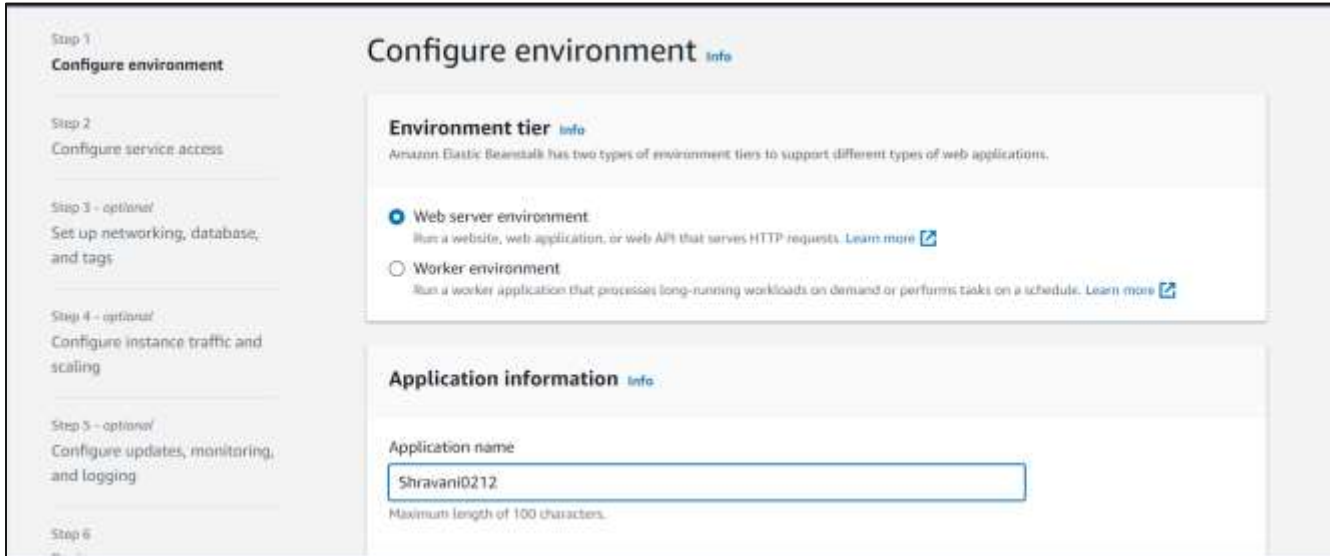
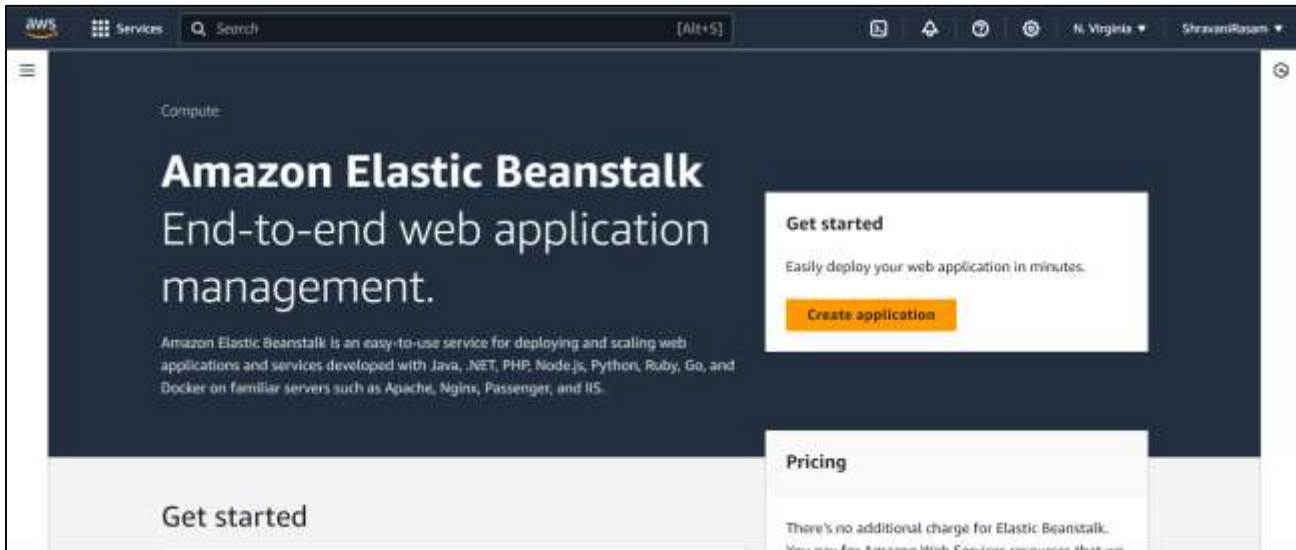


ADVANCE DEVOPS EXPERIMENT 2

Aim : To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy



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) ▼

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

Service access

IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role

- ☒ Create and use new service role
- ☐ Use an existing service role

Service role name

Enter the name for an IAM role that Elastic Beanstalk will create to assume as a service role. Beanstalk will attach the required managed policies to it.

[View permission details](#)

EC2 key pair

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



EC2 instance profile

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



[View permission details](#)

Set up networking, database, and tags - *optional* [Info](#)

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](#)



[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.

☐ Activated

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.

GB

IOPS

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

IOPS

Throughput

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

MiB/s

IMDSv1

With the current setting, the environment enables only IMDSv2.

☒ Deactivated

EC2 security groups

Select security groups to control traffic.

EC2 security groups (2)

<input type="checkbox"/>	Group name ▲	Group ID ▼	Name ▼
<input type="checkbox"/>	default	sg-0d01379e2337f440c	
<input checked="" type="checkbox"/>	launch-wizard-1	sg-09d0aa803c7b2ea69	

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](#)

Review

Info

Step 1: Configure environment

Edit

Environment information

Environment tier

Web server environment

Application name

Shravani0212

Environment name

Shravani0212-env

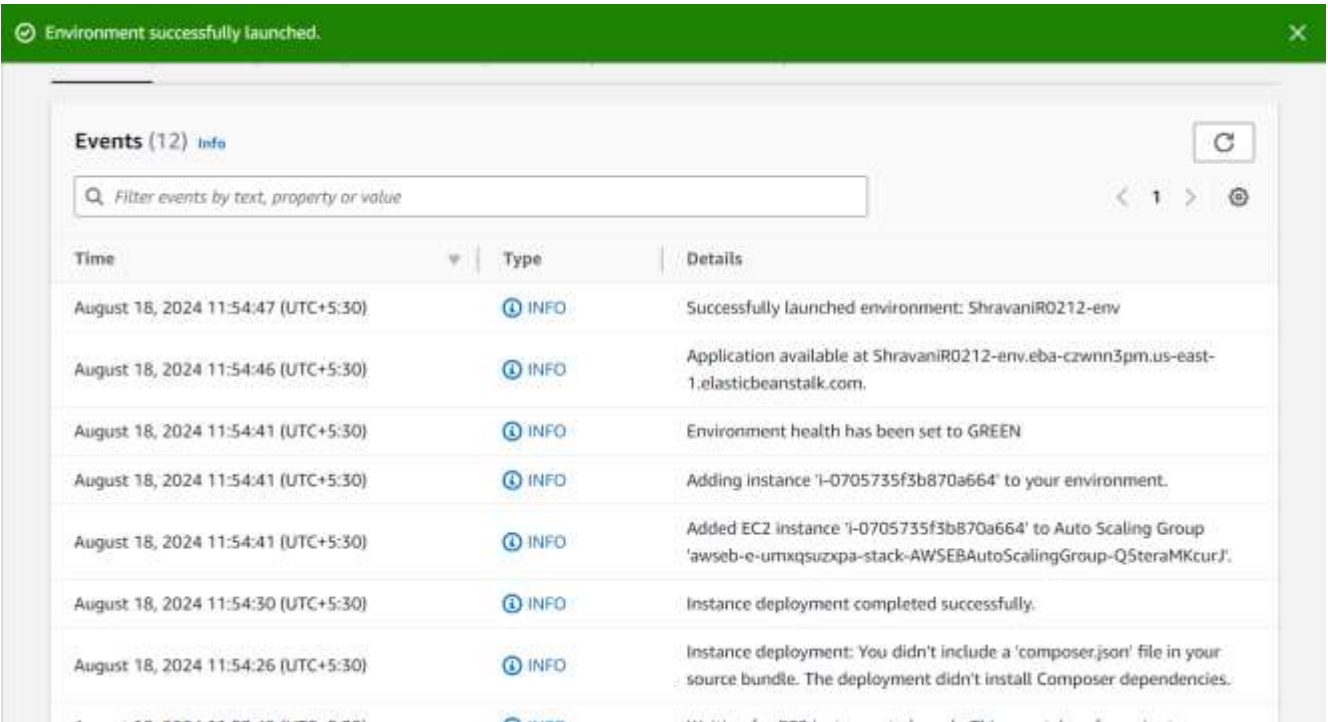
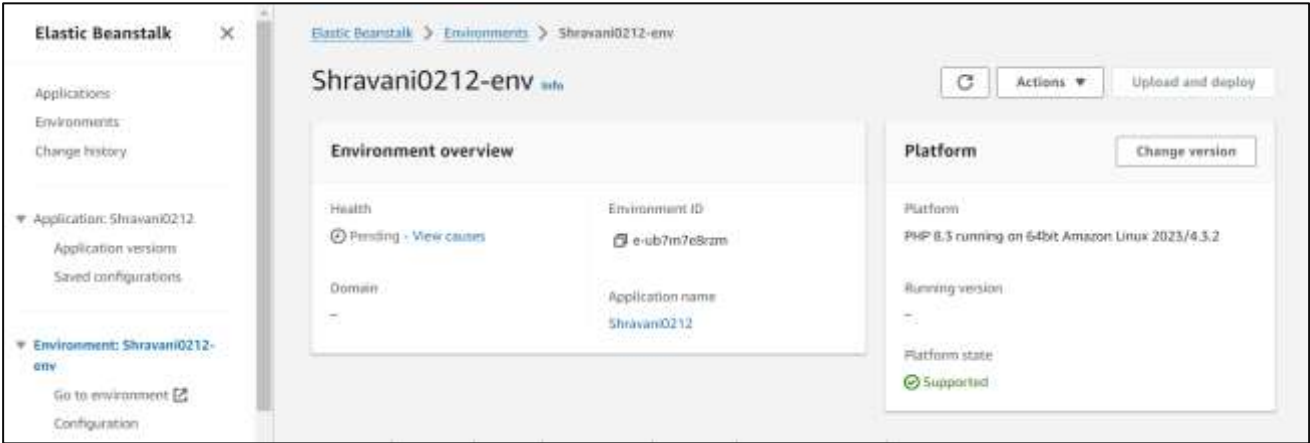
Application code

Sample application

Platform

arn:aws:elasticbeanstalk:us-east-1::platform/PHP 8.3 running on 64bit Amazon Linux 2023/4.3.2

false	Deactivated	On
Display errors	Document root	Max execution time
Off	-	60
Memory limit	Zlib output compression	Proxy server
256M	Off	nginx
Logs retention	Rotate logs	Update level
7	Deactivated	minor
X-Ray enabled		
Deactivated		
Environment properties		
<div><div>Key</div><div>Value</div></div> <div>No environment properties</div> <div>There are no environment properties defined</div>		
Cancel		<div>Previous</div> <div>Submit</div>



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.

Shravani_Pipeline

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.

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

Add source stage info

Step 2 of 5

Source

Source provider


This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.

GitHub (Version 1)

Grant AWS CodePipeline access to your GitHub repository. This allows AWS CodePipeline to upload commits from GitHub to your pipeline.

Connected

You have successfully configured the action with the provider.



The GitHub (Version 1) action is not recommended
 The selected action uses OAuth apps to access your GitHub repository. This is no longer the recommended method. Instead, choose the GitHub (Version 2) action to access your repository by creating a connection. Connections use GitHub Apps to manage authentication and can be shared with other resources. [Learn more](#)

Repository

✕

Branch

✕

main

Choose a detection mode to automatically start your pipeline when a change occurs in the source code.

☒ **GitHub webhooks (recommended)**
Use webhooks in GitHub to automatically start my pipeline when a change occurs

☐ **AWS CodePipeline**
Use AWS CodePipeline to check periodically for changes

Cancel
Previous
Next

Deploy

Deploy provider
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

AWS Elastic Beanstalk
▼

Region

US East (N. Virginia)
▼

Input artifacts
Choose an input artifact for this action. [Learn more](#)

SourceArtifact
▼

No more than 100 characters

Application name
Choose an application that you have already created in the AWS Elastic Beanstalk console. Or create an application in the AWS Elastic Beanstalk console and then return to this task.

✕

Environment name
Choose an environment that you have already created in the AWS Elastic Beanstalk console. Or create an environment in the AWS Elastic Beanstalk console and then return to this task.

✕

☐ Configure automatic rollback on stage failure

Step 1

Choose pipeline settings

Step 2

Add source stage

Step 3

Add build stage

Step 4

Add deploy stage

Step 5

Review

Review

Info

Step 5 of 5

Step 1: Choose pipeline settings

Pipeline settings

Pipeline name

Shravani_Pipeline

Pipeline type

V2

Execution mode

QUEUED

Artifact location

A new Amazon S3 bucket will be created as the default artifact store for your pipeline.

Service role name

Shravani

Step 4: Add deploy stage

Deploy action provider

Deploy action provider

AWS Elastic Beanstalk

ApplicationName

ShravaniR0212

EnvironmentName

ShravaniR0212-env

Configure automatic rollback on stage failure

Disabled

Cancel

Previous

Create pipeline

Shravani_Pipeline Notify Edit Stop execution Clone pipeline Release change

Pipeline type: **V2** Execution mode: **QUEUED**

Source Succeeded

Pipeline execution ID: [98ed7111-1a52-467c-ba08-72399220f9dc](#)

Source

[Github:Version:1.1](#)

Succeeded - 1 minute ago

[11/02/21](#)

View details

[11/02/21](#) Source: Add files via upload

Disable transition


Deploy Succeeded Start rollback


Pipeline execution ID: [98ed7111-1a52-467c-ba08-72399220f9dc](#)

Deploy

[AWS Elastic Beanstalk](#)

ShravaniR0212-env.nba.quasdox.us.east1-1elasticbeanstalk.com

 **Shravani's Ice Cream Parlor** Gallery Services Contact



Welcome to Shravani's Ice Cream Parlor

"Scoops of Joy in Every Cone! Chill Out with Our Creamy Delights!"

Explore Our Services

USING S3 BUCKET

User details

User name

testuser

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☒ Provide user access to the AWS Management Console - *optional*

If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.



Are you providing console access to a person?

User type

☐ Specify a user in Identity Center - Recommended

We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

☒ I want to create an IAM user

We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ General purpose

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ Directory - New

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

shravani-aws

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3-./bucket/prefix

Files and folders (13 Total, 3.6 MB)

Find by name

Name	Folder	Type	Size	Status	Error
facebook.sv...	-	image/svg+...	283.0 B	✓ Succeeded	-
hero.png	-	image/png	439.9 KB	✓ Succeeded	-
img1.jpg	-	image/jpeg	122.6 KB	✓ Succeeded	-
img2.jpg	-	image/jpeg	8.7 KB	✓ Succeeded	-
img3.jpg	-	image/jpeg	98.1 KB	✓ Succeeded	-
img4.jpg	-	image/jpeg	87.2 KB	✓ Succeeded	-
index.html	-	text/html	3.2 KB	✓ Succeeded	-
instagram.s...	-	image/svg+...	566.0 B	✓ Succeeded	-

Edit static website hosting Info

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

- ☐ Disable
☒ Enable

Hosting type

- ☒ Host a static website
 Use the bucket endpoint as the web address. [Learn more](#)
☐ Redirect requests for an object
 Redirect requests to another bucket or domain. [Learn more](#)

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document

Specify the home or default page of the website.

index.html

🔔 Successfully edited public access
View details below.

Make public: status

🔔 The information below will no longer be available after you navigate away from this page.

Summary

Source: s3://shravani-aws	Successfully edited public access 🟢 13 objects, 3.6 MB	Failed to edit public access 0 objects
--	---	---

