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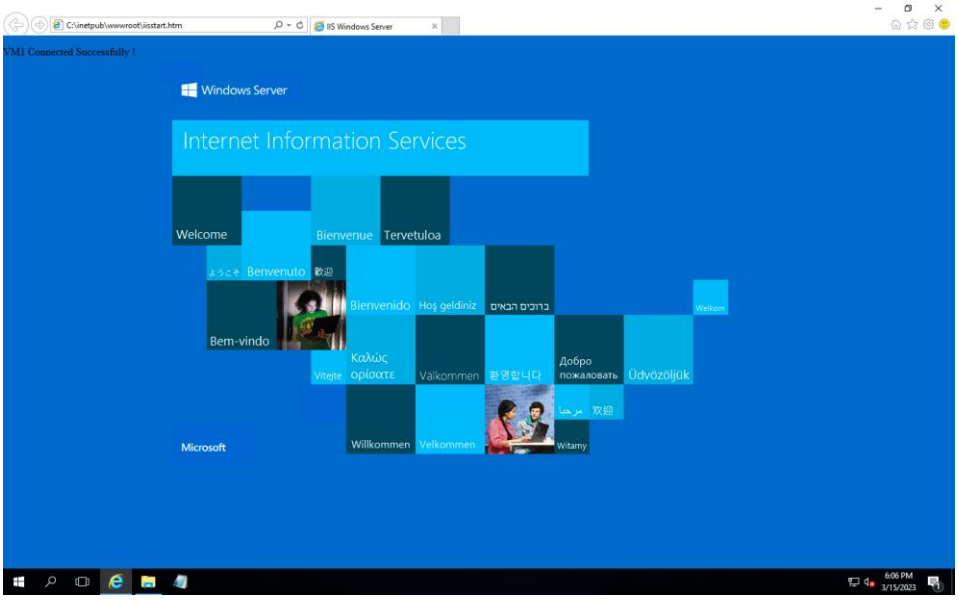
AZURE LOAD BALANCER

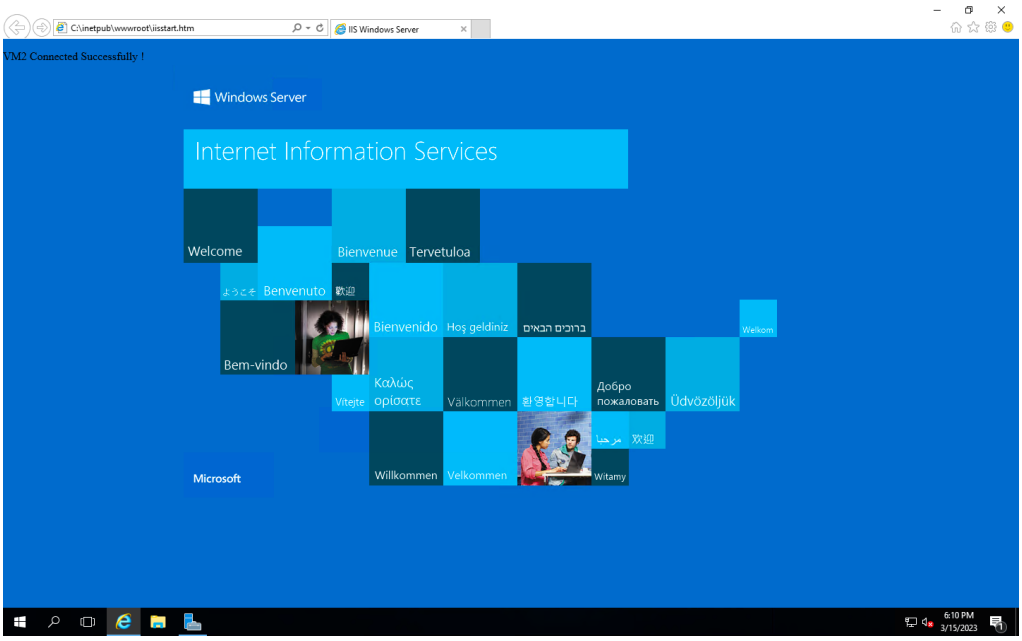
Load balancing refers to evenly distributing load (incoming network traffic) across a group of backend resources or servers.

Azure Load Balancer operates at layer 4 of the Open Systems Interconnection (OSI) model. It's the single point of contact for clients. Load balancer distributes inbound flows that arrive at the load balancer's front end to backend pool instances. These flows are configured according to load-balancing rules and health probes. The backend pool instances can be Azure Virtual Machines or instances in a Virtual Machine Scale Set.

Steps

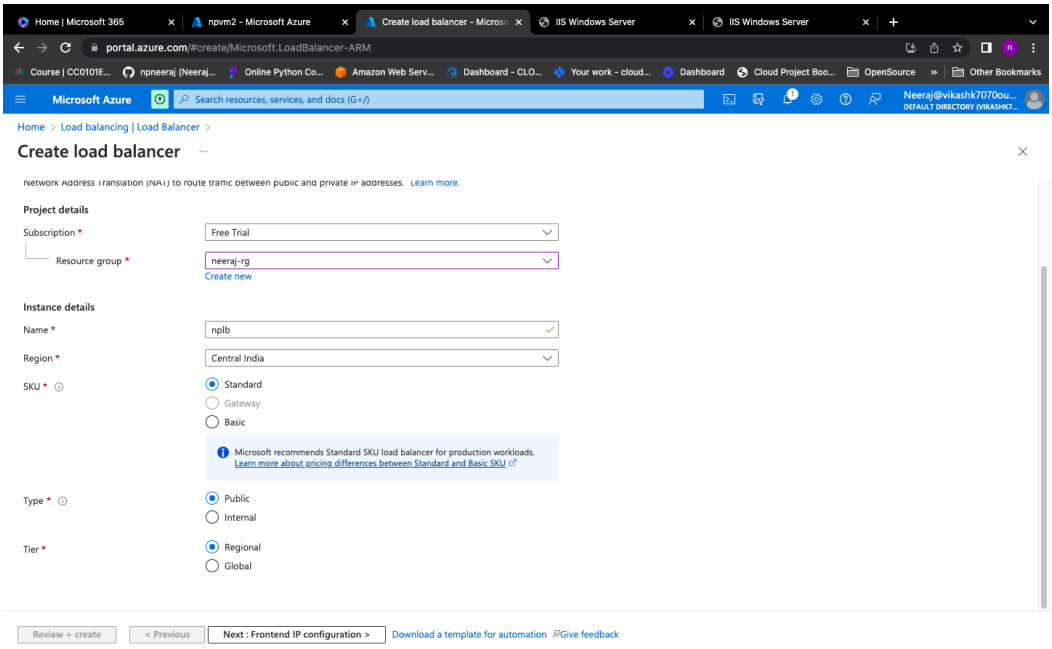
1. To create a public load balancer, we have to make two virtual machines and install windows IIS on it.
2. Download the **RDP** files of each VM (Virtual Machines) created & configure them.
3. Turn **Firewall Off** in each VM & install windows IIS on both.
4. Navigate to the **iisstart.html** file on both & add a custom message to be served.



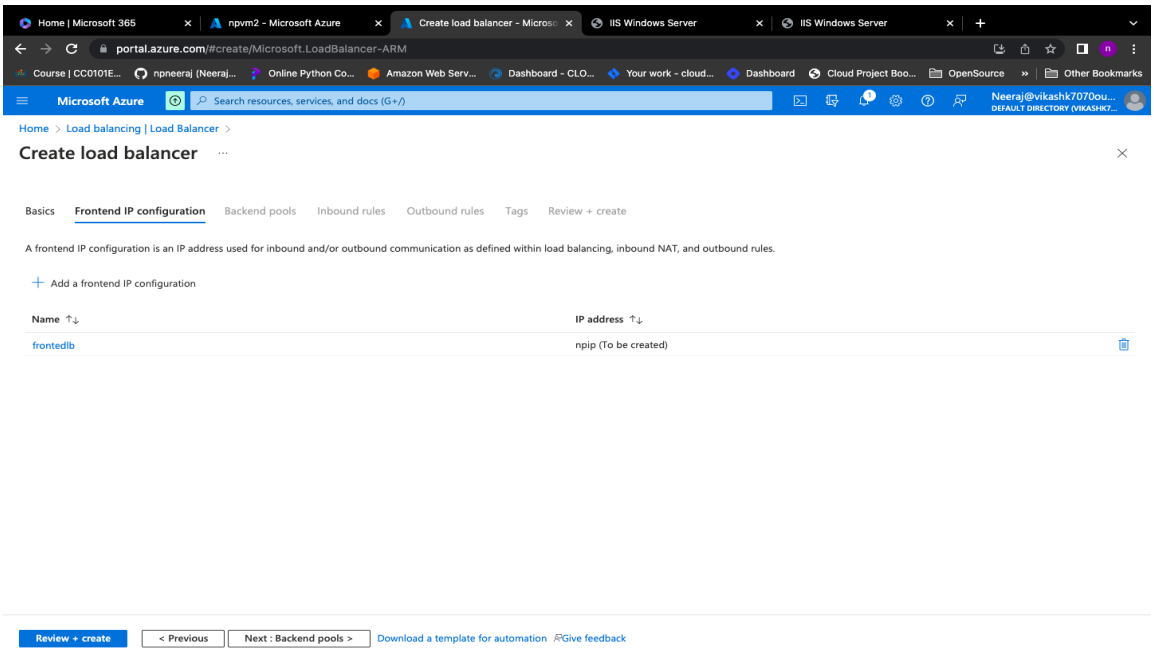


- VM2 IIS file is served on the browser, and we can see its custom message above.

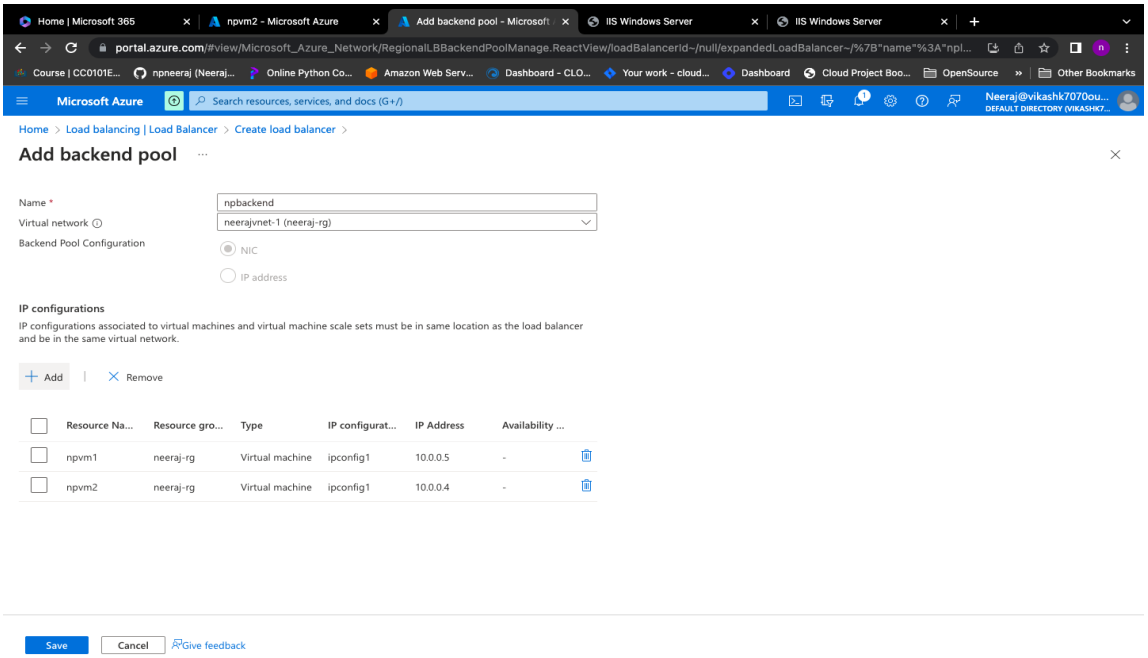
5. After making two Virtual machines, go to load balancer and create a load balancer.



- Fill in the required details, then click on Frontend IP (Internet Protocol) configuration.

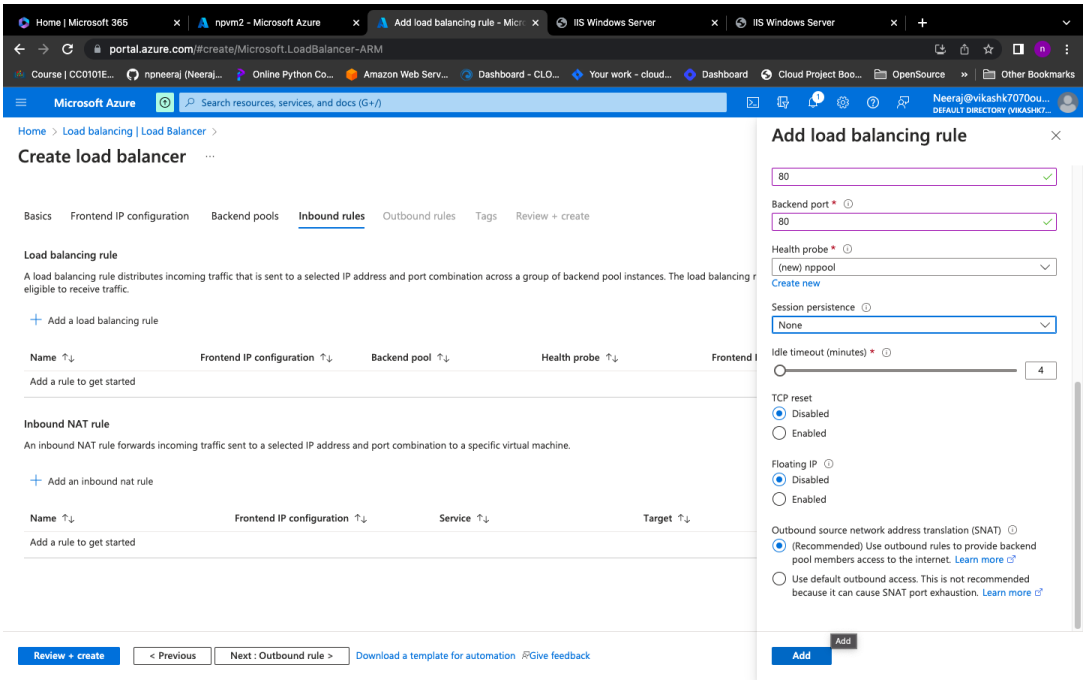


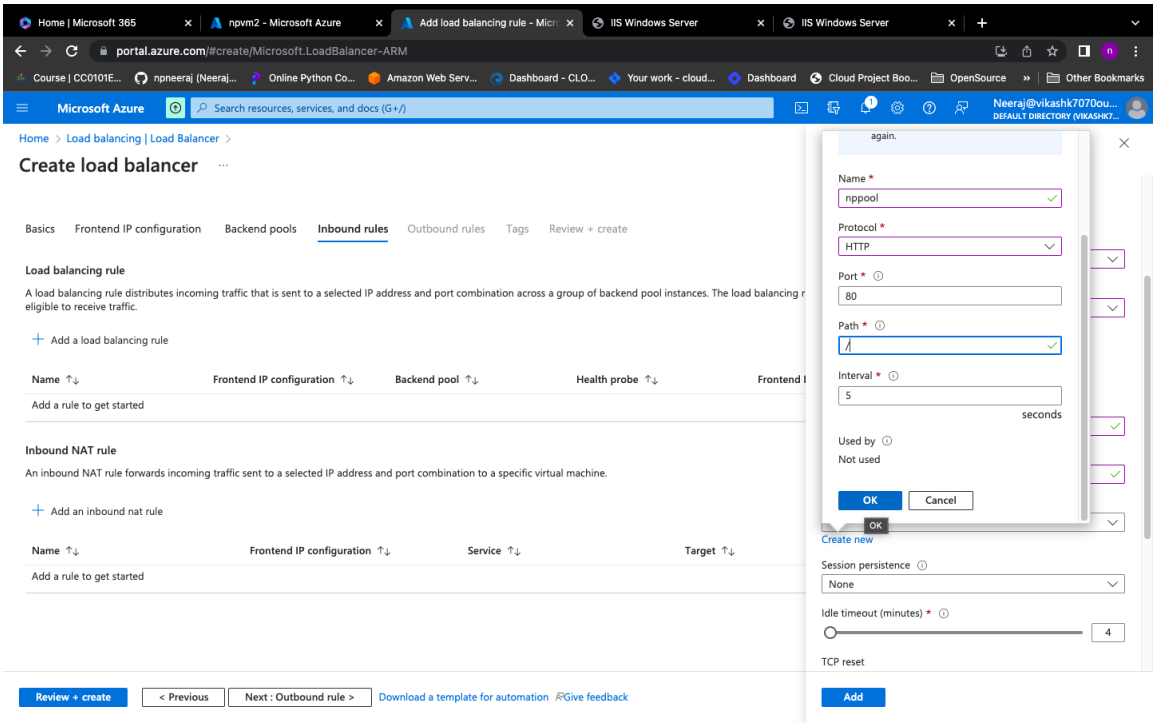
- Add the frontend IP configuration and click on the Backend pools.



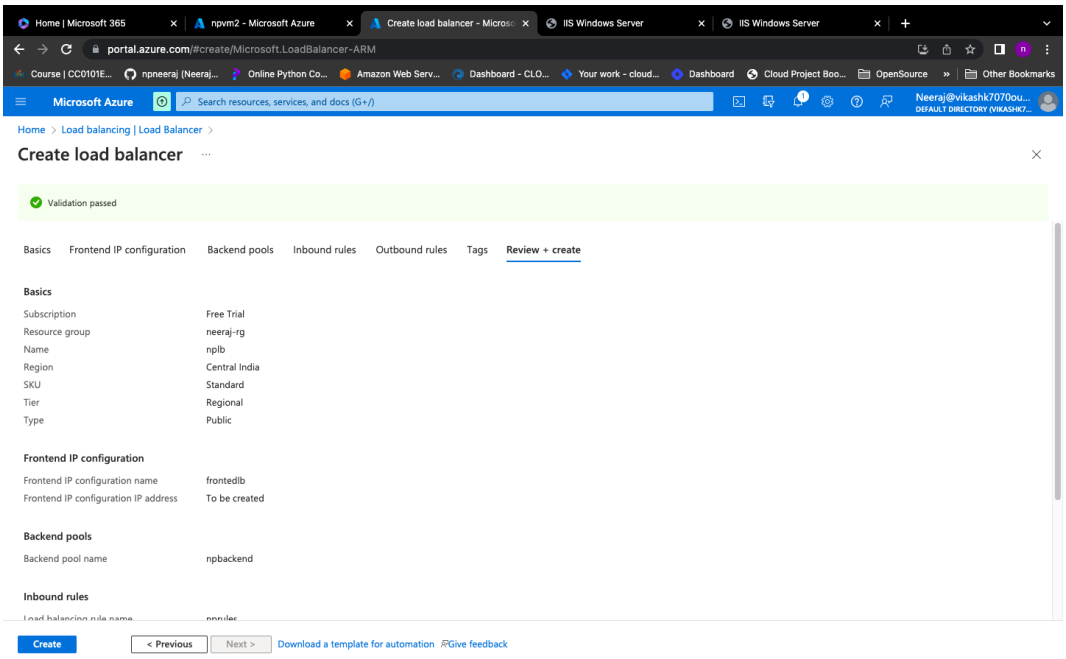
- Add a backend pool using NIC or IP addresses.

Navigate to **Inbound Rules** to create a **load balancing rule.**

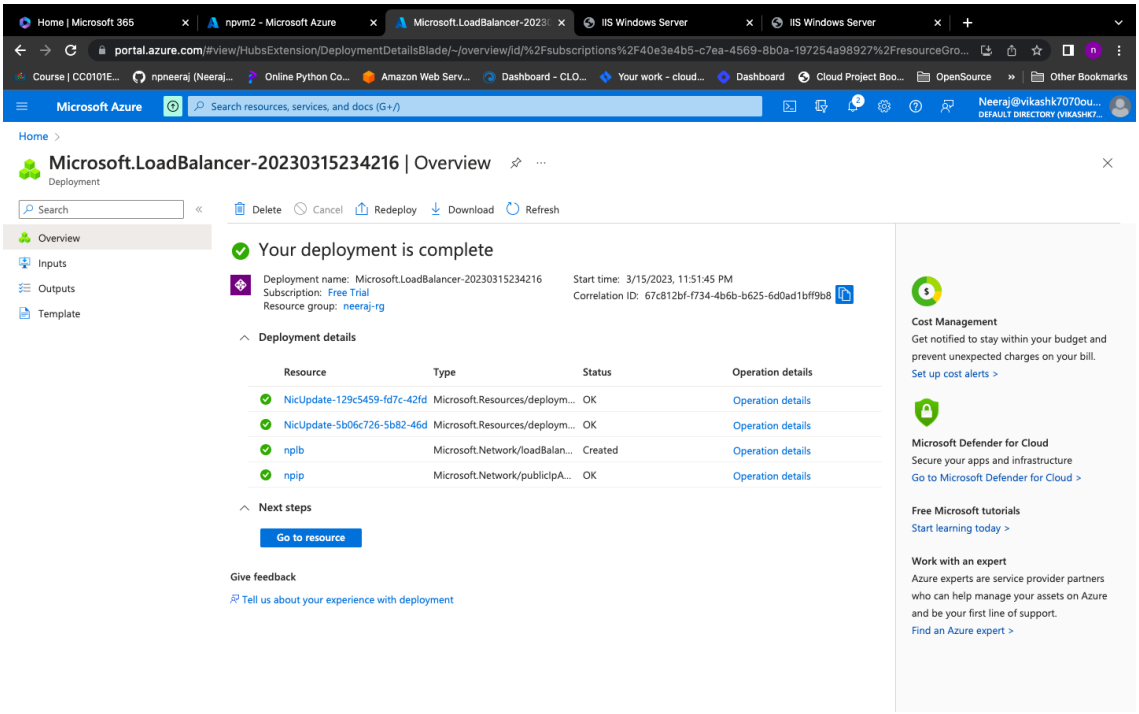




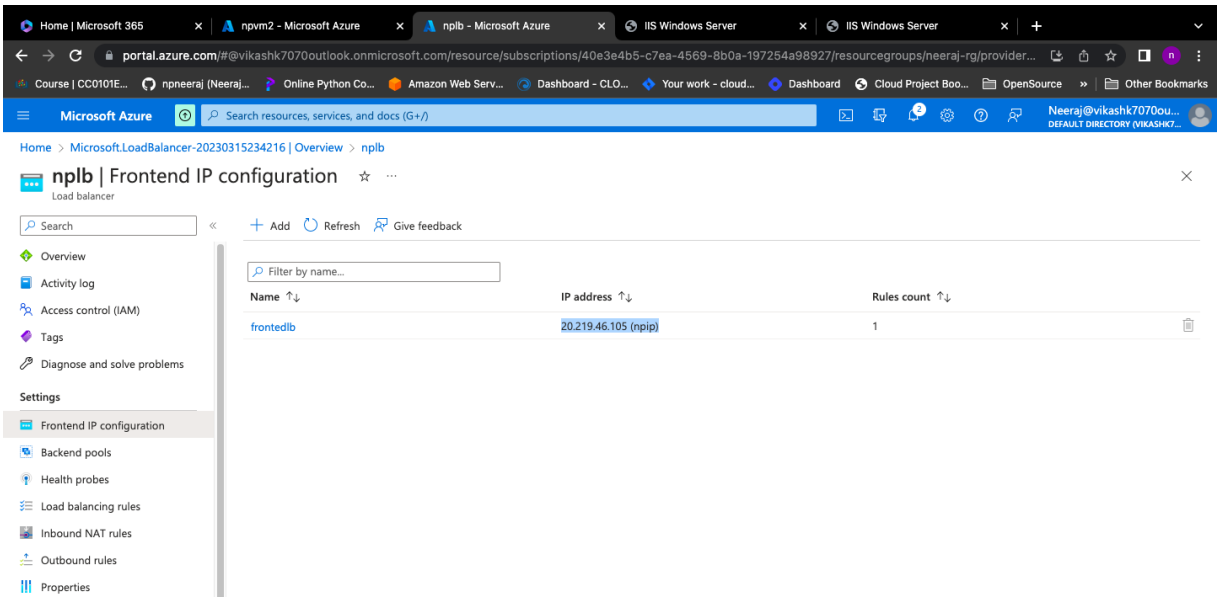
Click on **Create** to add Load Balancer.

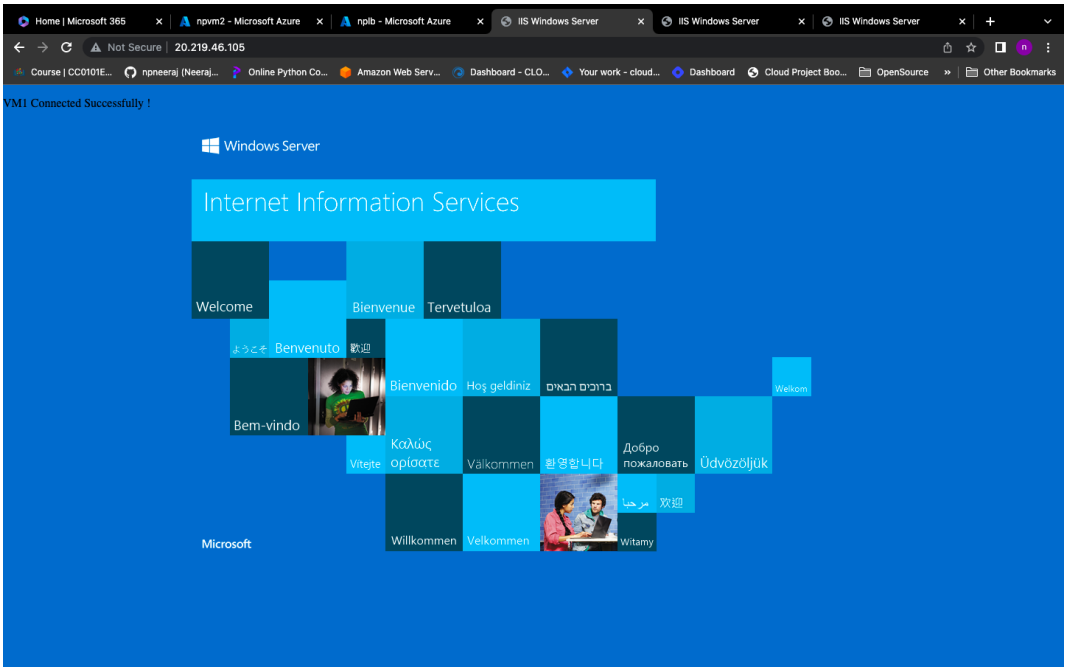


Load Balancer Created Successfully!



Now, Copy the **frontend Ip** address and paste on the browser.





- After 5 minutes, the page changes using the same IP address.