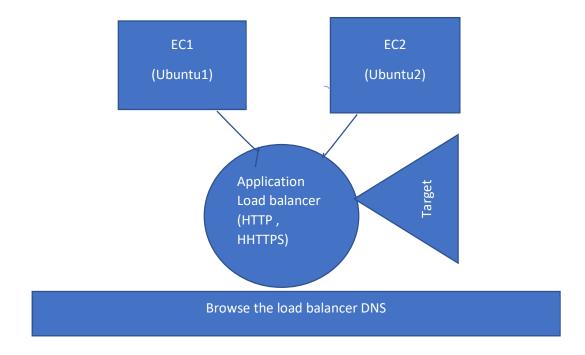
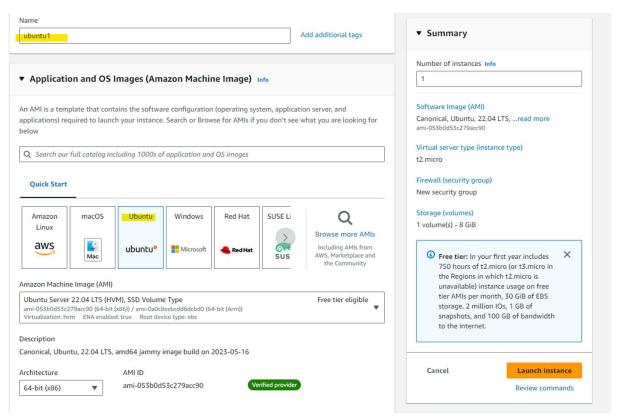
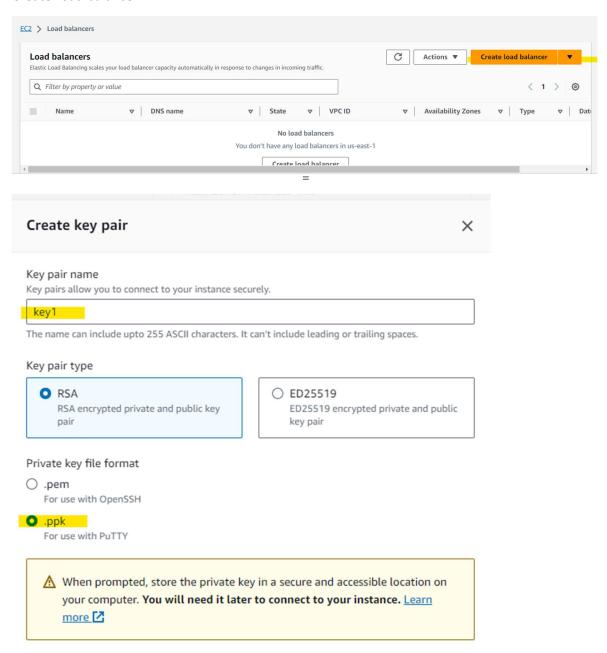
Load Balancer: Application load balancer



Create two EC2 (Ubuntu1 | Ubuntu2)

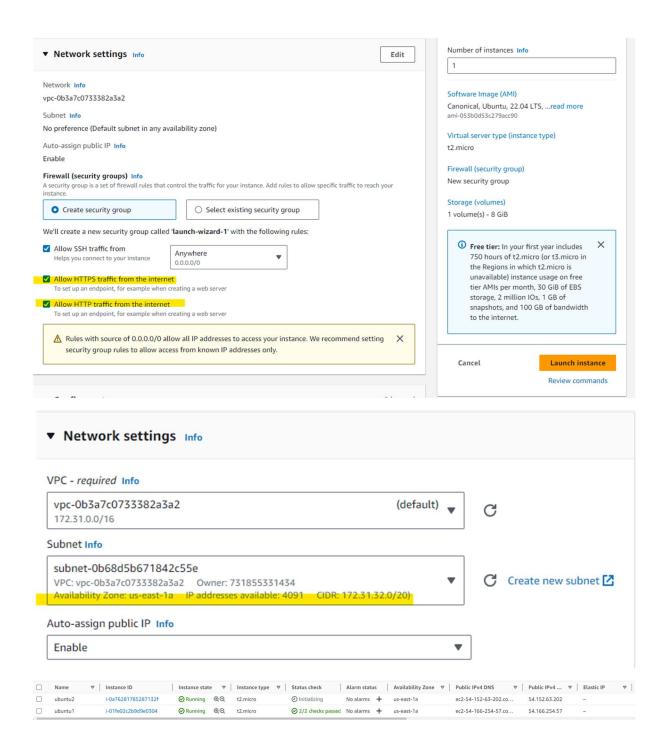


Create Load balancer



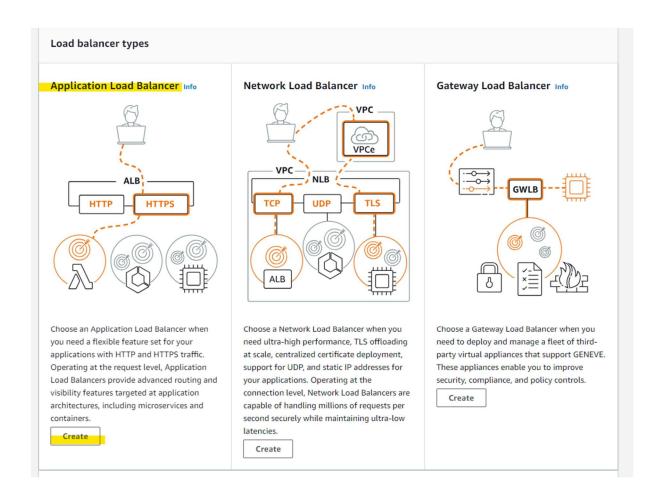
Cancel

Create key pair



Create Load balancer

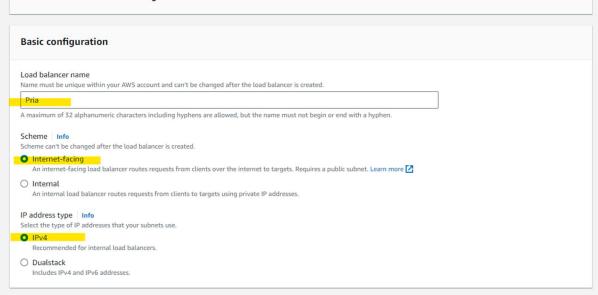
Select application load balancer

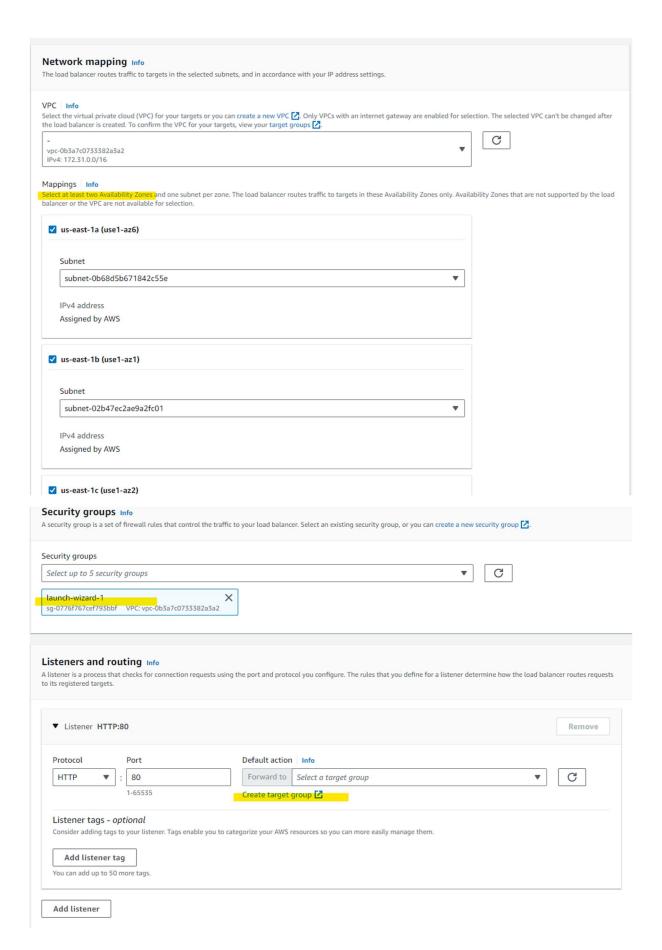


Create Application Load Balancer Info

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

► How Elastic Load Balancing works





To create target group

Specify group details

Your load balancer routes requests to the targets in a target group and performs health checks on the targets.

Basic configuration

Settings in this section can't be changed after the target group is created.

Choose a target type

Instances

- Supports load balancing to instances within a specific VPC.
- Facilitates the use of Amazon EC2 Auto Scaling to manage and scale your EC2 capacity.

O IP addresses

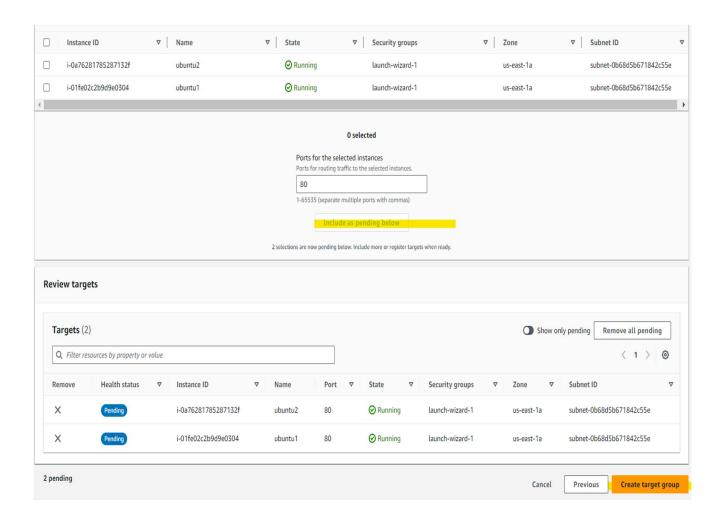
- Supports load balancing to VPC and on-premises resources.
- Facilitates routing to multiple IP addresses and network interfaces on the same instance.
- Offers flexibility with microservice based architectures, simplifying inter-application communication.
- Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.

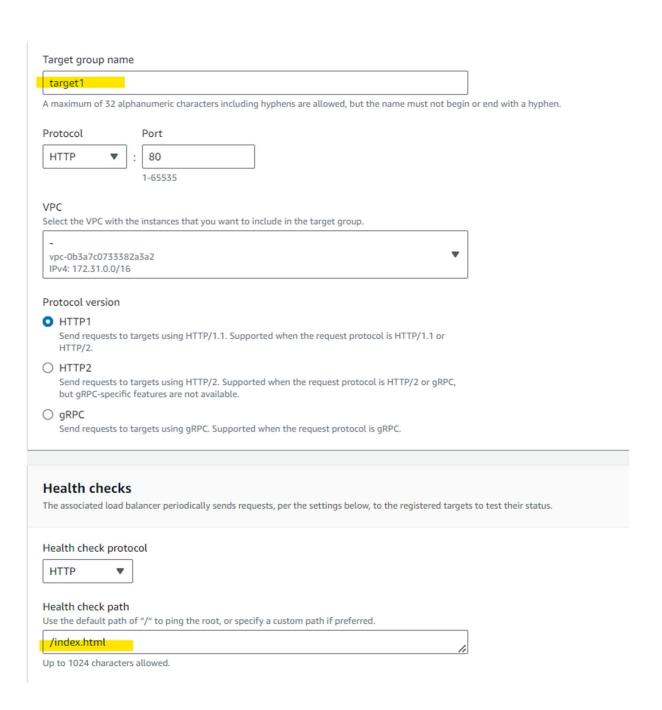
Lambda function

- Facilitates routing to a single Lambda function.
- · Accessible to Application Load Balancers only.

O Application Load Balancer

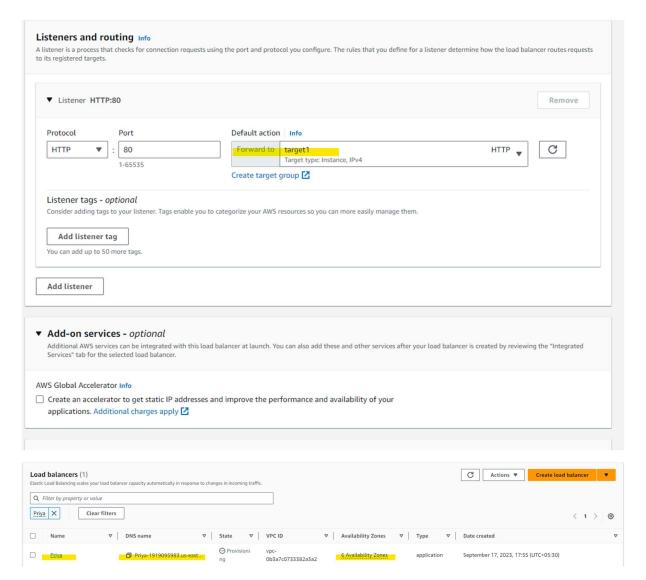
- Offers the flexibility for a Network Load Balancer to accept and route TCP requests within a specific VPC.
- Facilitates using static IP addresses and PrivateLink with an Application Load Balancer.



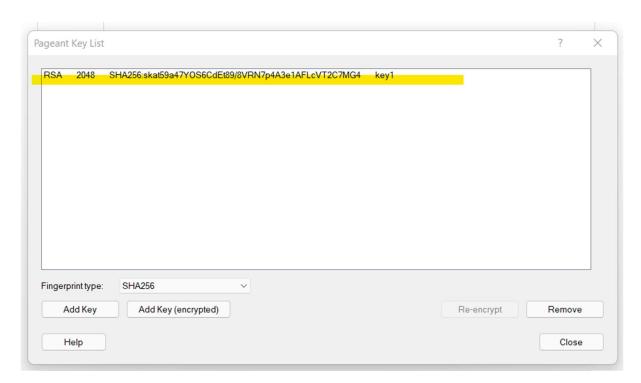




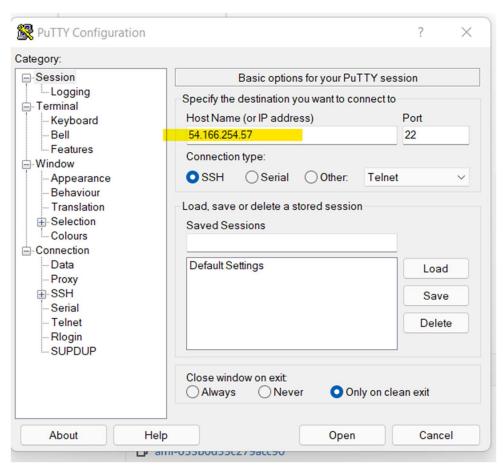
Now select target group

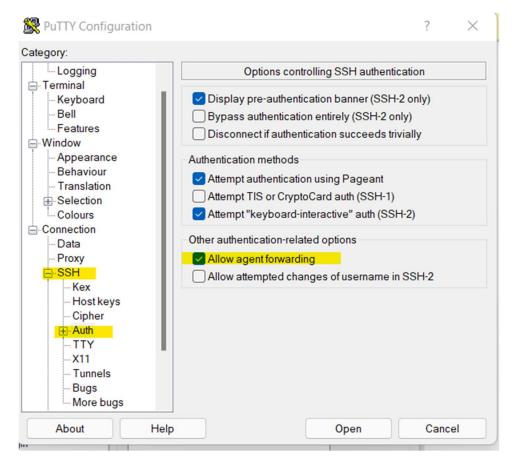


Add key to Putty Pageant



Connect through Putty





Once connected

Use below commands:-

apt update

apt install apache2

systemctl restart apache2

systemctl enable apache2

cd /var/www/html

nano index.html

To remove :- ri index.html

Vi index.html

Enter note by clicking insert

To save : escape, shift : ,wq , enter

```
Canabling module accuses compat.

Enabling module even.

Enabling module secentif.

Enabling module secentif.

Enabling module secentif.

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Repeat same steps for ubuntu2

Copy load balancer DNS and paste in browser



Based on health check the page will be switched