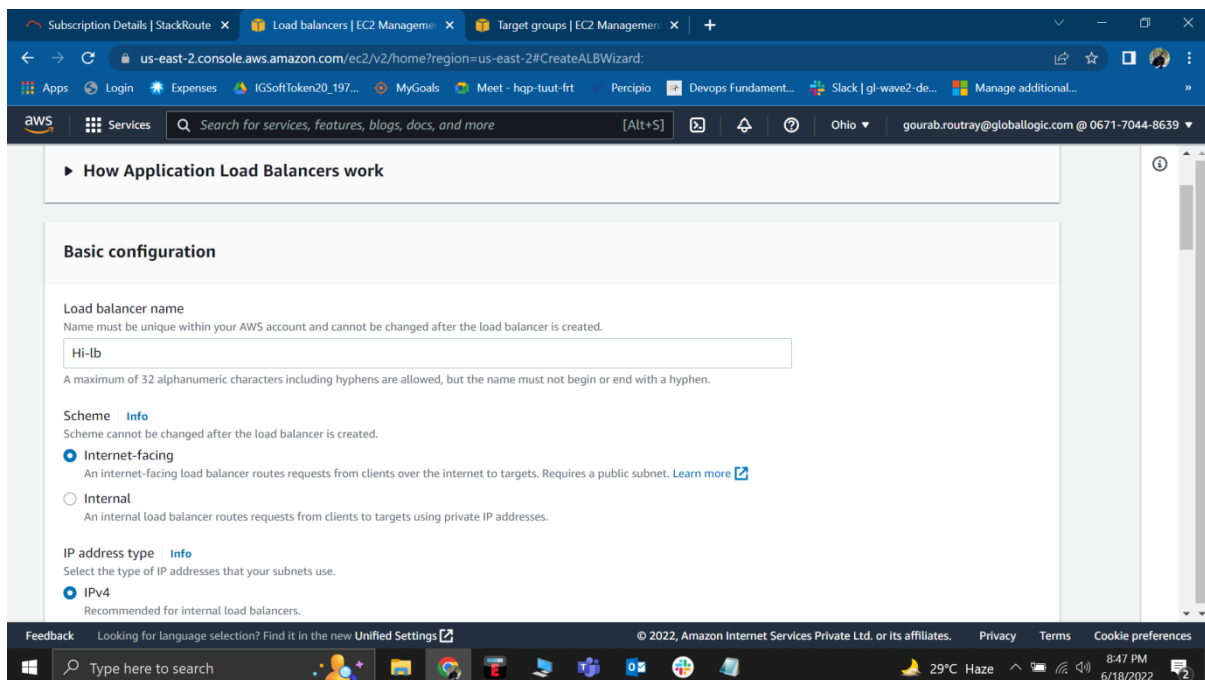


ASSIGNMENT-3

LOAD BALANCERS



Subscription Details | StackRoute x Load balancers | EC2 Management x Target groups | EC2 Management x +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateALBWizard:

Apps Login Expenses IGSoftoken20_197... MyGoals Meet - hqp-tuut-frt Percipio Devops Fundament... Slack | gl-wave2-de... Manage additional...

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How Application Load Balancers work

Basic configuration

Load balancer name
Name must be unique within your AWS account and cannot be changed after the load balancer is created.
Hi-lb
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

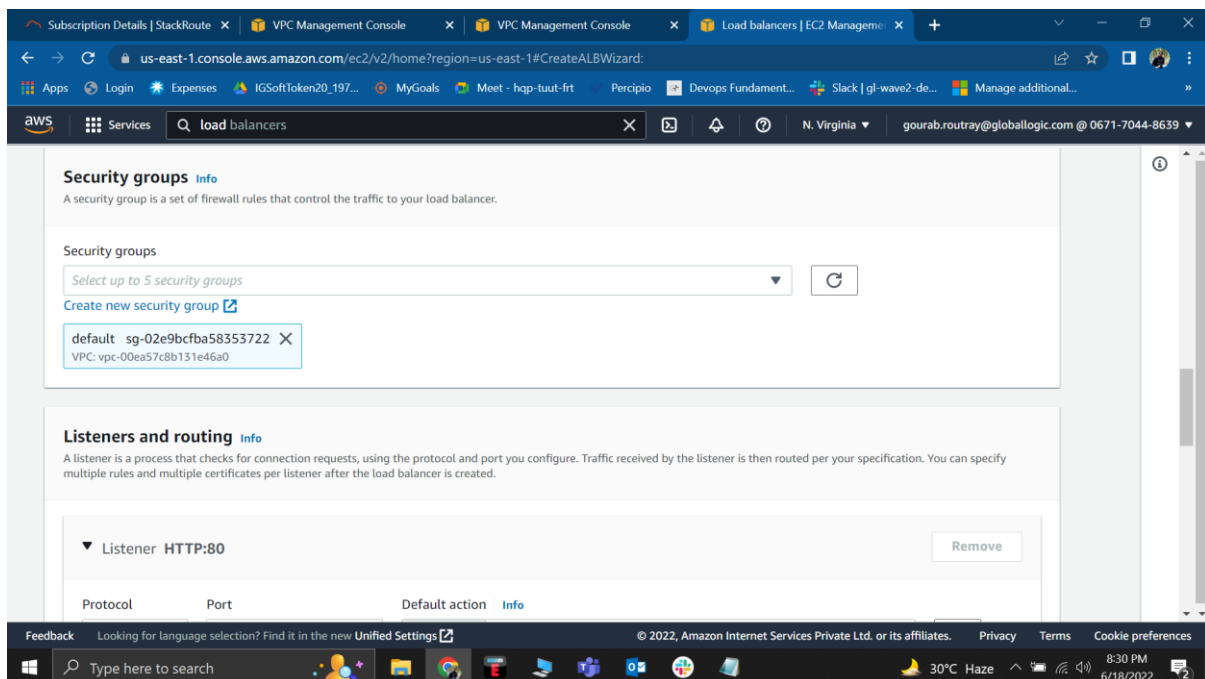
Scheme [Info](#)
Scheme cannot be changed after the load balancer is created.
☒ **Internet-facing**
An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#)
☐ **Internal**
An internal load balancer routes requests from clients to targets using private IP addresses.

IP address type [Info](#)
Select the type of IP addresses that your subnets use.
☒ **IPv4**
Recommended for internal load balancers.

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CONFIGURED SECURITY GROUPS AND OTHERS



Subscription Details | StackRoute x VPC Management Console x VPC Management Console x Load balancers | EC2 Management x +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#CreateALBWizard:

Apps Login Expenses IGSoftoken20_197... MyGoals Meet - hqp-tuut-frt Percipio Devops Fundament... Slack | gl-wave2-de... Manage additional...

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Security groups [Info](#)

A security group is a set of firewall rules that control the traffic to your load balancer.

Security groups
Select up to 5 security groups
Create new security group [Info](#)
default sg-02e9bcfba58353722 X
VPC: vpc-00ea57c8b131e46a0

Listeners and routing [Info](#)

A listener is a process that checks for connection requests, using the protocol and port you configure. Traffic received by the listener is then routed per your specification. You can specify multiple rules and multiple certificates per listener after the load balancer is created.

▼ **Listener HTTP:80** Remove

Protocol	Port	Default action	Info
----------	------	----------------	----------------------

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ASSIGNMENT-3

THERE WAS NO TARGET GROUP SO CREATED ONE

Subscription Details | StackRoute x | VPC Management Console x | VPC Management Console x | Load balancers | EC2 Manage...

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#CreateALBWizard:

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▼ Listener HTTP:80 Remove

Protocol Port Default action Info

HTTP : 80 Forward to Select a target group

1-65535 Create target group

Add listener

▼ Add-on services - optional

Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.

AWS Global Accelerator Info

☐ Create an accelerator to get static IP addresses and improve the performance and availability of your applications. Additional charges apply

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Subscription Details | StackRoute x | Load balancers | EC2 Manage... x | Target groups | EC2 Manage...

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☒ us-east-2a

Subnet

subnet-00c878a7ad9da2ac0

IPv4 settings

Assigned by AWS

☒ us-east-2b

Subnet

subnet-0dda7a457f4a76e46

IPv4 settings

Assigned by AWS

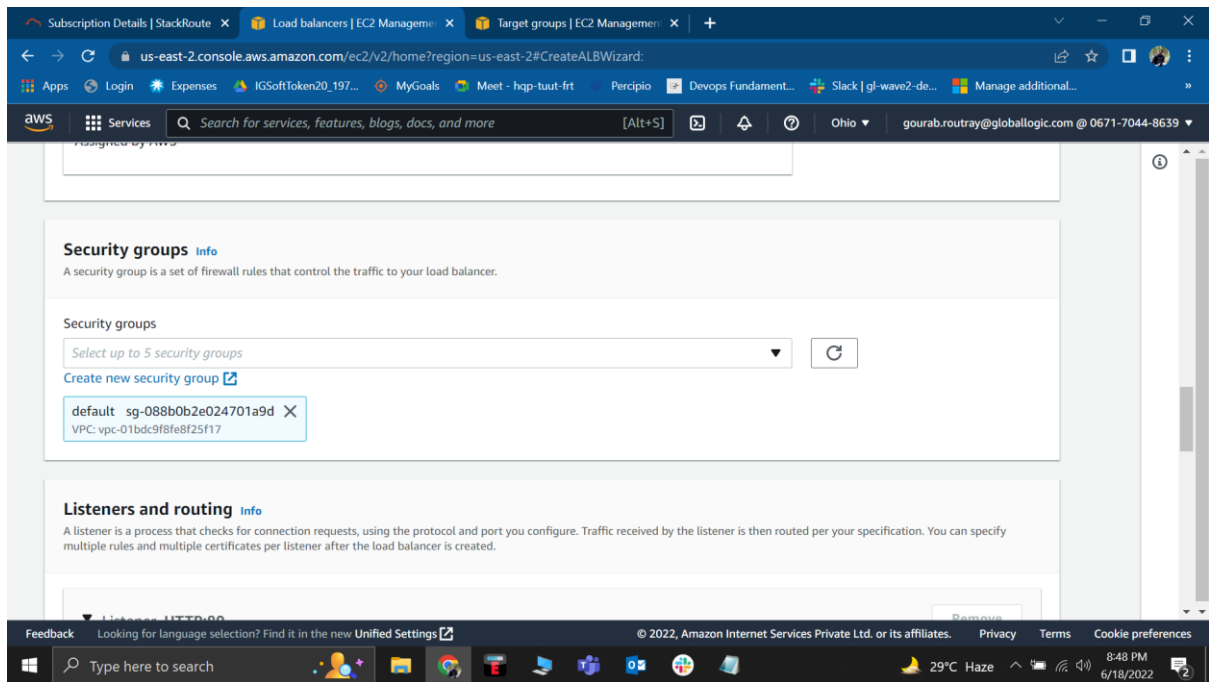
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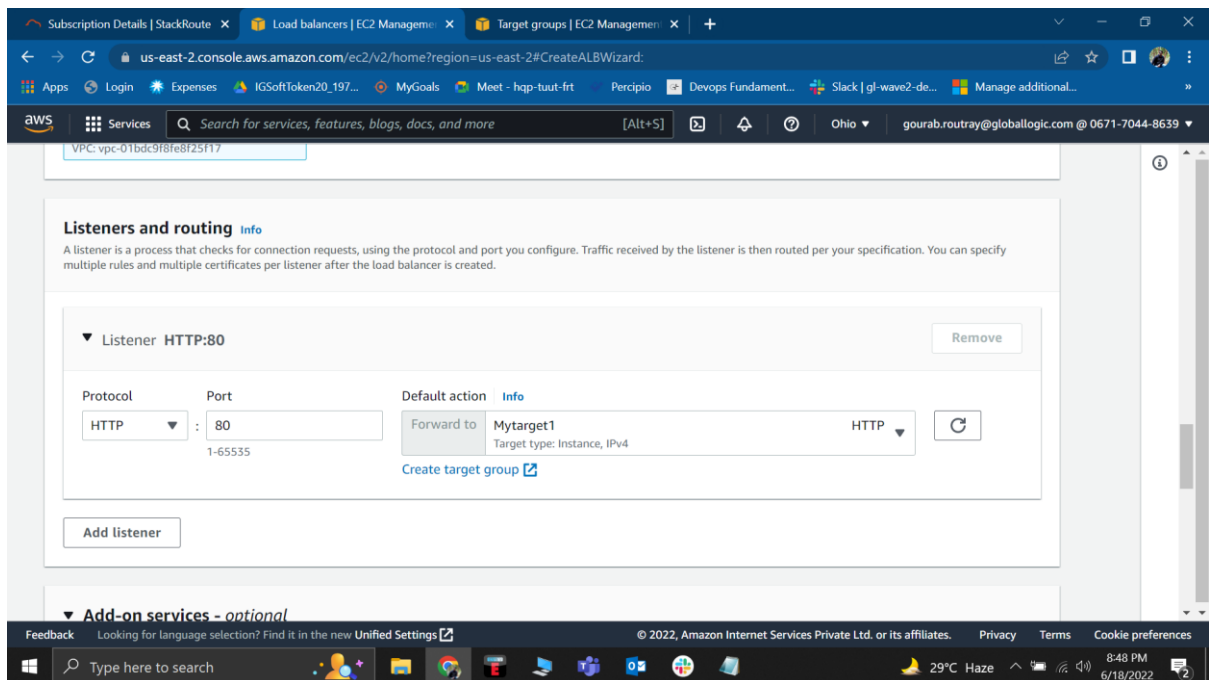
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ASSIGNMENT-3



CONFIGURED TARGET GROUP



ASSIGNMENT-3

CREATED LOAD BALANCER

The screenshot shows the AWS Management Console interface. At the top, there are several tabs: 'Subscription Details | StackRoute', 'Load balancers | EC2 Managemen...', and 'Target groups | EC2 Managemen...'. The browser address bar shows the URL: 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateLBWizardSuccess:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-2:067...'. Below the browser tabs, there is a green banner with a success message: 'Successfully created load balancer: Hi-lb'. The message includes a note: 'Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.' Below the banner, the breadcrumb navigation shows 'EC2 > Load balancers > Create Application Load Balancer'. The main heading is 'Create Application Load Balancer'. Below this, there is a 'Suggested next steps' section with two bullet points: 'Review, customize, or enable attributes for your load balancer and listeners using the **Description** and **Listeners** tabs within **Hi-lb**.' and 'Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within **Hi-lb**.' At the bottom right of this section, there is an orange button labeled 'View load balancer'. The footer of the console shows 'Feedback', 'Looking for language selection? Find it in the new Unified Settings', '© 2022, Amazon Internet Services Private Ltd. or its affiliates.', 'Privacy', 'Terms', and 'Cookie preferences'. The Windows taskbar at the bottom shows the search bar, task view, and several open applications, along with the system clock showing 8:48 PM on 6/18/2022.

Subscription Details | StackRoute x Load balancers | EC2 Managemen... x Target groups | EC2 Managemen... x +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateLBWizardSuccess:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-2:067...

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Successfully created load balancer: **Hi-lb**

Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

EC2 > Load balancers > Create Application Load Balancer

Create Application Load Balancer

Suggested next steps

- Review, customize, or enable attributes for your load balancer and listeners using the **Description** and **Listeners** tabs within **Hi-lb**.
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within **Hi-lb**.

[View load balancer](#)

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