Chapter-1:

Create all the ec2 instances







This is instance 3

Chapter 2:

Goto ec2-load balancer

Capacity Reservations

New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

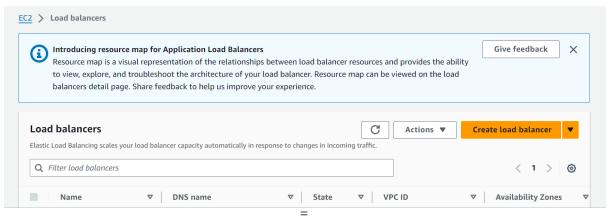
Load Balancers

Target Groups

Trust Stores New

▼ Auto Scaling

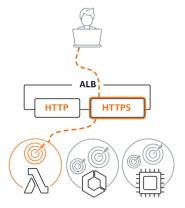
Auto Scaling Groups



0 load balancers selected

Select a load balancer above.

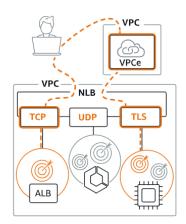
Application Load Balancer Info



Choose an Application Load
Balancer when you need a flexible
feature set for your applications
with HTTP and HTTPS traffic.
Operating at the request level,
Application Load Balancers provide
advanced routing and visibility
features targeted at application
architectures, including
microservices and containers.

Create

Network Load Balancer Info



Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.

Create

Gateway Load Balancer

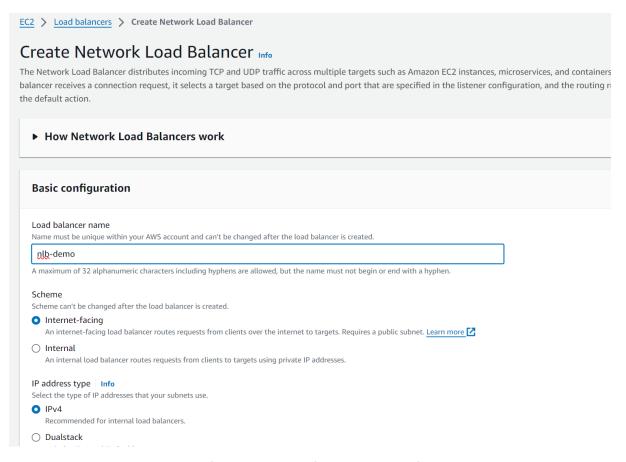
×

Info

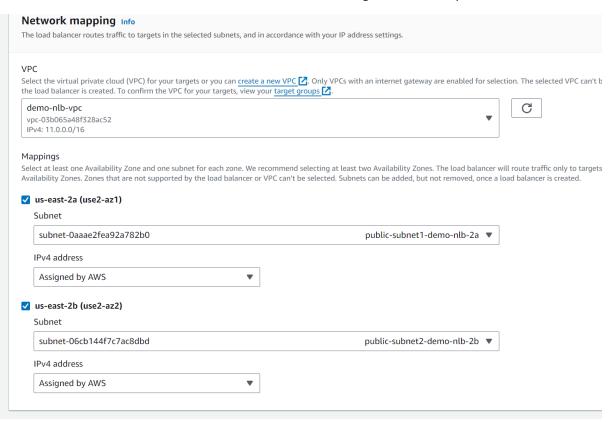


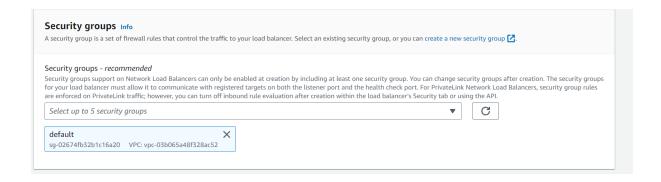
Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.

Create

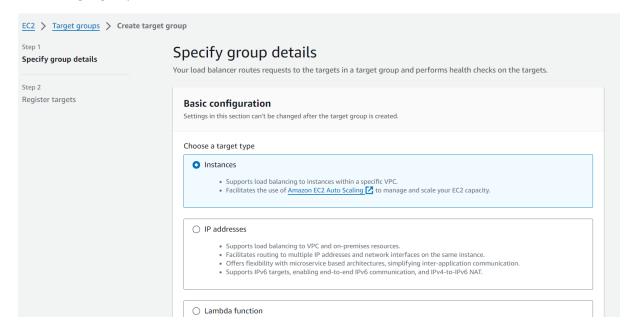


I have created ec2 instances in different subnet -differennt regions-of same vpc





Create target group



Target group name

tg-demo-nlb

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol: Port

Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation

ТСР	▼	80
		1 65575

IP address type

Only targets with the indicated IP address type can be registered to this target group.

O IPv4

Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.

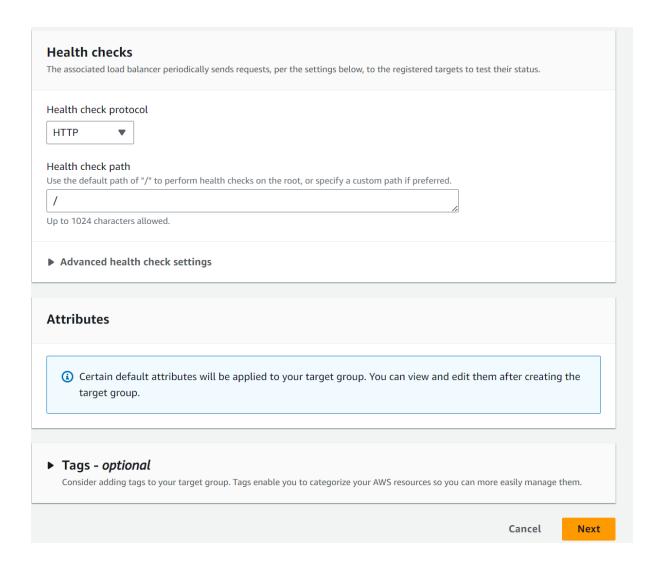
O IPv6

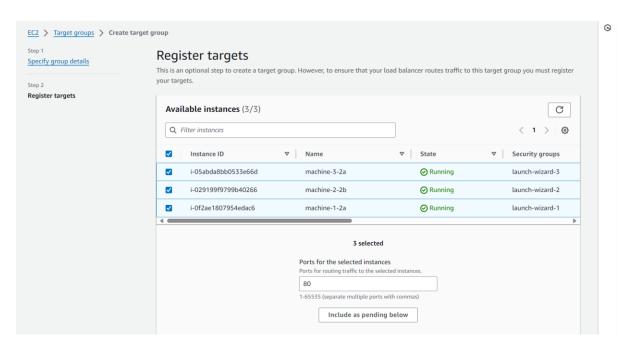
Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more

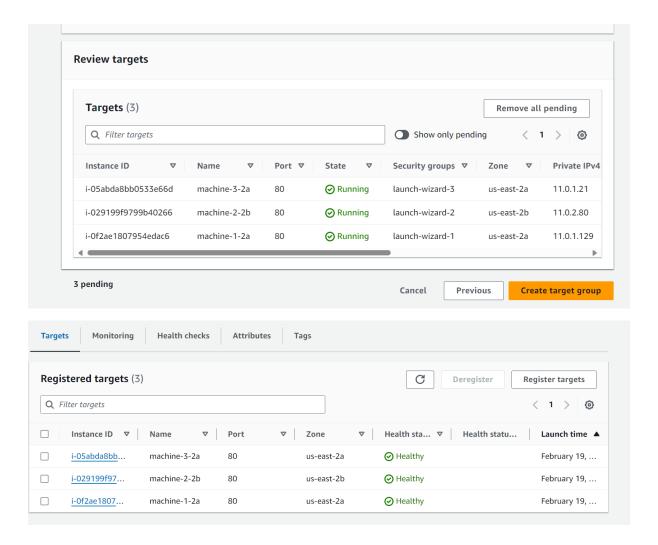
VPC

Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.



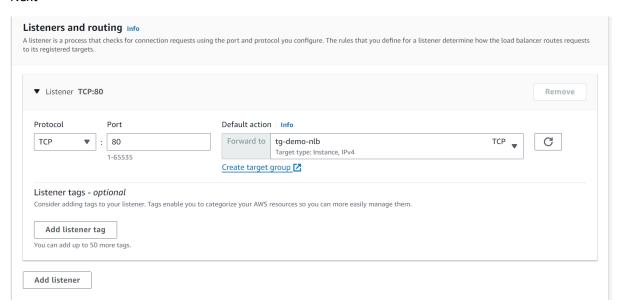


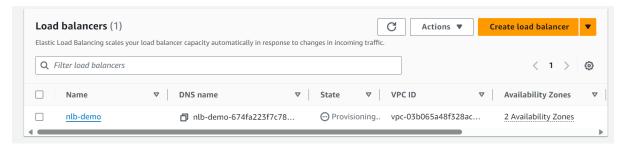




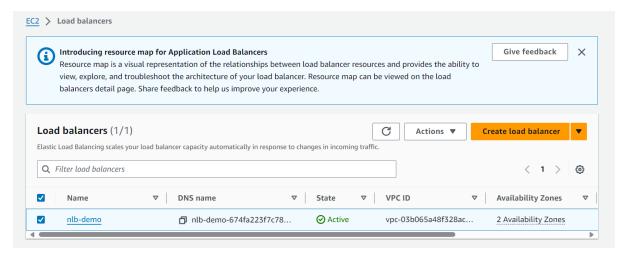
Wait for the status to be active

Next

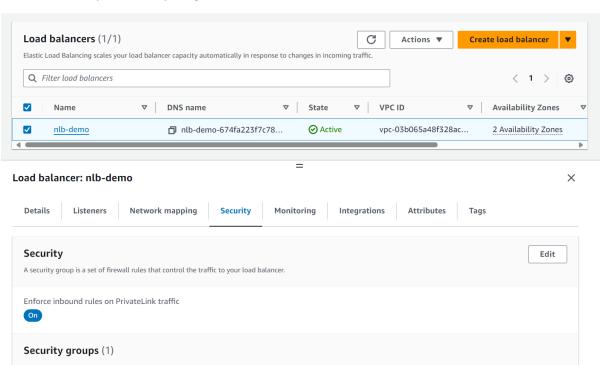


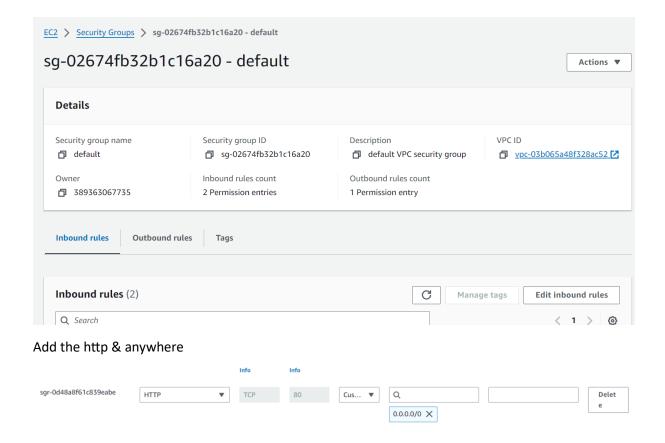


Wait for it to be active from provisioning



Add the security after everything:





Output:

Copy and paste the dns to new browser



this is instance 1

Therefore the network is distributed to different instances. (when copy pasted the DNS each time)