**Azure Load Balancer**

1. its use for balance the traffic.
2. Azure load balancer work for os layer 4.
3. Azure load balancer use for distribute traffic.it is distribute the incoming traffic.

### ****Azure Load Balancer components****

**Fronted IP:**

In Azure load balancer the term “fronted ip” refer to the public ip address that clients use to connect to the load balancer.

**Backend Pool:**

It is collection of virtual machines.

**Inbound rules:**

Inbound rules control incoming traffic to a network or system.

**Outbound rules:**

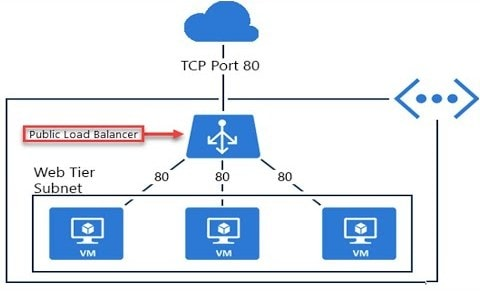
Outbound rules control outgoing traffic from a network or system.

**Health Probes:**

A health probe is for determining the health status of the instances in the backend pool.

**Public Load Balancer:**

[**public load balancer**](https://learn.microsoft.com/en-us/azure/load-balancer/components#frontend-ip-configurations) can provide outbound connections for virtual machines (VMs) inside your virtual network. Public Load Balancers are used to load balance internet traffic to your VMs.



**Internal Load Balancer:**

An internal load balancer direct traffic only to resources that one inside a virtual network or that use a vpn to access to azure infrastructure. A diagram of a computer

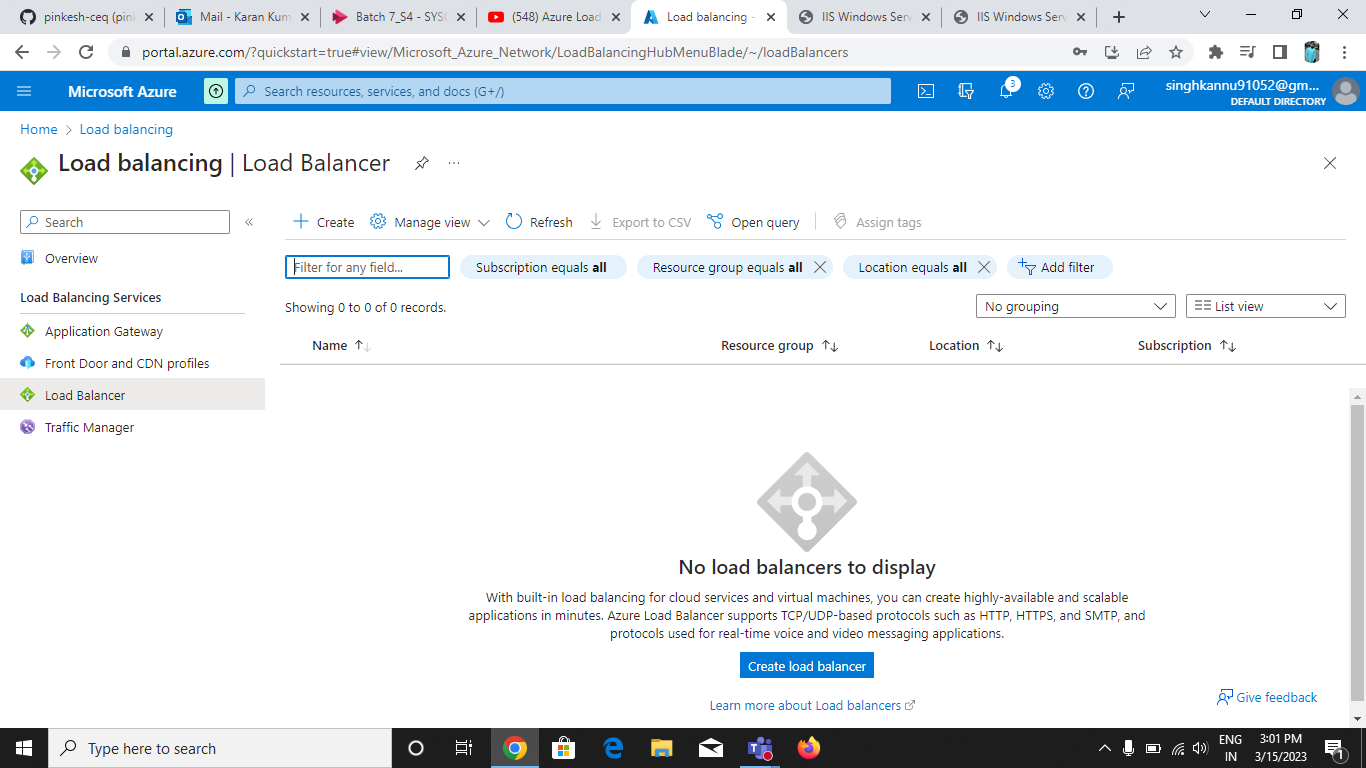
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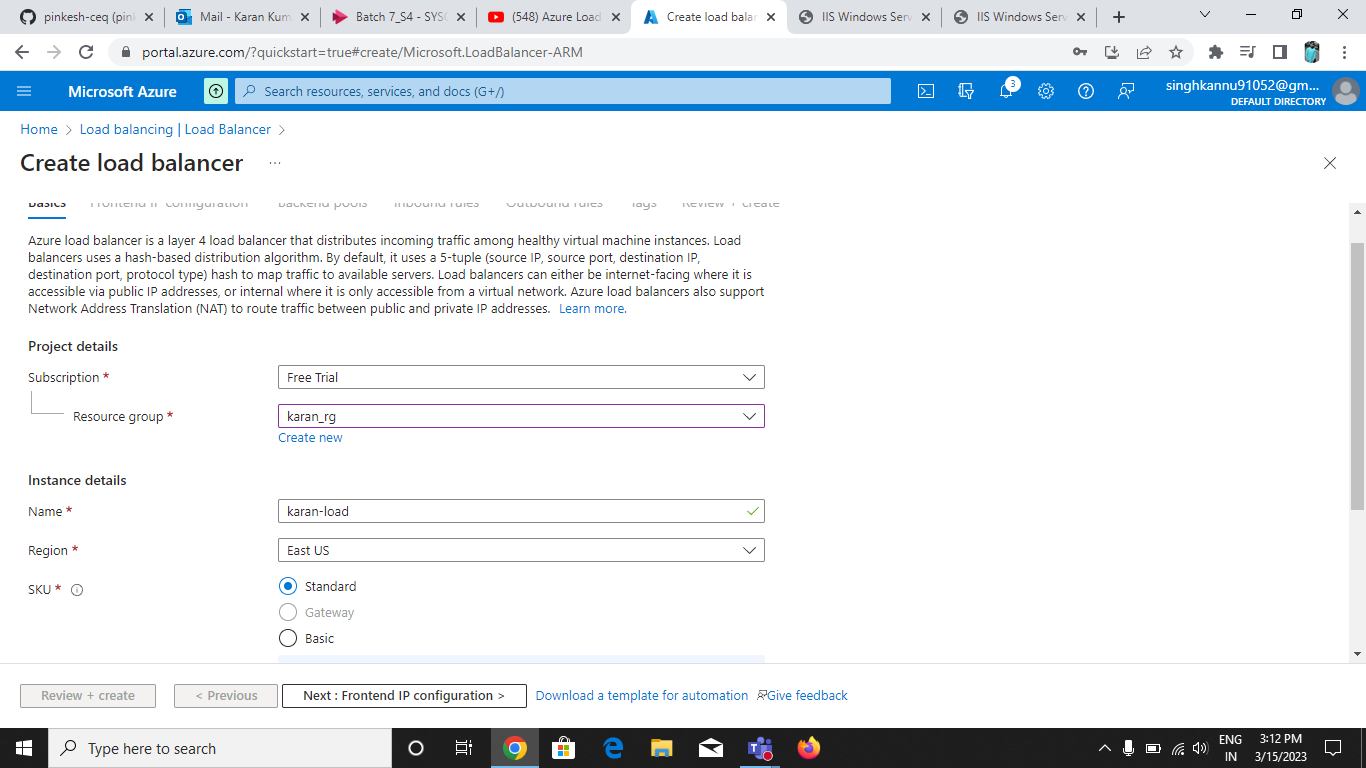
**Step 1:**

**First Create two virtual Machine in Azure portal**

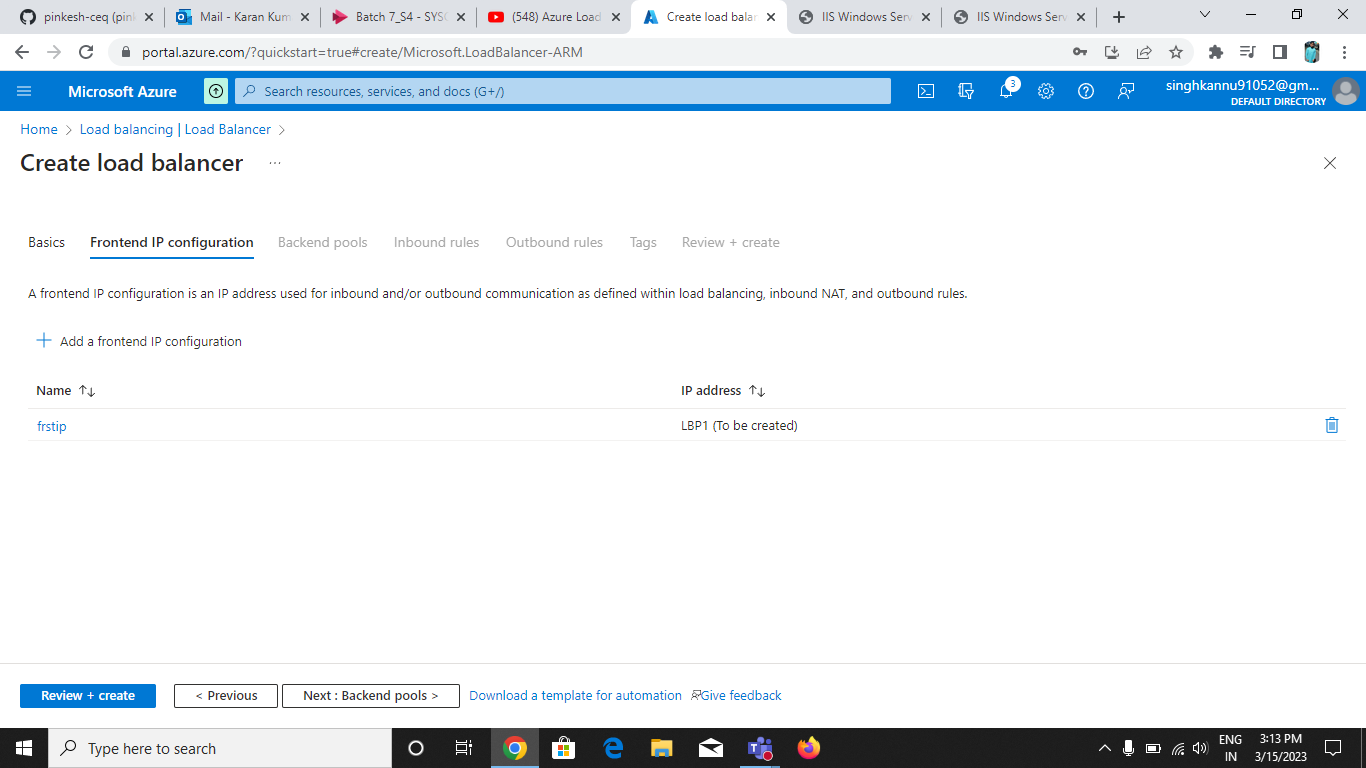
**Step 2:**

**Create load balancer**

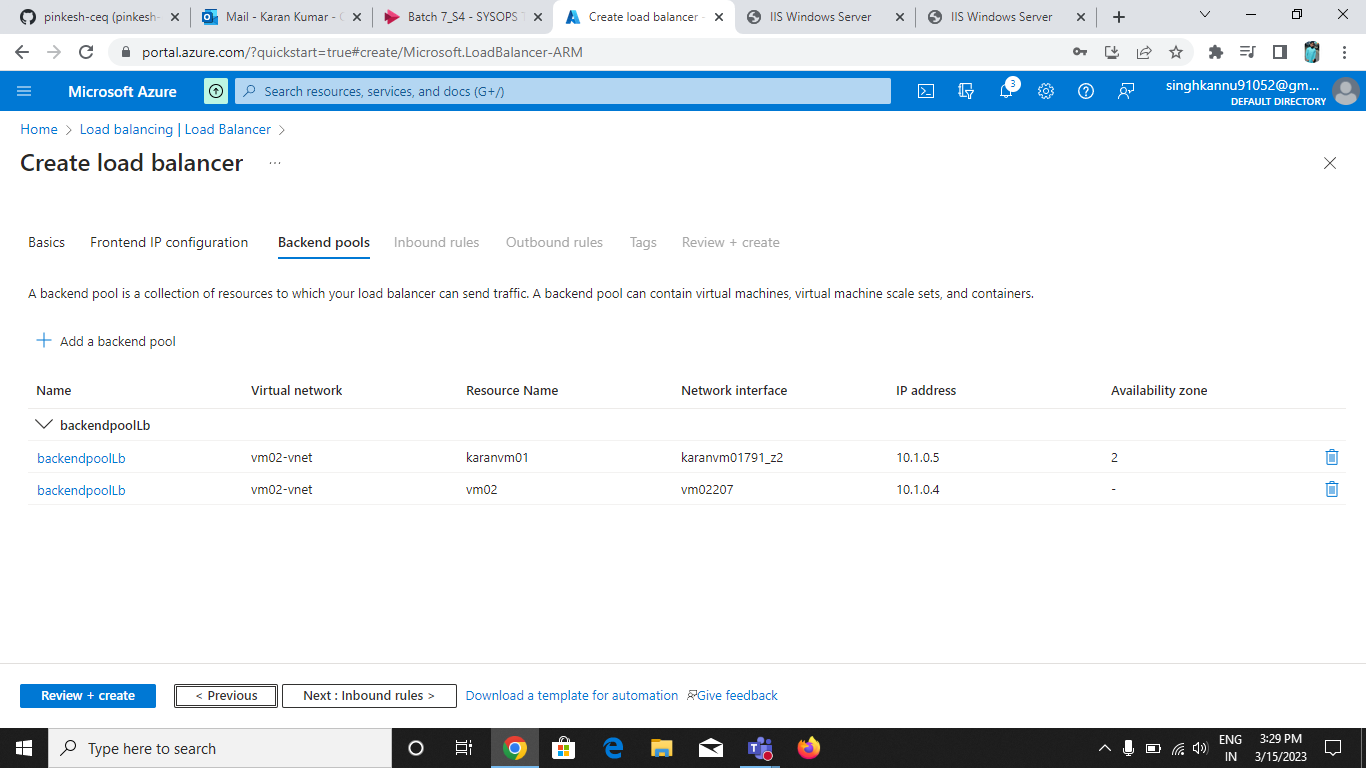
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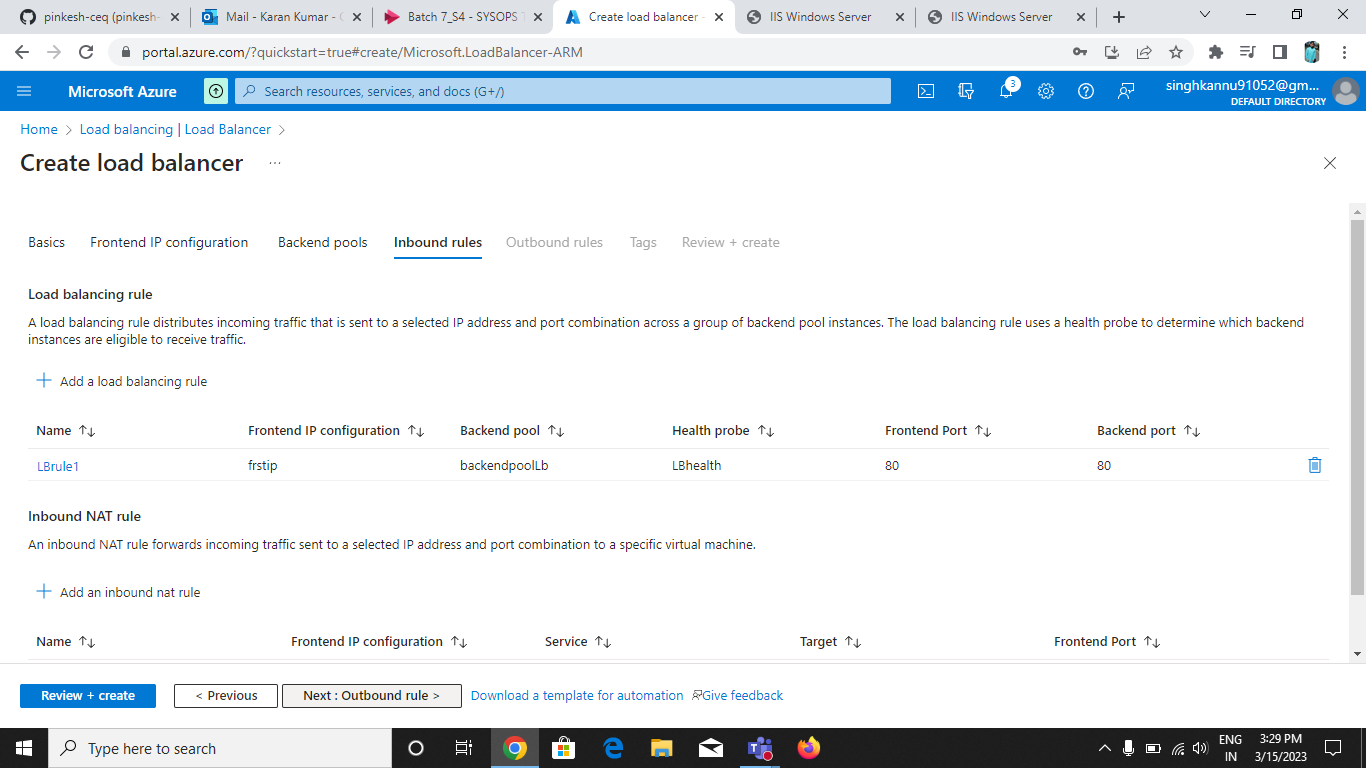
**Add Fronted IP Configuration:**

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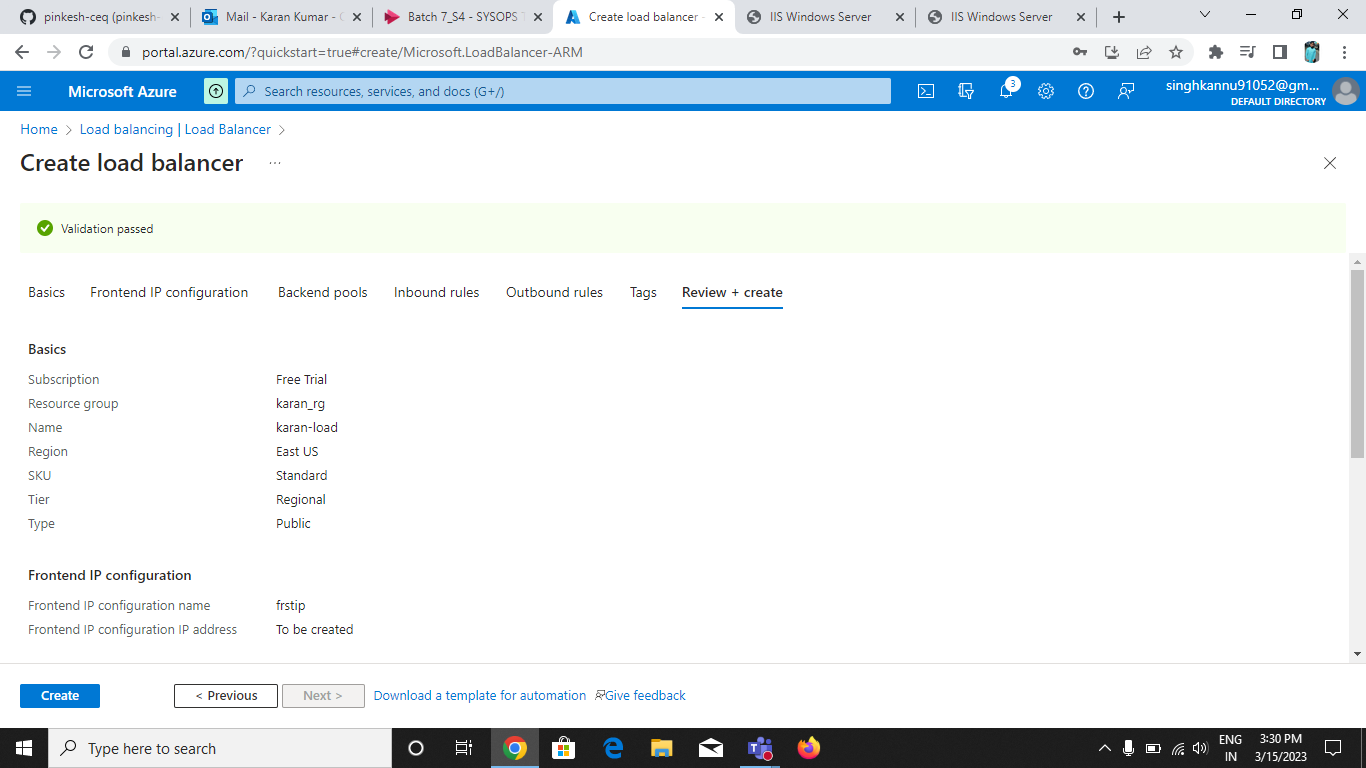
**Add on Backend pools:**

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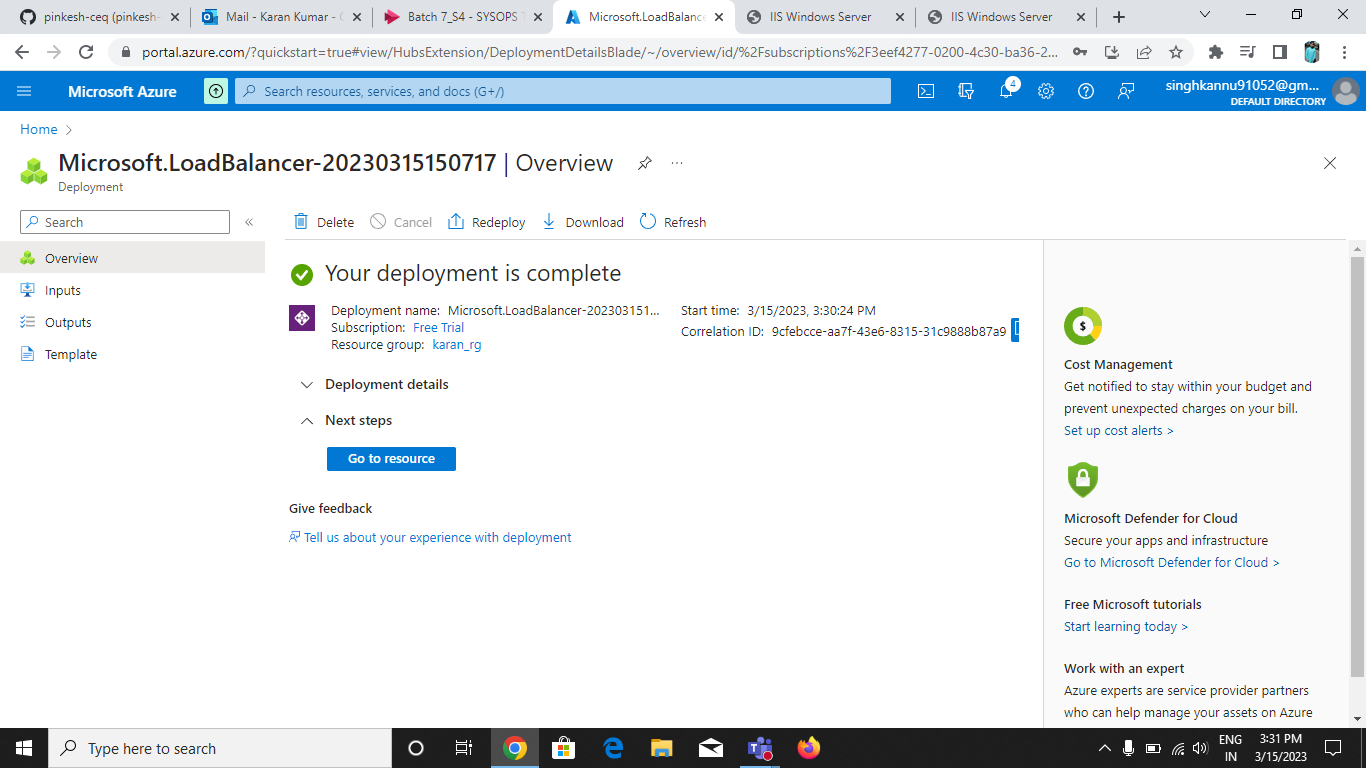
**Include Inbound Rules:**

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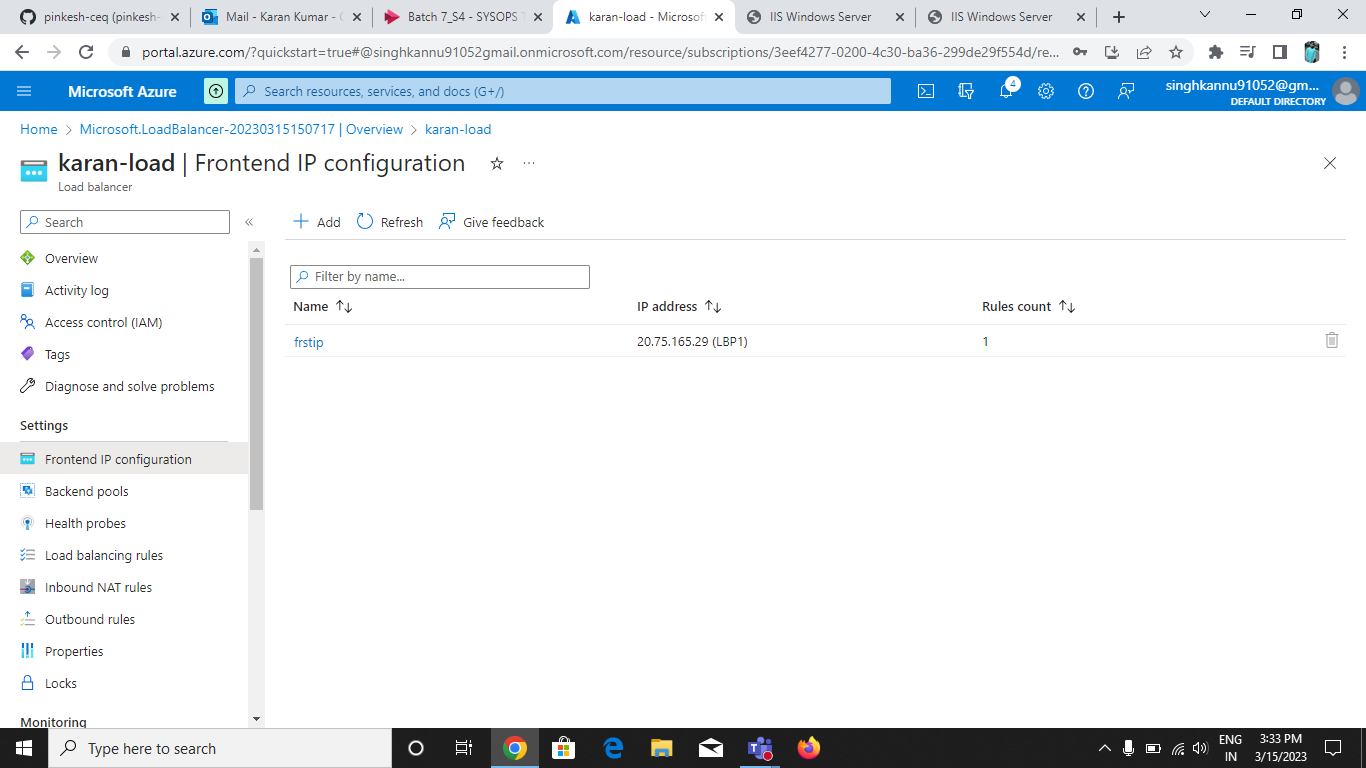
**Validation Done:**

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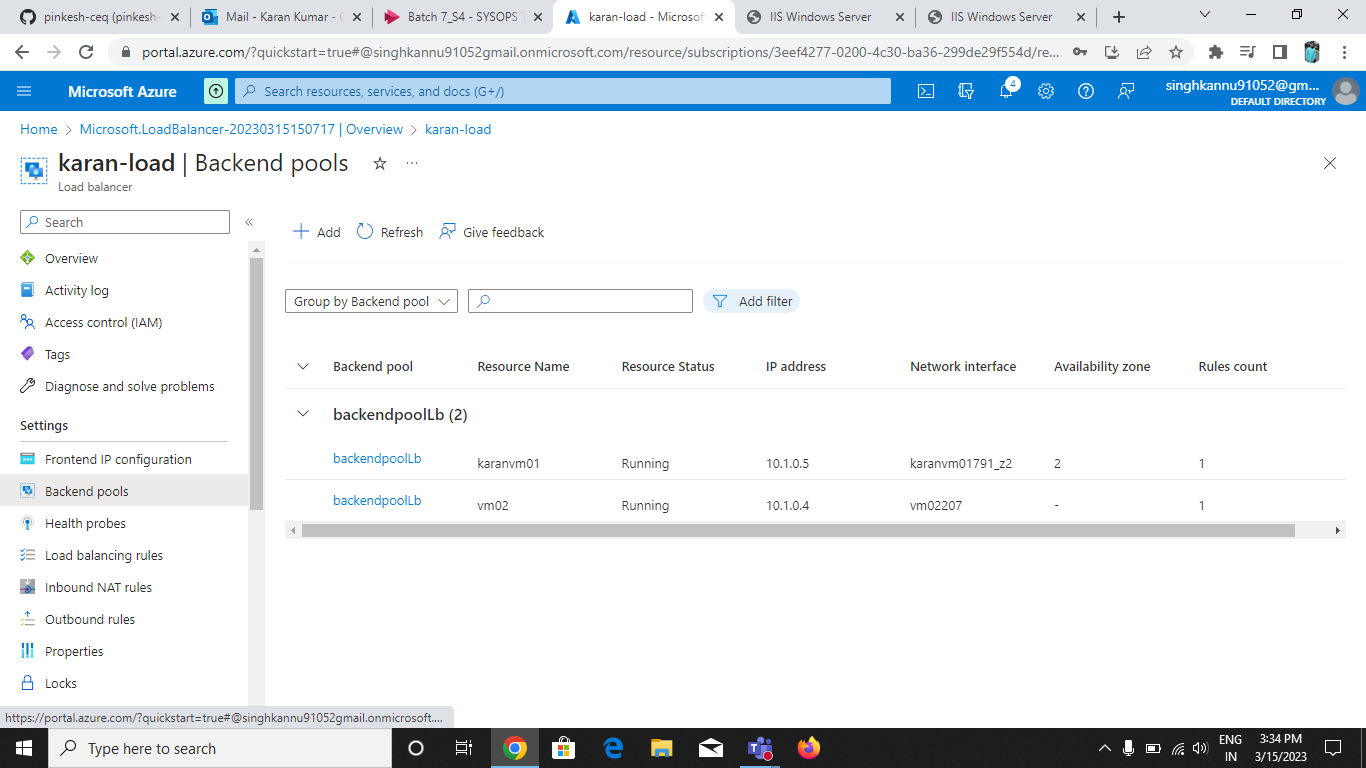
**Create load Balancer is done and deployment also done for load balancer:**

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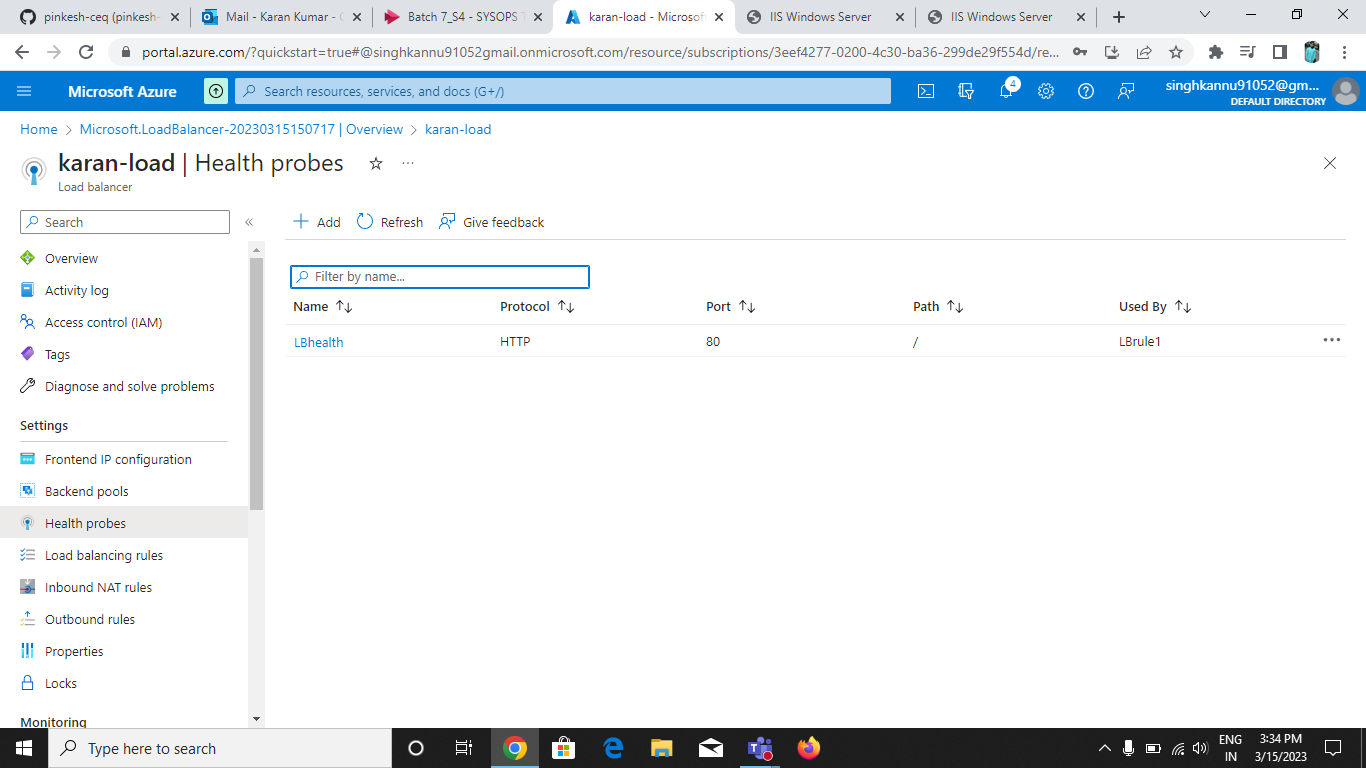
**Fronted IP Configuration Done:**

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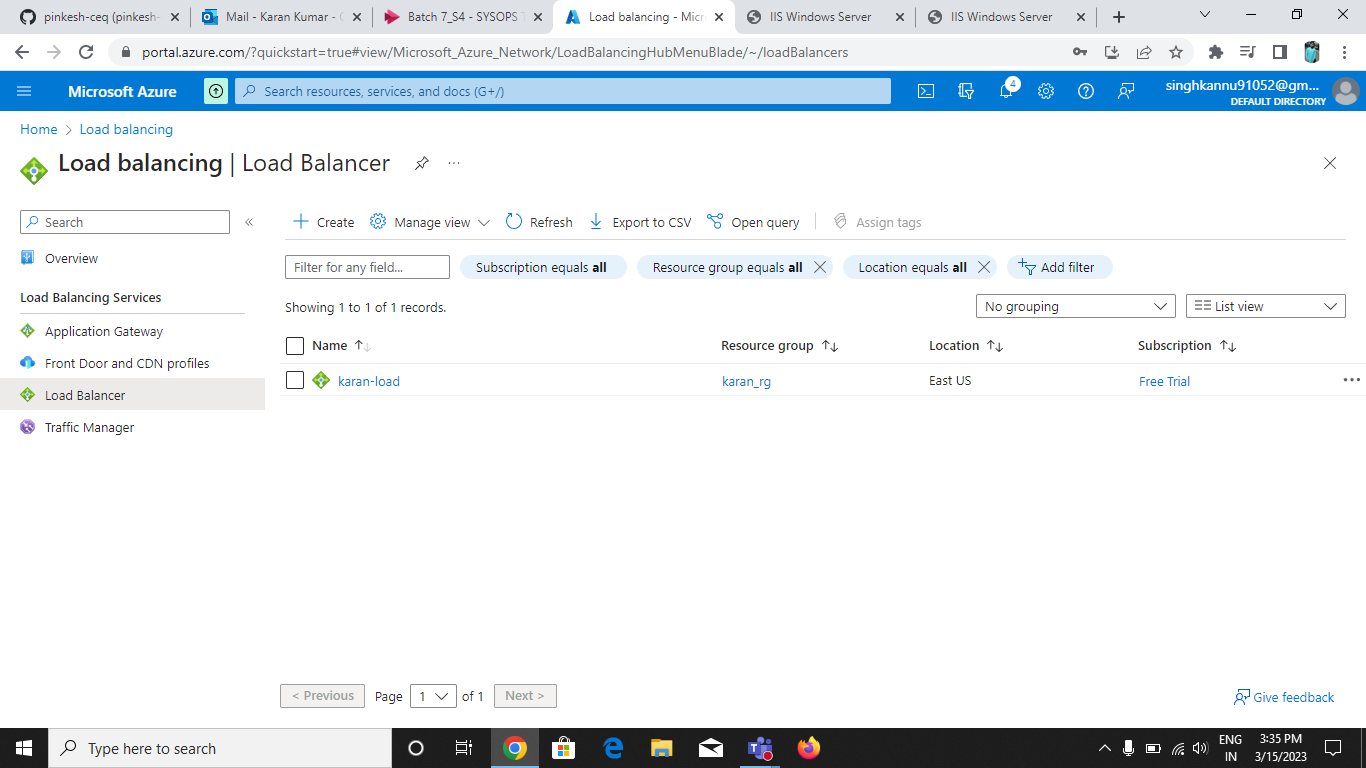
**Backend Pools Done:**

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**Health Probes done:**

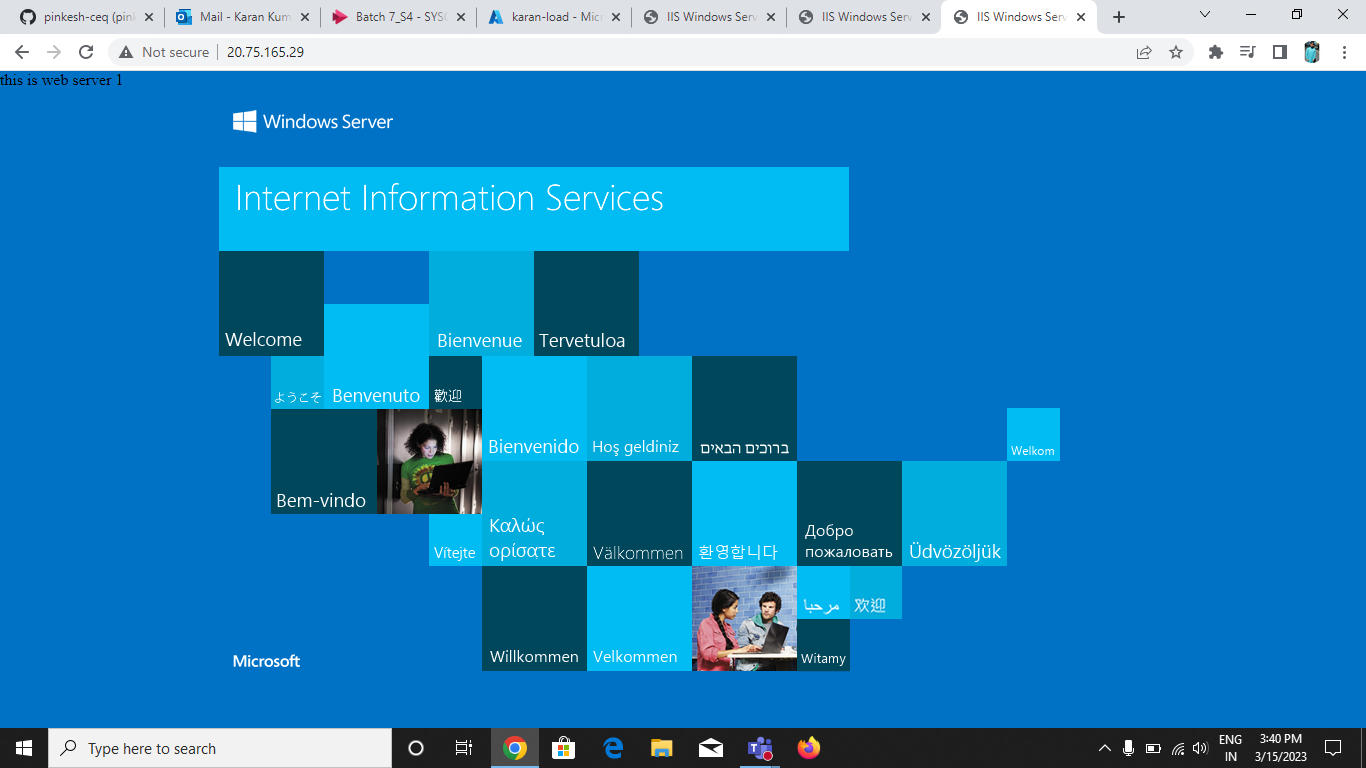
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**Load Balancer:**

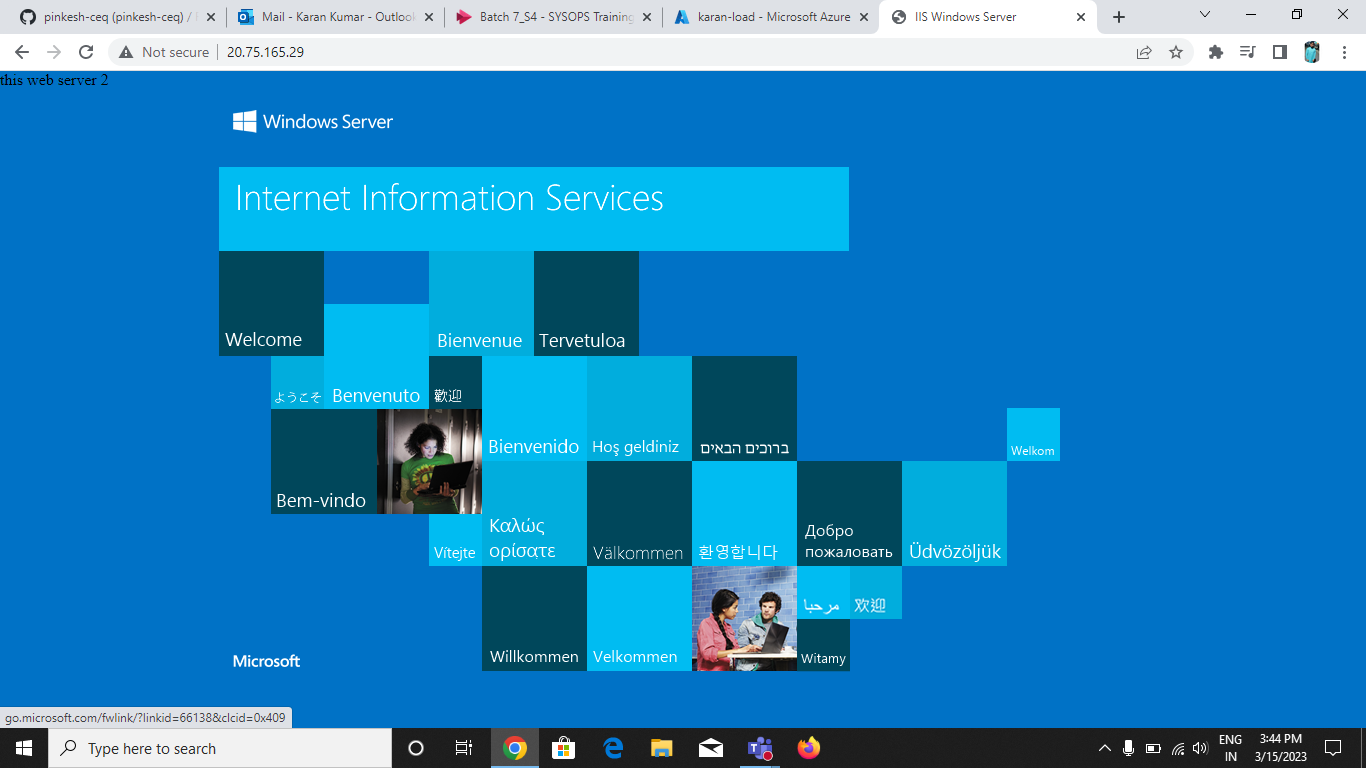
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**The Result is :**

**First server is:-**

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**Second Server is:**

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