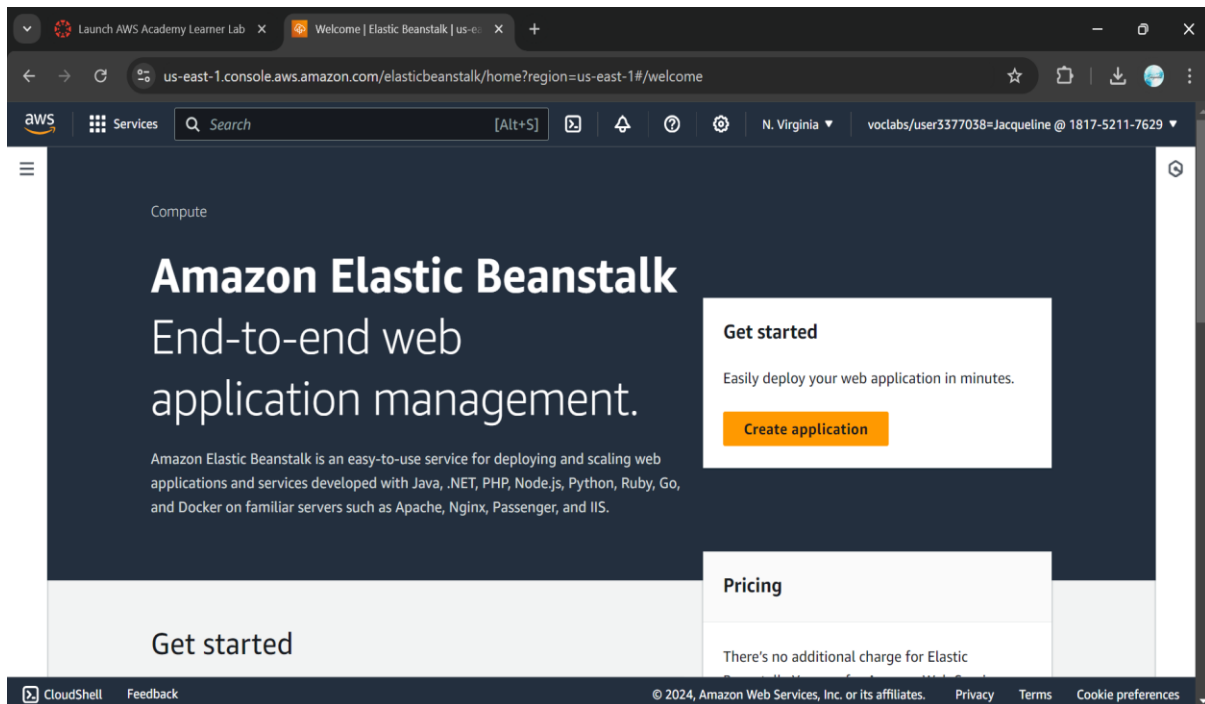
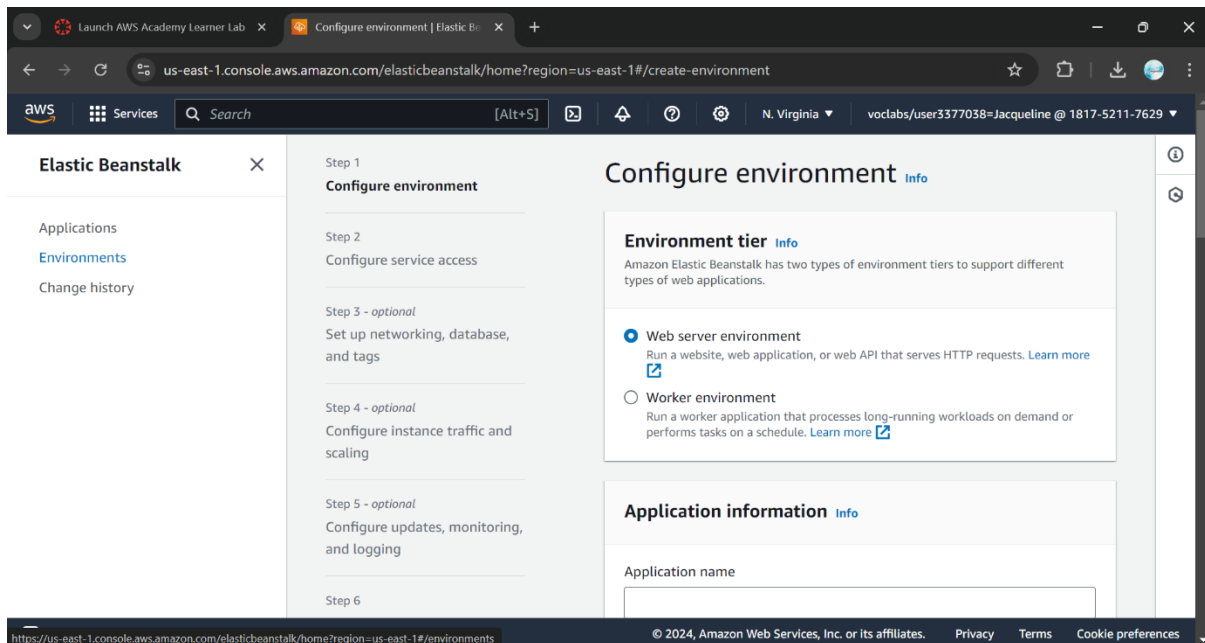


Step 1: At first create key pair in EC2 and then go to Elastic Bean Stalk in services.



Step 2: Go to dashboard and then select environments.



Step 3: Say create environment and select web server environment and then configure following settings.

The screenshot shows the AWS Elastic Beanstalk console in the 'Configure environment' step. The left sidebar lists steps 1 through 6. The main content area has two sections: 'Environment tier' and 'Application information'. In the 'Environment tier' section, the 'Web server environment' radio button is selected. In the 'Application information' section, the 'Application name' text box is empty.

Step 1
Configure environment

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6

Configure environment [Info](#)

Environment tier [Info](#)

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

☒ **Web server environment**
Run a website, web application, or web API that serves HTTP requests. [Learn more](#)

☐ **Worker environment**
Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. [Learn more](#)

Application information [Info](#)

Application name

Maximum length of 100 characters.

This screenshot is identical to the one above, but the 'Application name' text box now contains the word 'demo'.

Step 1
Configure environment

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6

Configure environment [Info](#)

Environment tier [Info](#)

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

☒ **Web server environment**
Run a website, web application, or web API that serves HTTP requests. [Learn more](#)

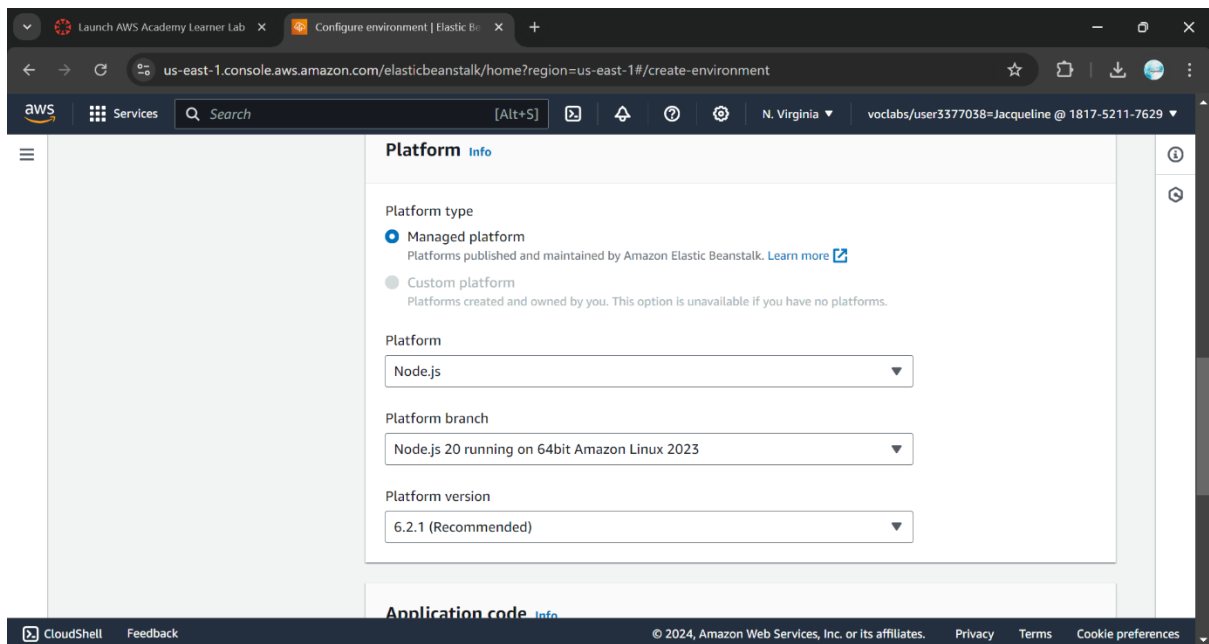
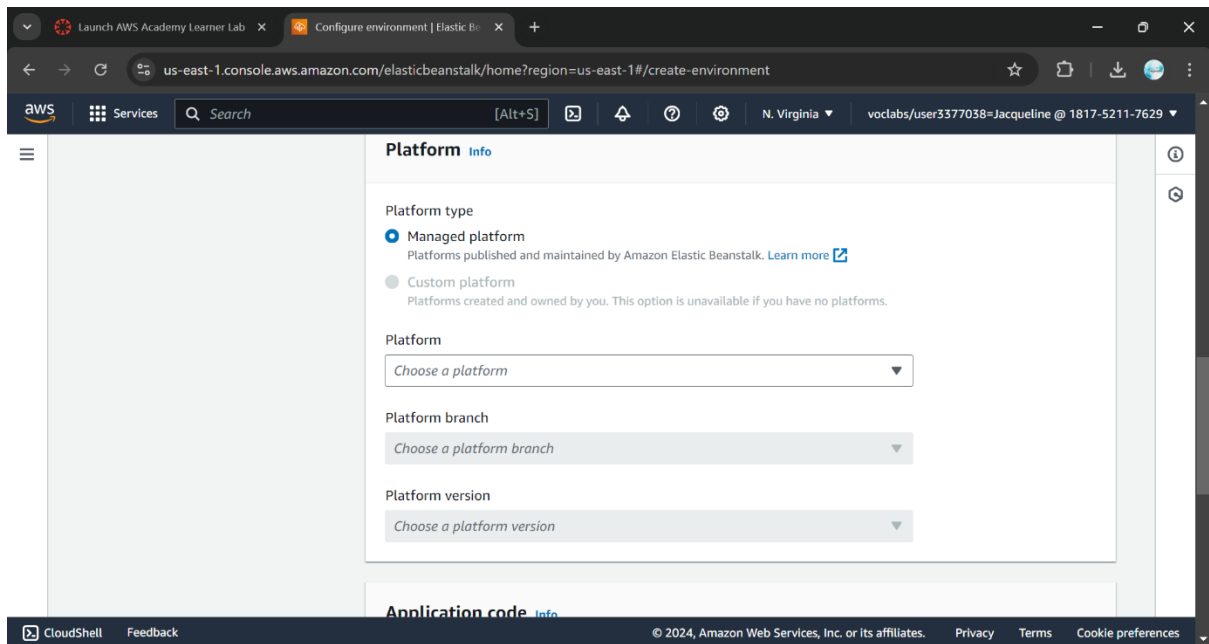
☐ **Worker environment**
Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. [Learn more](#)

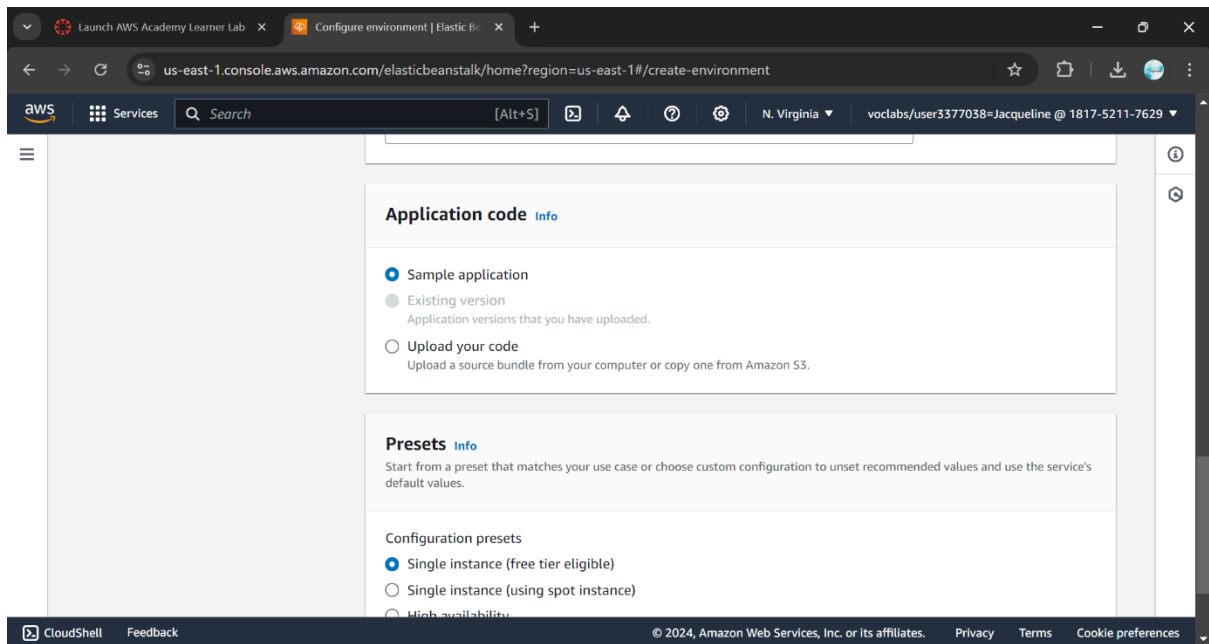
Application information [Info](#)

Application name

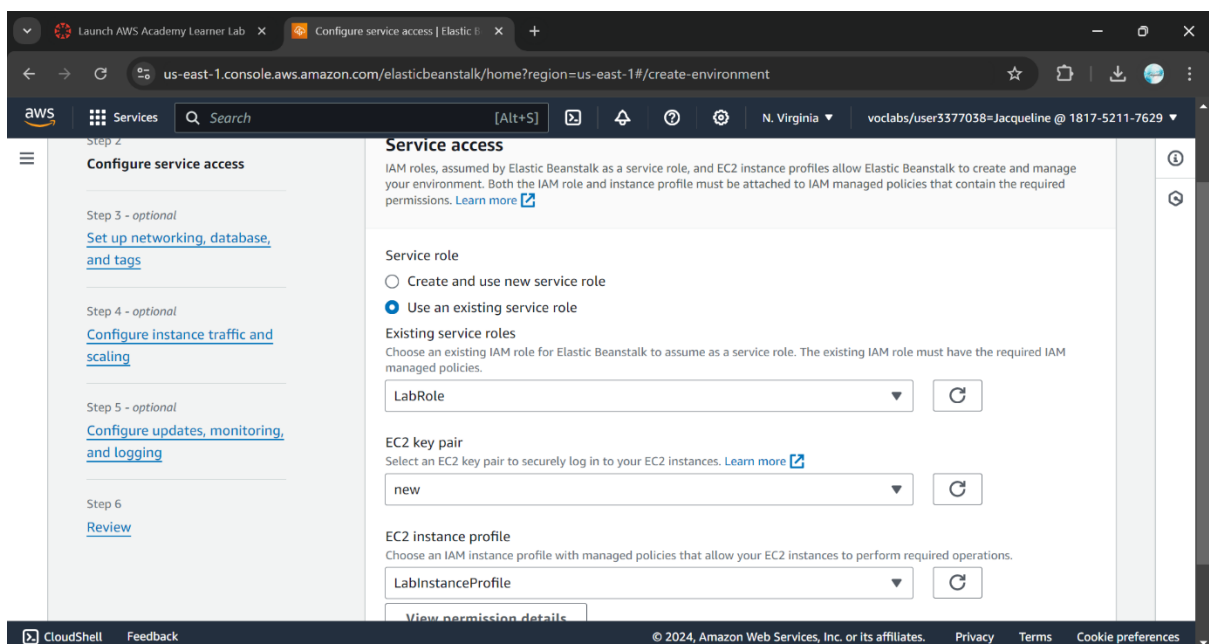
demo

Maximum length of 100 characters.





Step 4: Following screen will appear so configure following settings and say submit



Launch AWS Academy Learner Lab

Set up networking, database, and

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user3377038=Jacqueline @ 1817-5211-7629

Step 1

[Configure environment](#)

Step 2

[Configure service access](#)

Step 3 - optional

Set up networking, database, and tags

Step 4 - optional

[Configure instance traffic and scaling](#)

Step 5 - optional

[Configure updates, monitoring, and logging](#)

Step 6

Set up networking, database, and tags - optional

Virtual Private Cloud (VPC)

VPC

Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. [Learn more](#)

vpc-013e626860017354c | (172.31.0.0/16)

[Create custom VPC](#)

Instance settings

Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances. [Learn more](#)

Public IP address

Assign a public IP address to the Amazon EC2 instances in your environment.

CloudShell

Feedback

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Launch AWS Academy Learner Lab

Set up networking, database, and

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

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[and logging](#)

Step 6

[Review](#)

Public IP address

Assign a public IP address to the Amazon EC2 instances in your environment.

☒ Activated

Instance subnets

Filter instance subnets

	Availability Zone	Subnet	CIDR	Name
<input type="checkbox"/>	us-east-1f	subnet-0143aa3...	172.31.64.0/20	
<input type="checkbox"/>	us-east-1a	subnet-0346762...	172.31.80.0/20	
<input type="checkbox"/>	us-east-1e	subnet-054bea...	172.31.48.0/20	
<input checked="" type="checkbox"/>	us-east-1c	subnet-08b31cc0...	172.31.32.0/20	
<input type="checkbox"/>	us-east-1d	subnet-0e66b65f...	172.31.0.0/20	

CloudShell

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Launch AWS Academy Learner Lab

Configure instance traffic and scaling

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

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Step 1
Configure environment

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6

Configure instance traffic and scaling - optional

▼ Instances Info

Configure the Amazon EC2 instances that run your application.

Root volume (boot device)

Root volume type
(Container default)

Size
The number of gigabytes of the root volume attached to each instance.
8 GB

IOPS
Input/output operations per second for a provisioned IOPS (SSD) volume.
100 IOPS

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Launch AWS Academy Learner Lab

Configure instance traffic and scaling

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

Search

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Step 1
Configure environment

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6

Amazon CloudWatch monitoring

The time interval between when metrics are reported from the EC2 instances

Monitoring interval
5 minute

Instance metadata service (IMDS)

Your environment's platform supports both IMDSv1 and IMDSv2. To enforce IMDSv2, deactivate IMDSv1. [Learn more](#)

IMDSv1
With the current setting, the environment enables only IMDSv2.
☒ Deactivated

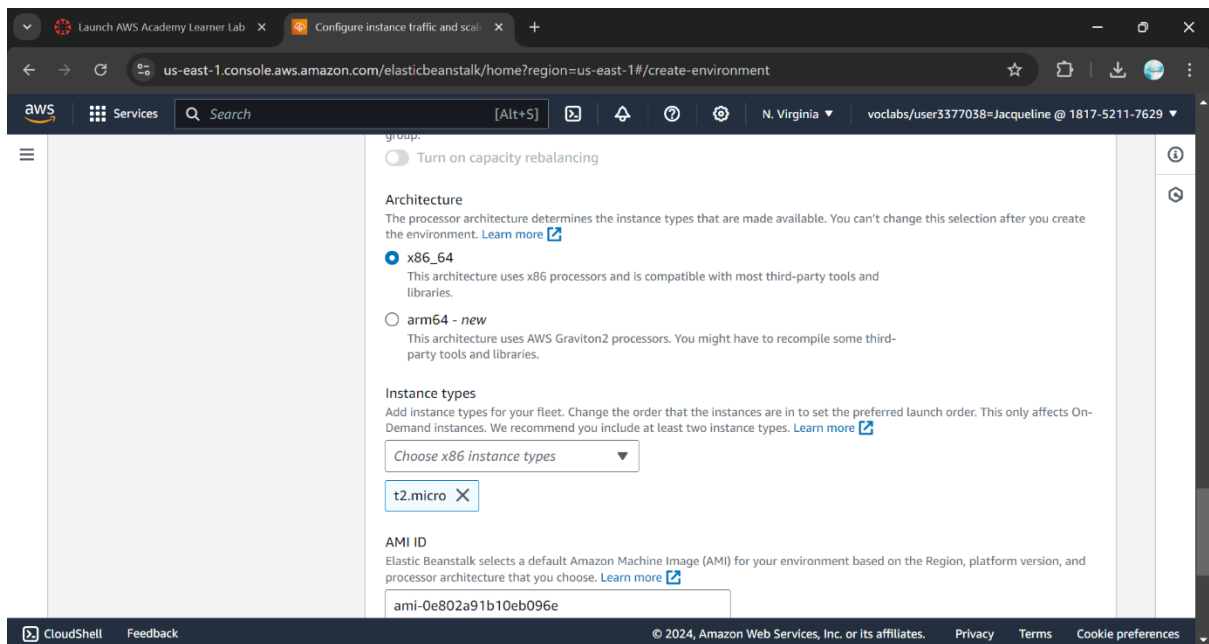
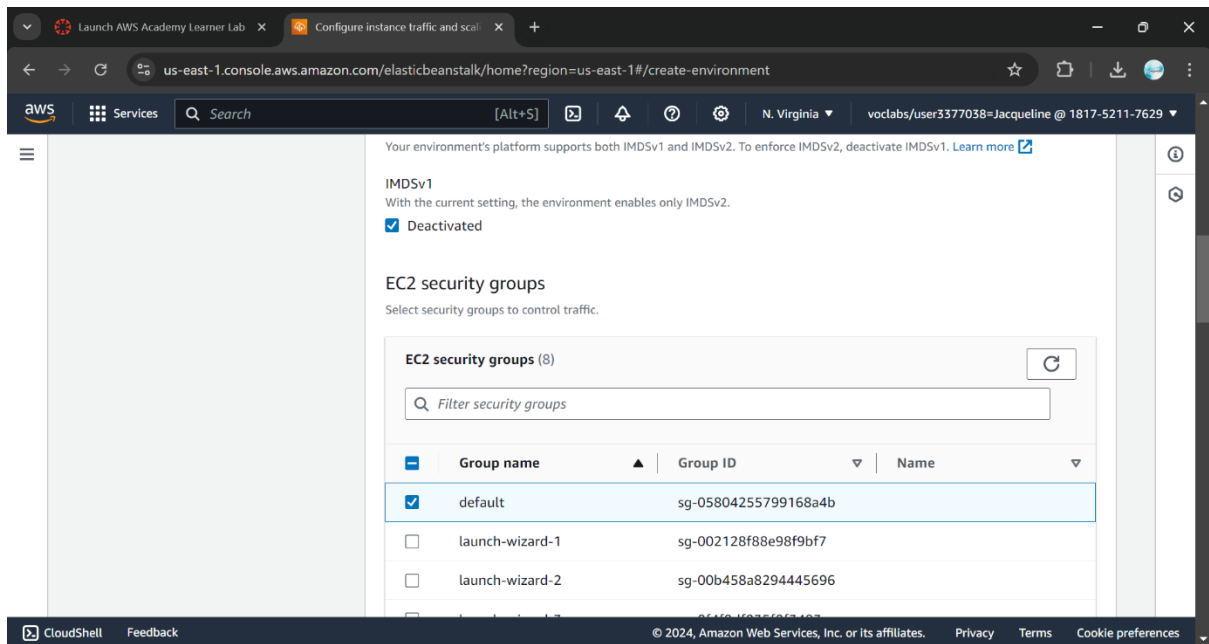
EC2 security groups

Select security groups to control traffic.

EC2 security groups (8)

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Configure updates, monitoring, and logging - optional

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

Search

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Step 1

[Configure environment](#)

Step 2

[Configure service access](#)

Step 3 - optional

[Set up networking, database, and tags](#)

Step 4 - optional

[Configure instance traffic and scaling](#)

Step 5 - optional

Configure updates, monitoring, and logging

Step 6

Configure updates, monitoring, and logging - optional

▼ Monitoring

Health reporting

Enhanced health reporting provides free real-time application and operating system monitoring of the instances and other resources in your environment. The **EnvironmentHealth** custom metric is provided free with enhanced health reporting. Additional charges apply for each custom metric. For more information, see [Amazon CloudWatch Pricing](#)

System

☒ Basic

☐ Enhanced

Health event streaming to CloudWatch Logs

Configure Elastic Beanstalk to stream environment health events to CloudWatch Logs. You can set the retention up to a maximum of ten years and configure Elastic Beanstalk to delete the logs when you terminate your environment.

Log streaming

☐ Activated (standard CloudWatch charges apply.)

CloudShell

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Launch AWS Academy Learner Lab

Configure updates, monitoring, and logging - optional

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aws

Services

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Keep logs after terminating environment

▼ Managed platform updates

Activate managed platform updates to apply platform updates automatically during a weekly maintenance window that you choose. Your application stays available during the update process.

Managed updates

☐ Activated

Weekly update window

Thursday at 20 : 33 UTC

Update level

Minor and patch

Instance replacement

If enabled, an instance replacement will be scheduled if no other updates are available.

☐ Activated

CloudShell

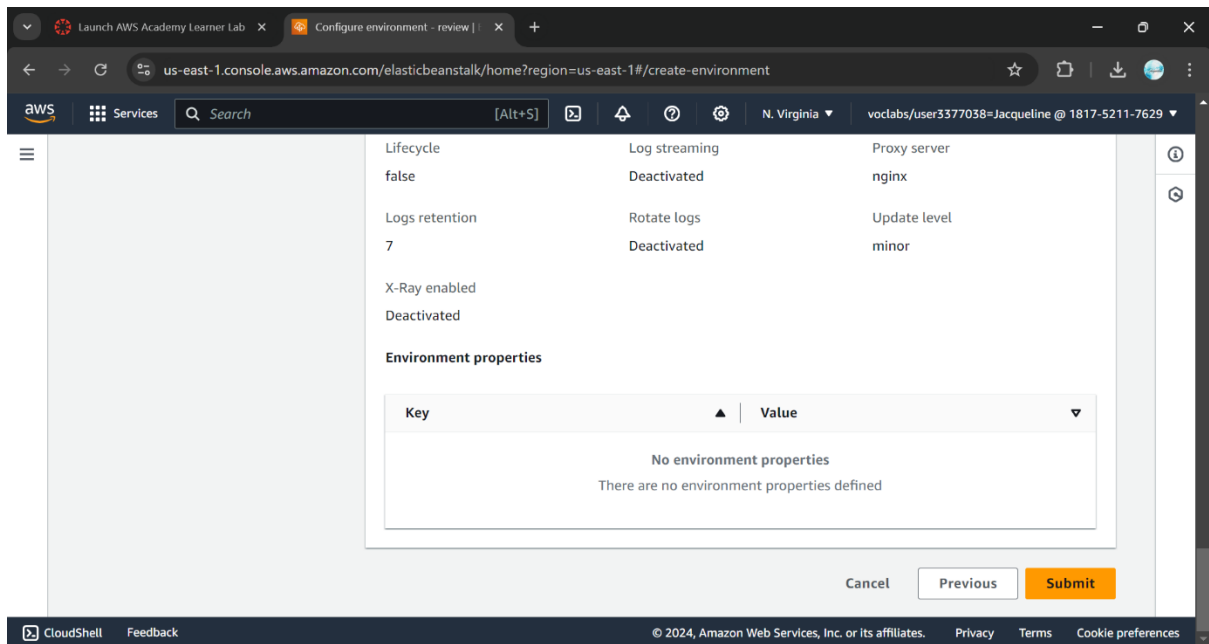
Feedback

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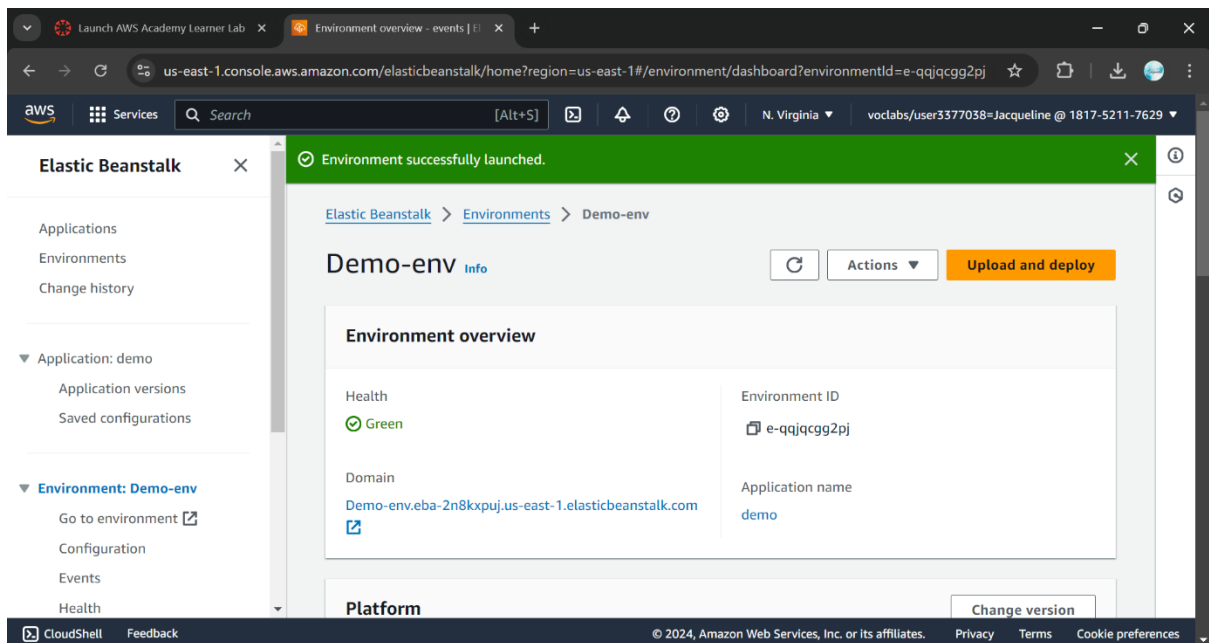
Privacy

Terms

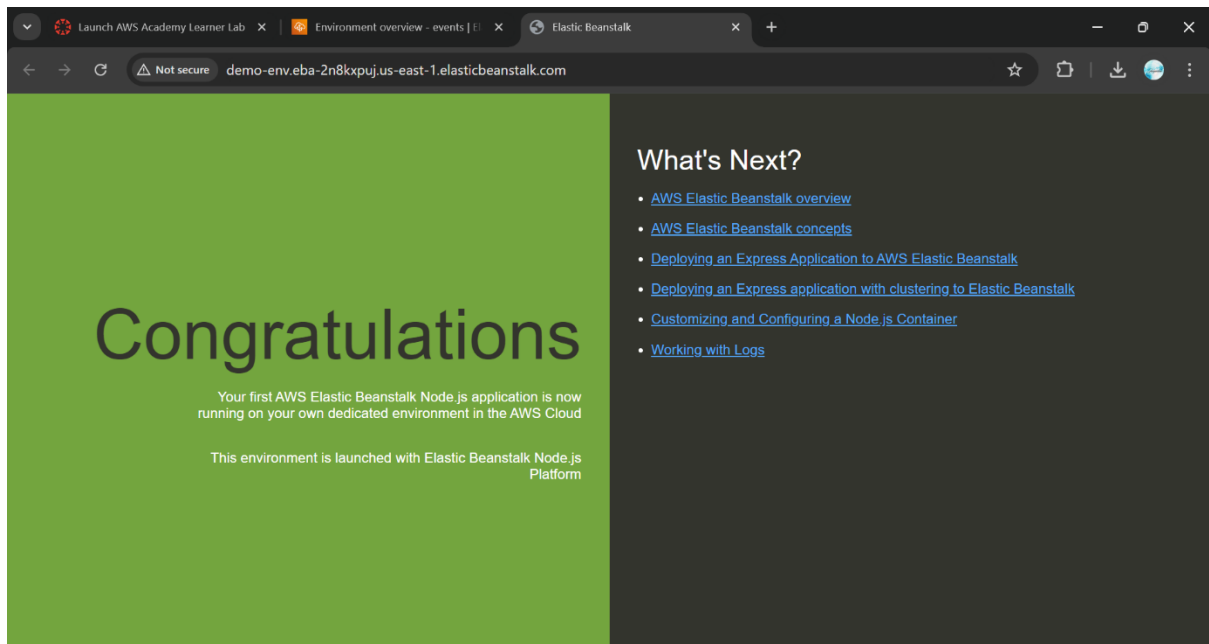
Cookie preferences



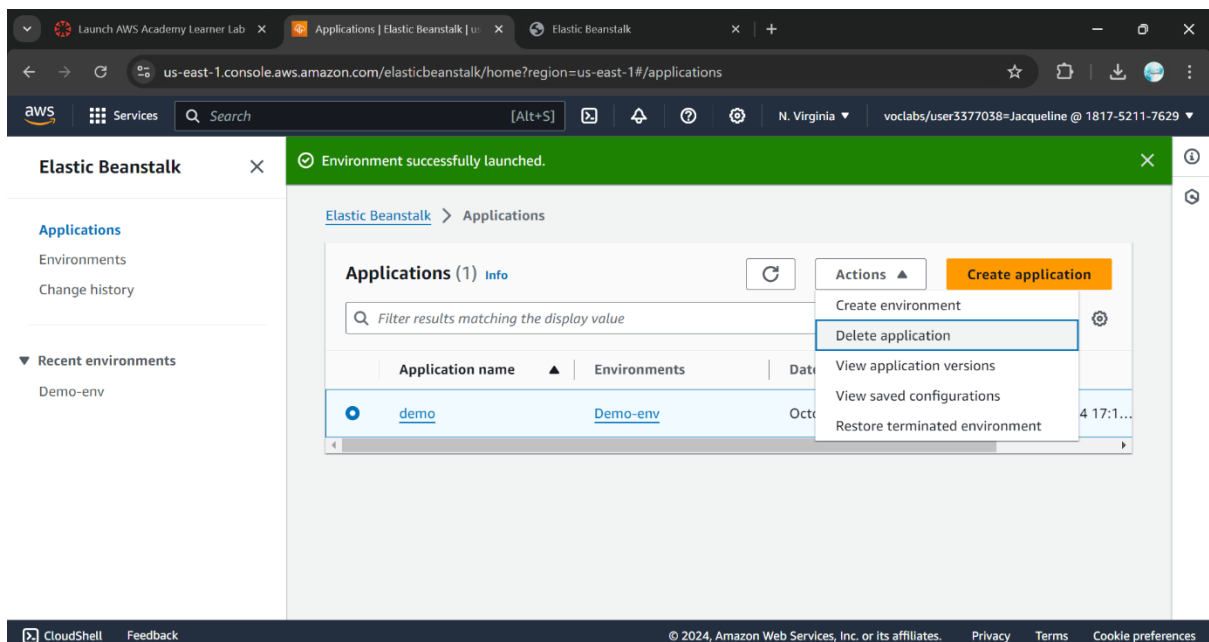
Step 5: Now all the events will be created as its own.

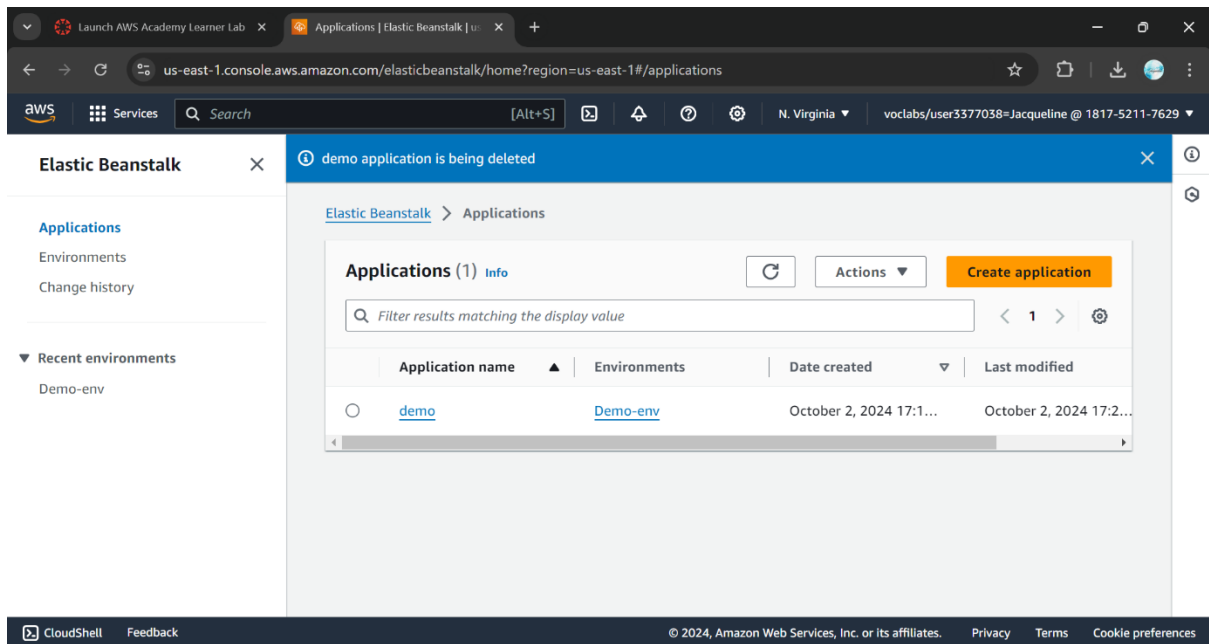


Step 6: The following screen will appear which means the practical has been successfully done.

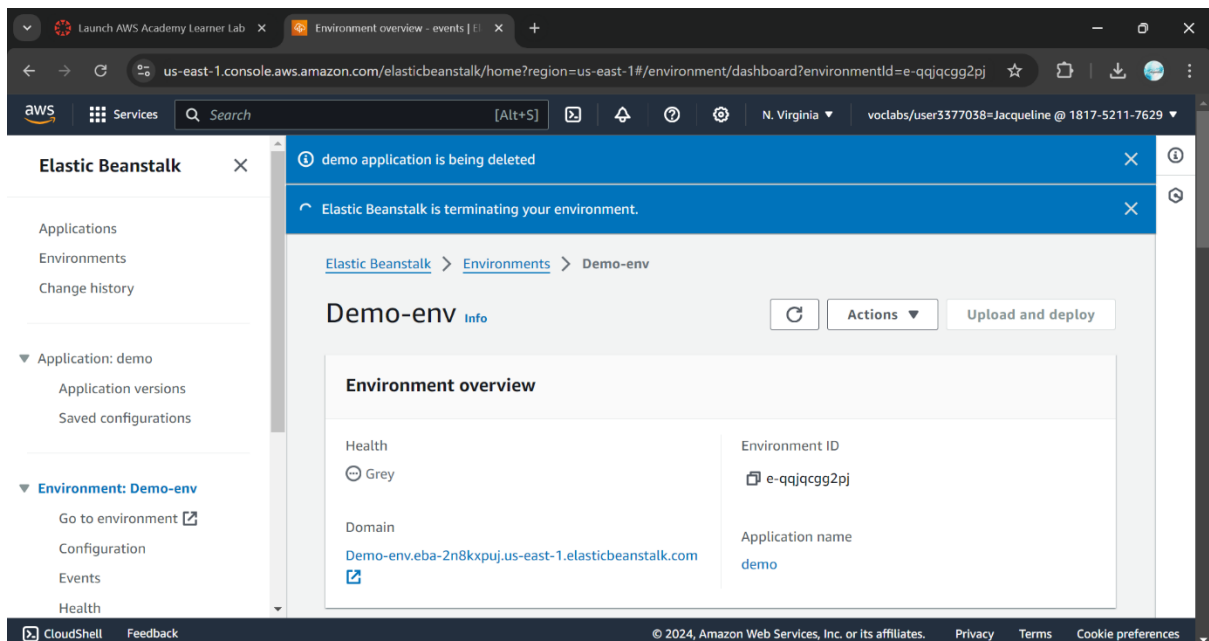


Step 7: Delete the application.





Step 7: Environment is cleaned and then release the elastic ip address if any.



Launch AWS Academy Learner Lab

Environment overview - events

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-qqjqcgg2pj

aws Services Search [Alt+S]

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Elastic Beanstalk

Applications

Environments

Change history

Application: demo

Application versions

Saved configurations

Environment: Demo-env

Go to environment

Configuration

Events

Health

Environment successfully terminated.

[Elastic Beanstalk](#) > [Environments](#) > Demo-env

Demo-env

Actions

Upload and deploy

Environment overview

Health

Unknown

Environment ID

e-qqjqcgg2pj

Domain

-

Application name

demo

Platform

Change version

CloudShell

Feedback

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