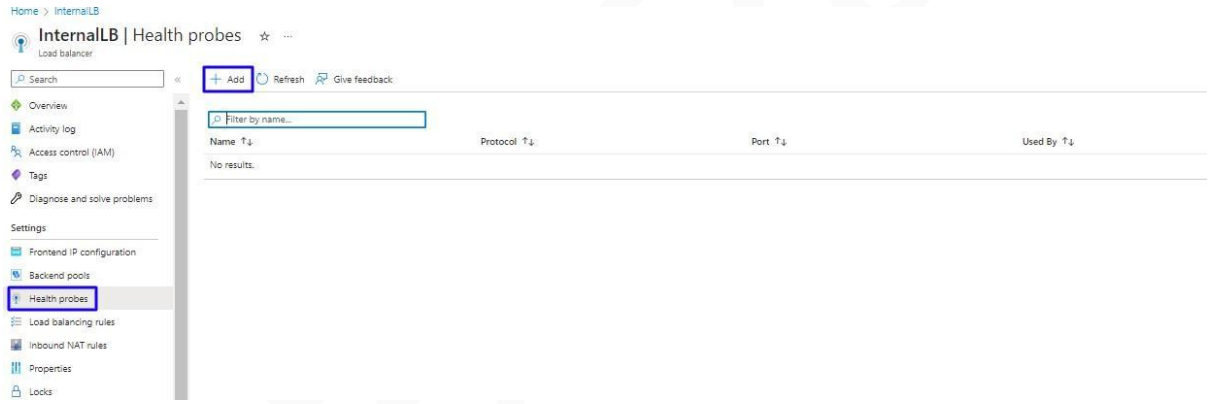
As there are two VMs, therefore, we need to add two pools in the same way we did for pool1.



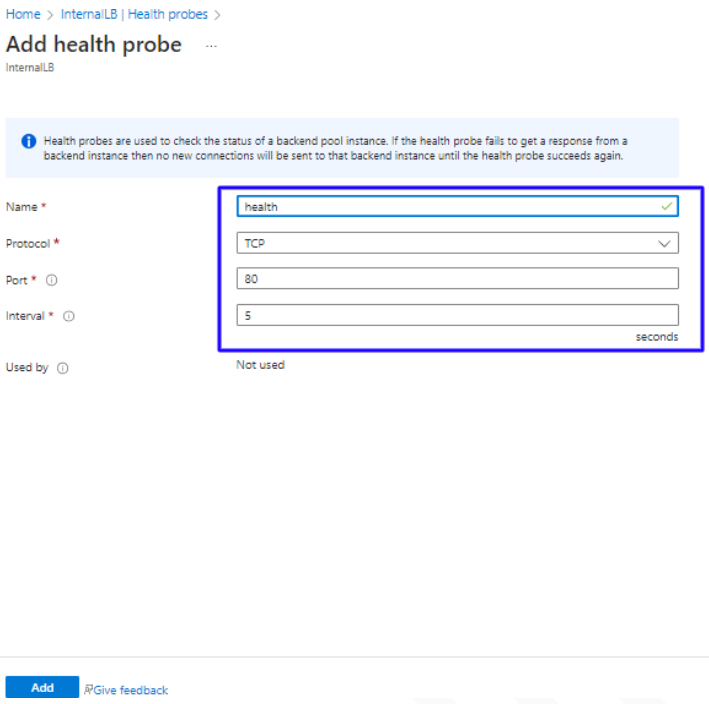
The load balancer is created.



Step 7: After creating the load balancer, you have to add a Health Probe to it



Configure Health Probe and then click on Add



Step 8: Now we have to add load balancing rules

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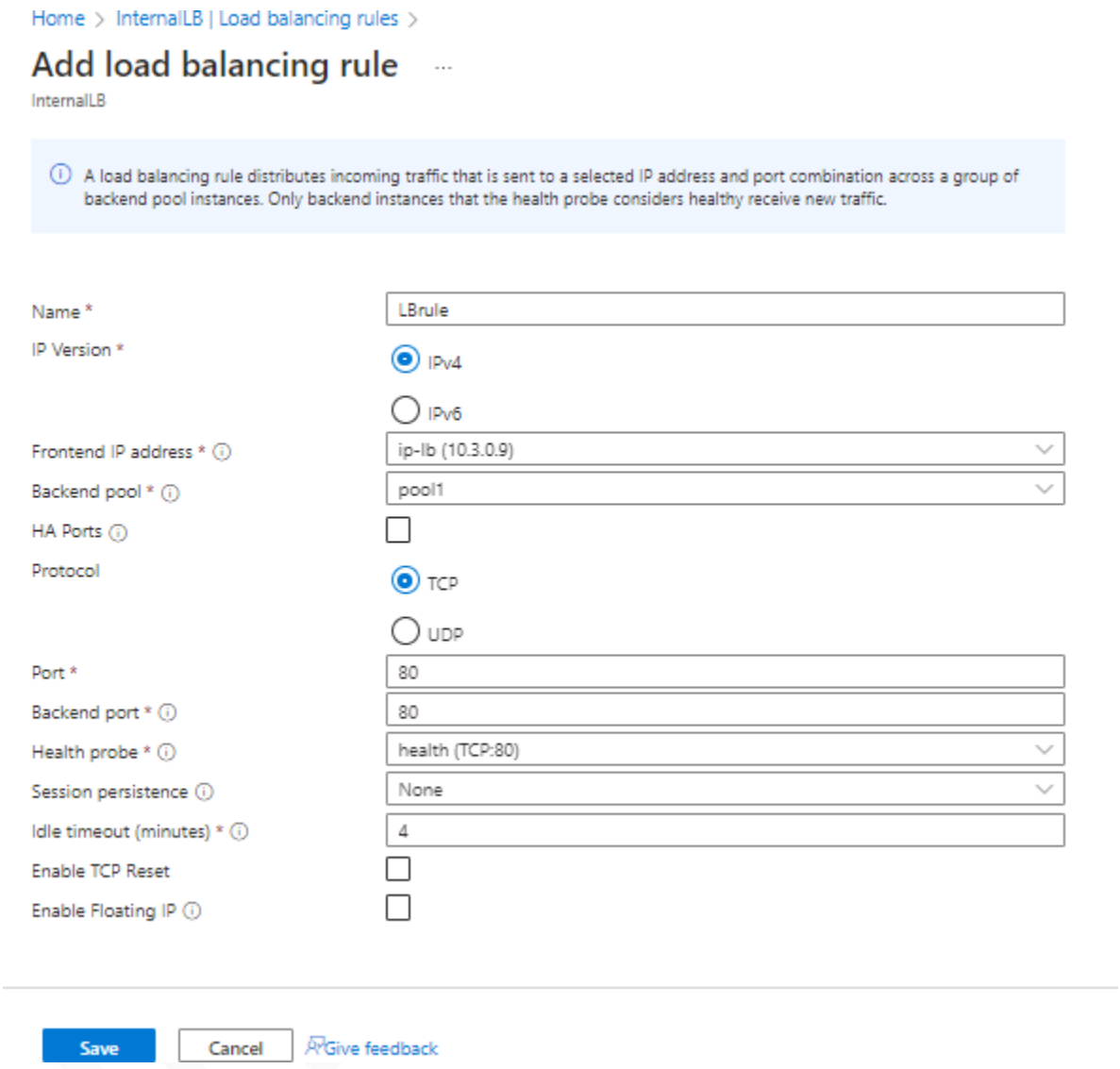
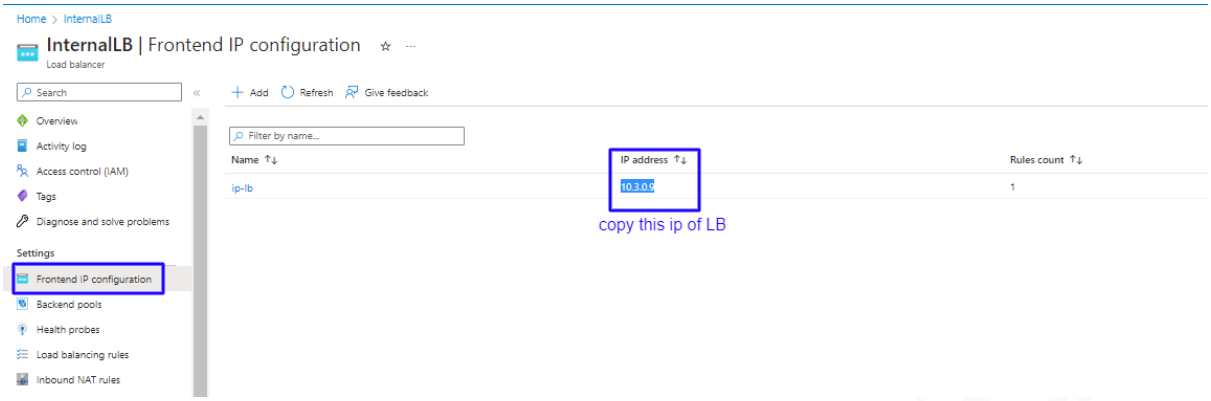
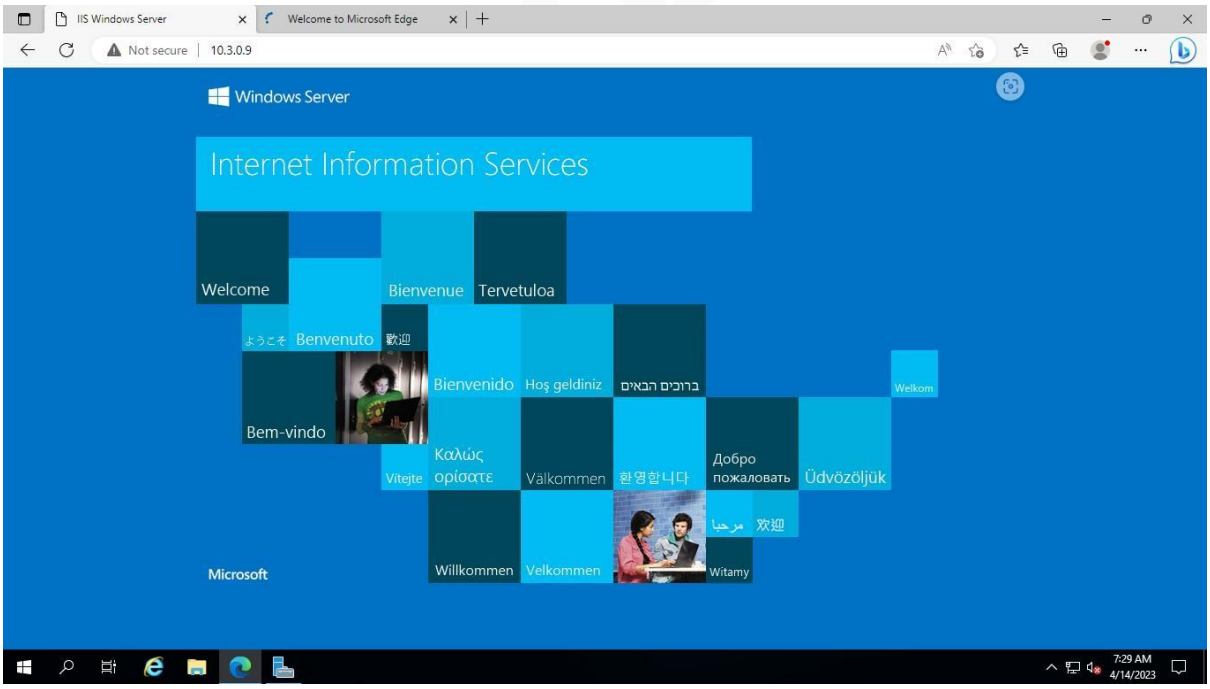
Enter the details for LB, after that click on Save



Step 9: Now search for Frontend IP configurations on the left side of panel and copy the IP address of the load balancer



Step 10: After copying it, paste it in the Internal VM (also called testing VM) to check if the LB is working or not. Paste the IP address here in the browser of Testing VM i.e., the third VM named as InternalVm



And here you can see the IIS page is displaying which indicates that the load balancer is working properly.