

ADVANCE DEVOPS EXPERIMENT NO. 2

The screenshot shows the Amazon Elastic Beanstalk console landing page. The header includes the AWS logo, 'Services' menu, a search bar, and user information for 'voclabs/user3394940-SHAHANE_ANUSHKA_NILESH @ 9383-0613-8750' in the 'N. Virginia' region. The main content area features a large heading 'Amazon Elastic Beanstalk End-to-end web application management.' followed by a description of the service. A 'Get started' section contains a 'Create application' button. A 'Pricing' section explains that there is no additional charge for Elastic Beanstalk itself, but resources like Amazon S3 and Amazon EC2 are billed. The footer includes 'CloudShell', 'Feedback', and copyright information for 2024.

Compute

Amazon Elastic Beanstalk

End-to-end web application management.

Amazon Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.

Get started

You simply upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, and automatic scaling to web application

Get started

Easily deploy your web application in minutes.

[Create application](#)

Pricing

There's no additional charge for Elastic Beanstalk. You pay for Amazon Web Services resources that we create to store and run your web application, like Amazon S3 buckets and Amazon EC2 instances.

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The screenshot shows the 'Configure environment' step in the Amazon Elastic Beanstalk console. The left sidebar lists six steps: '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', and 'Step 6: Review'. The main content area is titled 'Configure environment' and includes an 'Info' icon. It contains two sections: 'Environment tier' and 'Application information'. The 'Environment tier' section has two radio button options: 'Web server environment' (selected) and 'Worker environment'. The 'Application information' section has a text input field for 'Application name' with the value 'Anushka123' and a note about the maximum length of 100 characters. There is also an expandable section for 'Application tags (optional)'. The footer is identical to the previous screenshot.

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
Review

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

Anushka123

Maximum length of 100 characters.

► Application tags (optional)

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Services

Search

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N. Virginia

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Platform

Info

Platform type

☒ Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. [Learn more](#)

☐ Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

PHP

Platform branch

PHP 8.3 running on 64bit Amazon Linux 2023

Platform version

4.3.2 (Recommended)

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Application code

Info

☒ Sample application

☐ Existing version
Application versions that you have uploaded.

☐ Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

Presets

Info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Configuration presets

☒ Single instance (free tier eligible)

☐ Single instance (using spot instance)

☐ High availability

☐ High availability (using spot and on-demand instances)

☐ Custom configuration

Cancel

Next

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How would you rate your experience with this service console? ☆ ☆ ☆ ☆ ☆

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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

[Review](#)

Service role

☐ Create and use new service role

☒ Use an existing service role

Existing service roles

Choose an existing IAM role for Elastic Beanstalk to assume as a service role. The existing IAM role must have the required IAM managed policies.

EC2 key pair

Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Anushka

EC2 instance profile

Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

View permission details

Cancel

Skip to review

Previous

Next

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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

[Review](#)

Configure instance traffic and scaling - optional Info

▼ 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

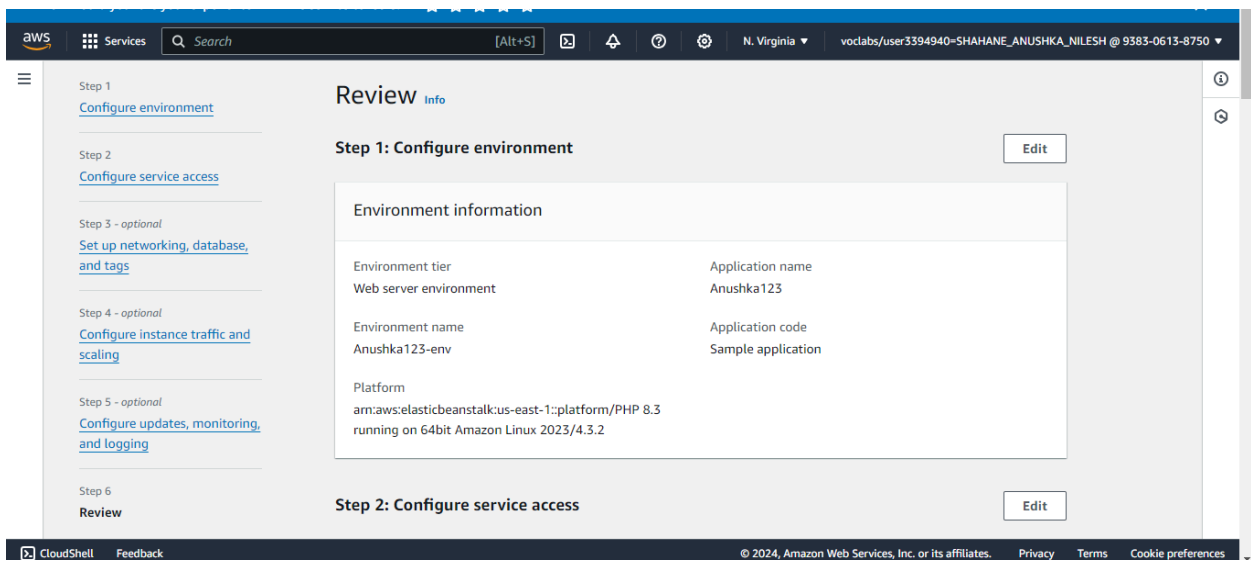
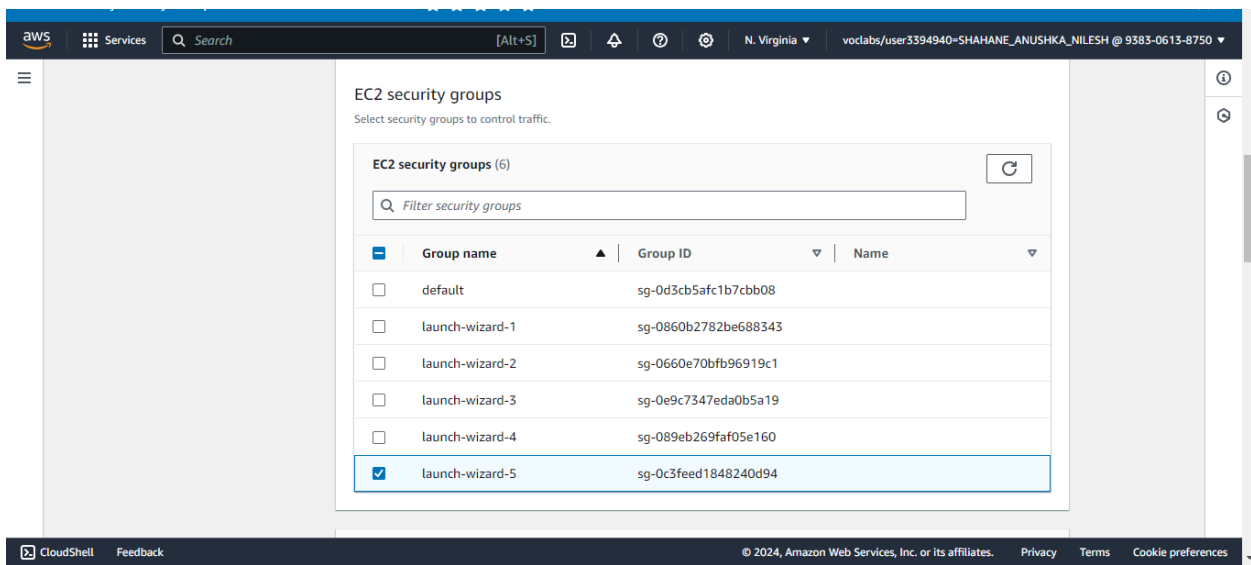
Input/output operations per second for a provisioned IOPS (SSD) volume.

100 IOPS

Throughput

The desired throughput to provision for the Amazon EBS root volume attached to your environment's EC2 instances.

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On-demand above base

0

Processor type

x86_64

Availability Zones

Any

Unit

Bytes

Upper threshold

6000000

Scale down increment

-1

Load balancer

Load balancer visibility

public

Capacity rebalancing

Deactivated

Instance types

t3.micro,t3.small

Metric

NetworkOut

Period

5

Scale up increment

1

Load balancer type

application

Scaling cooldown

360

AMI ID

ami-01666c45687a3fe87

Statistic

Average

Breach duration

5

Lower threshold

2000000

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Off

Memory limit

256M

Logs retention

7

X-Ray enabled

Deactivated

Environment properties

Key

Value

No environment properties

There are no environment properties defined

-

Zlib output compression

Off

Rotate logs

Deactivated

60

Proxy server

nginx

Update level

minor

Cancel

Previous

Submit

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Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1
Choose pipeline settings

Step 2
Add source stage

Step 3
Add build stage

Step 4
Add deploy stage

Step 5
Review

Choose pipeline settings info

Step 1 of 5

Pipeline settings

Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.

No more than 100 characters

Pipeline type

ⓘ You can no longer create V1 pipelines through the console. We recommend you use the V2 pipeline type with improved release safety, pipeline triggers, parameterized pipelines, and a new billing model.

Execution mode
Choose the execution mode for your pipeline. This determines how the pipeline is run.

☐ **Superseded**
A more recent execution can overtake an older one. This is the default.

☒ **Queued (Pipeline type V2 required)**
Executions are processed one by one in the order that they are queued.

☐ **Parallel (Pipeline type V2 required)**
Executions don't wait for other runs to complete before starting or finishing.

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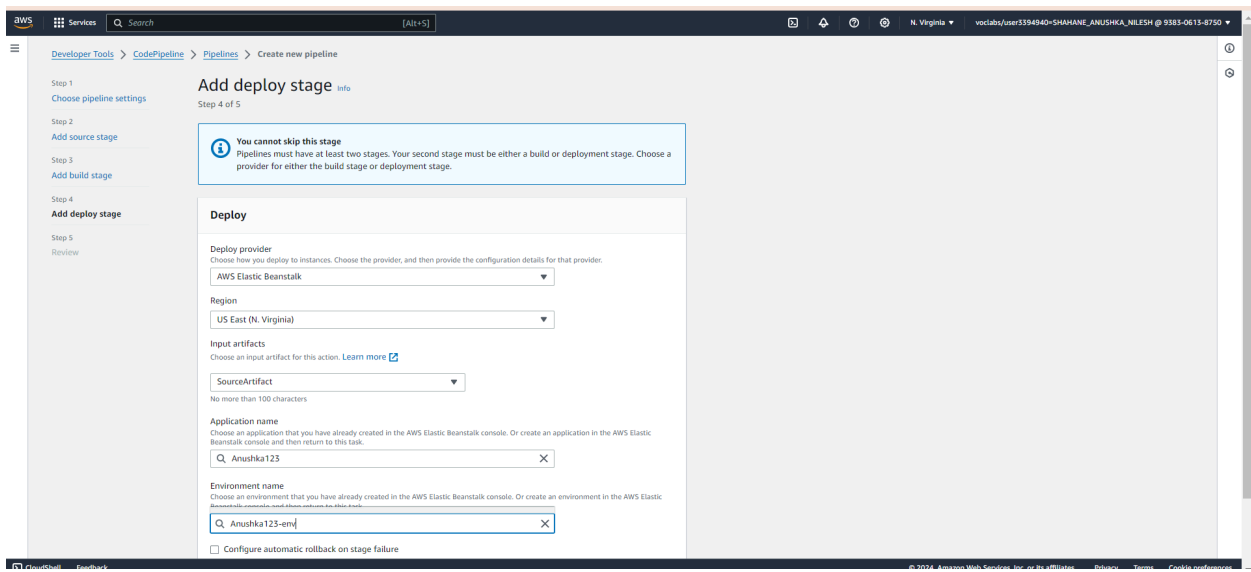
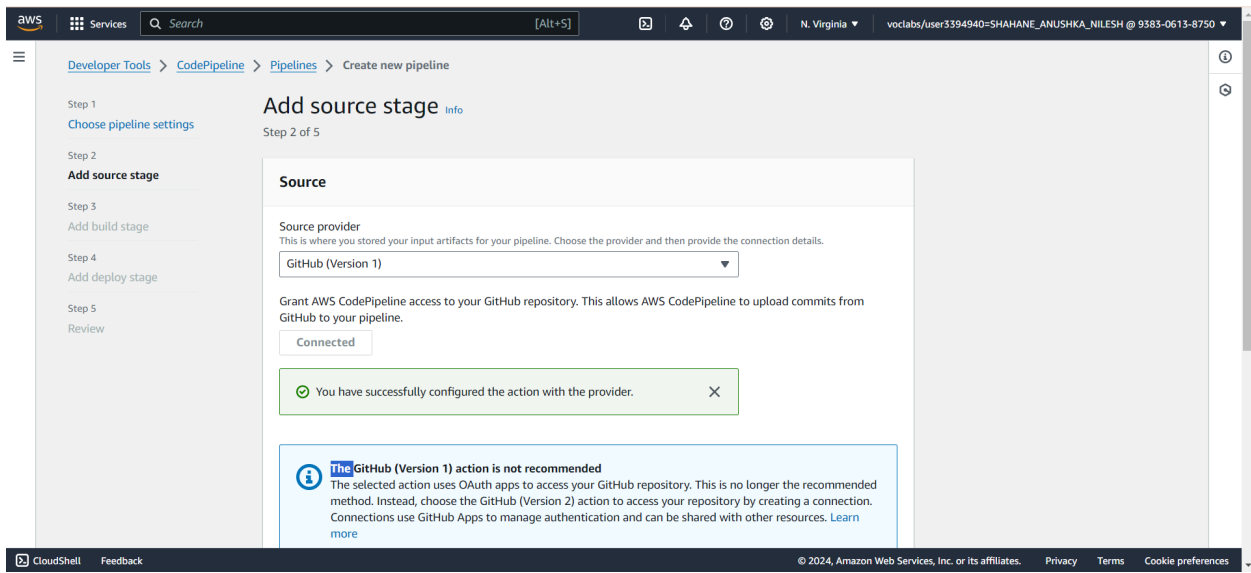
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Variables		
Name	Default value	Description
No variables		
No variables defined at the pipeline level in this pipeline.		

Step 2: Add source stage

Source action provider
Source action provider
GitHub (Version 1)
PollForSourceChanges
true
Repo
ChillNGrill
Owner
Anushka3204
Branch

Step 3: Add build stage

Build action provider

Build stage

No build

Step 4: Add deploy stage

Deploy action provider

Deploy action provider

AWS Elastic Beanstalk

ApplicationName

Anushka123

EnvironmentName

Anushka123-env

Configure automatic rollback on stage failure

Disabled

Cancel

Previous

Create pipeline

CodePipeline

Source • CodeCommit

Artifacts • CodeArtifact

Build • CodeBuild

Deploy • CodeDeploy

Pipeline • CodePipeline

Getting started

Pipelines

Pipeline

History

Settings

Settings

Go to resource

Feedback

Source

Succeeded

Pipeline execution ID: a6c98be3-8dc0-458e-8a26-c358dbb77e26

Source

GitHub (Version 2)

Succeeded - 1 minute ago

8f65da54

Source: Update README.md

Disable transition

Deploy

Succeeded

Pipeline execution ID: a6c98be3-8dc0-458e-8a26-c358dbb77e26

Deploy

AWS Elastic Beanstalk

Succeeded - Just now

8f65da54

Source: Update README.md

✓

✓

