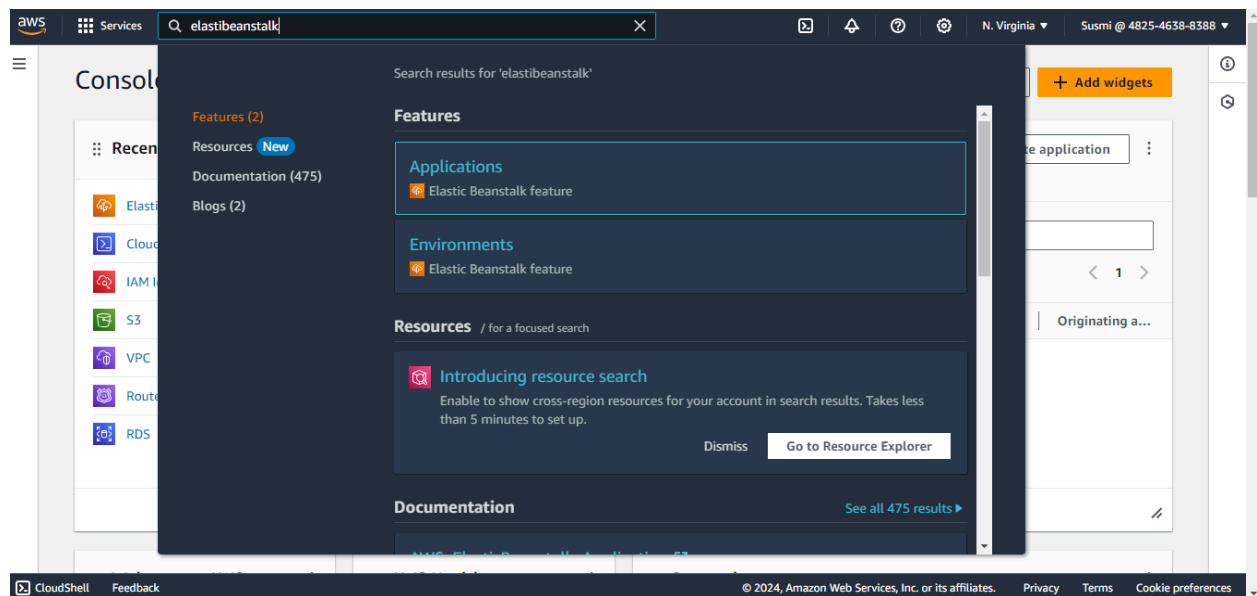
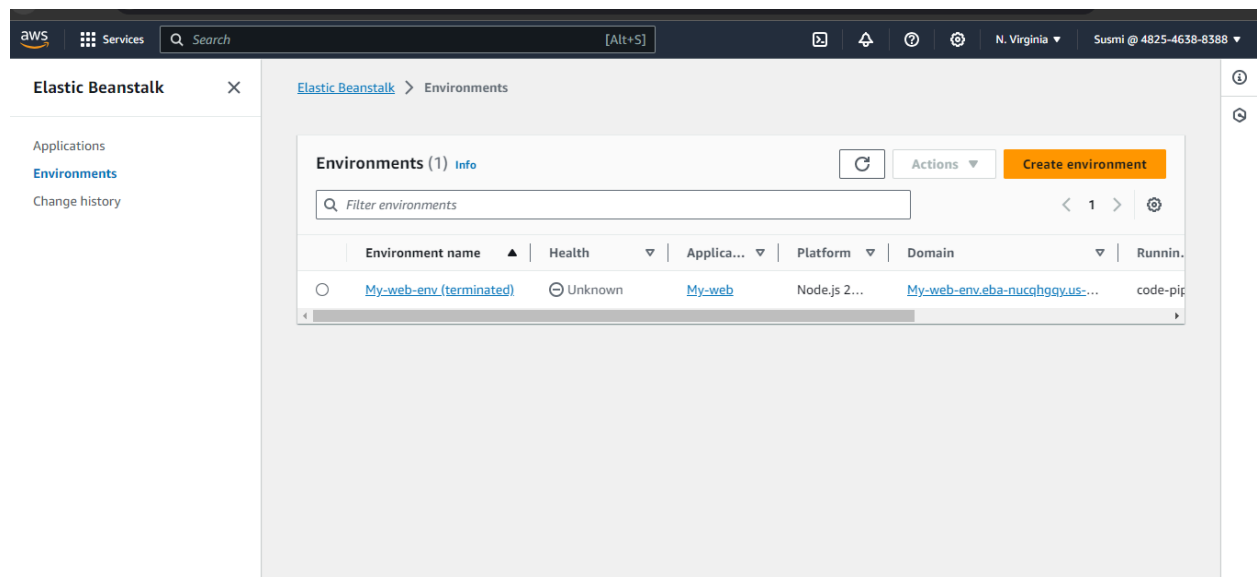


Step 1: Create a deployment environment.

a. Search for elastic beanstalk from the search bar and choose elastic beanstalk.



b. Choose create environment



C. Give application name as “demo_application”

The screenshot shows the AWS Elastic Beanstalk console. On the left, a sidebar lists the setup steps: 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 divided into three sections. The 'Environment tier' section explains that Amazon Elastic Beanstalk has two types of environment tiers: 'Web server environment' (selected) and 'Worker environment'. The 'Application information' section contains a text input field for 'Application name' with the value 'demo_application' and a note that the maximum length is 100 characters. Below this is a section for 'Application tags (optional)'. The 'Environment information' section at the bottom prompts the user to choose a name, subdomain, and description for their environment, noting that these cannot be changed later. The top navigation bar includes the AWS logo, a search bar, and the user's account information (Susmi @ 4825-4638-8388).

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

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_application

Maximum length of 100 characters.

► Application tags (optional)

Environment information [Info](#)

Choose the name, subdomain and description for your environment. These cannot be changed later.

D. Choose platform as “PHP” and specify “version”

The screenshot shows the 'Platform' section of the AWS Elastic Beanstalk console. The 'Platform type' section has two options: 'Managed platform' (selected) and 'Custom platform'. The 'Platform' dropdown menu is set to 'PHP'. The 'Platform branch' dropdown menu is set to 'PHP 8.2 running on 64bit Amazon Linux 2023'. The 'Platform version' dropdown menu is set to '4.0.5 (Recommended)'. The 'Application code' section is partially visible at the bottom. The top navigation bar and sidebar are consistent with the previous screenshot.

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 8.2 running on 64bit Amazon Linux 2023

Platform version

4.0.5 (Recommended)

Application code [Info](#)

E. Click on NEXT .SKIP to review and create application.
Elastic Beanstalk will begin creating a sample environment for us.
It will take few minutes to complete set an environment.

Application code Info

☒ Sample application
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**

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-f3ddacgyqp

Elastic Beanstalk

Applications
Environments
Change history

▼ Application: demo_application
Application versions
Saved configurations

▼ **Environment: Demoapplication-env**
Go to environment [🔗](#)
Configuration
Events
Health
Logs
Monitoring

Environment successfully launched.

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

Demoapplication-env Info

[🔄](#) [Actions ▼](#) [Upload and deploy](#)

Environment overview

Health Ok	Environment ID e-f3ddacgyqp
Domain Demoapplication-env.eba-itmg33cg.us-east-1.elasticbeanstalk.com 🔗	Application name demo_application

Platform [Change version](#)

Platform
PHP 8.2 running on 64bit Amazon Linux 2023/4.0.5

Running version
-

Platform state
Supported

[Events](#) | [Health](#) | [Logs](#) | [Monitoring](#) | [Alarms](#) | [Managed updates](#) | [Tags](#)

Elastic Beanstalk is launching your environment. This will take a few minutes.

Events (6) Info

Filter events by text, property or value

Time	Type	Details
February 3, 2024 19:33:46 (UTC+5:30)	INFO	Waiting for EC2 instances to launch. This may take a few minutes.
February 3, 2024 19:33:30 (UTC+5:30)	INFO	Created EIP: 52.207.47.38
February 3, 2024 19:33:14 (UTC+5:30)	INFO	Created security group named: awseb-e-f3ddacgyqp-stack-AWSEBSecurityGroup-1MA7WCHF7MU
February 3, 2024 19:33:11 (UTC+5:30)	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 3 seconds). There are no instances.
February 3, 2024 19:32:54 (UTC+5:30)	INFO	Using elasticbeanstalk-us-east-1-482546388388 as Amazon S3 storage bucket for environment data.
February 3, 2024 19:32:53 (UTC+5:30)	INFO	createEnvironment is starting.

To use github as resource, fork the below repo

<https://github.com/aws-samples/aws-codepipeline-s3-codedeploy-linux>.

F.Create pipeline

Search for aws codepipeline from the management console and choose codepipeline.

Developer Tools > CodePipeline > Pipelines

Pipelines Info

Notify View history Release change Delete pipeline Create pipeline

Filter by text, property or value

Name	Latest execution status	Latest execution started	Most recent executions
No results			
There are no results to display.			

aws

Services

Search

[Alt+S]

N. Virginia

Susmi @ 4825-4638-8388

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

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
The pipeline type determines the pipeline structure and availability of parameters such as triggers. Pipeline type selection will impact features and pricing. [Which pipeline is right for me?](#)

☐ V1

☒ V2

Service role

☒ New service role
Create a service role in your account

☐ Existing service role
Choose an existing service role from your account

Role name

aws

Services

Search

[Alt+S]

N. Virginia

Susmi @ 4825-4638-8388

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

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 2)

New GitHub version 2 (app-based) action

To add a GitHub version 2 action in CodePipeline, you create a connection, which uses GitHub Apps to access your repository. Use the options below to choose an existing connection or create a new one. [Learn more](#)

Connection
Choose an existing connection that you have already configured, or create a new one and then return to this task.

 or

Connect to GitHub

aws

Services

Developer Tools > ... > Create connection

Create a connection

Create GitHub App connection

Connection name

sample connection

Tags - optional

Connect to GitHub

Feedback

Privacy

Terms

Cookie preferences

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region=us-east-1

[Alt+S]

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your pipeline. Choose the provider and then provide the connection details.

ed) action

in CodePipeline, you create a connection, which uses GitHub Apps to

ptions below to choose an existing connection or create a new one. Learn

ady configured, or create a new one and then return to this task.

Connecting

ect that the provided credentials can access. Use the format 'group/subgroup/project'.

anch and commit) or a pipeline trigger configuration, such as Git tags, but not both. Note:

will not enable automated change detection for the pipeline.

aws

Services

Developer Tools > ... > Create connection

Connect to GitHub

GitHub connection settings

Connection name

sample connection

GitHub Apps

GitHub Apps create a link for your connection with GitHub. To start, install a new app and save this connection.

or Install a new app

Tags - optional

Connect

Feedback

Privacy

Terms

Cookie preferences

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region=us-east-1

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your pipeline. Choose the provider and then provide the connection details.

ed) action

in CodePipeline, you create a connection, which uses GitHub Apps to

ptions below to choose an existing connection or create a new one. Learn

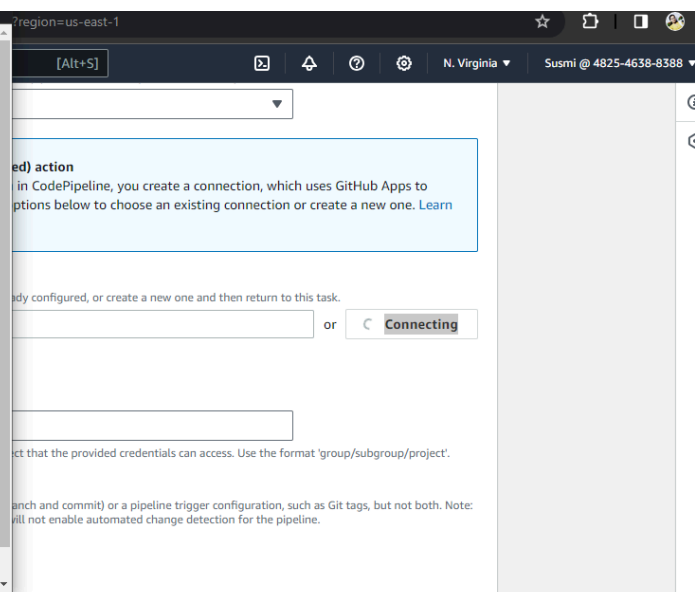
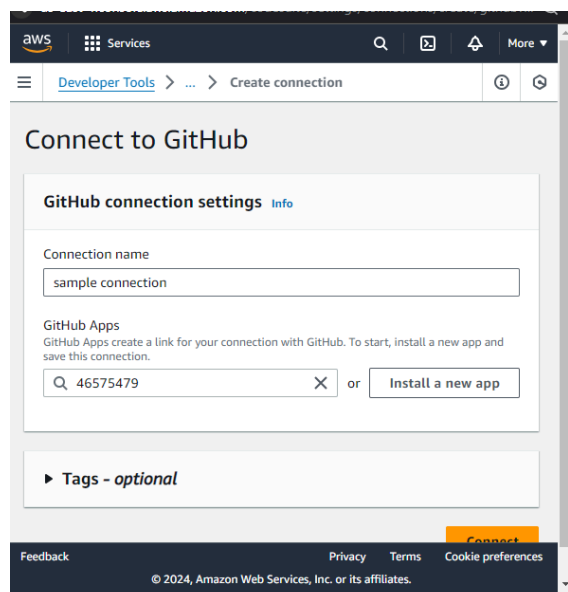
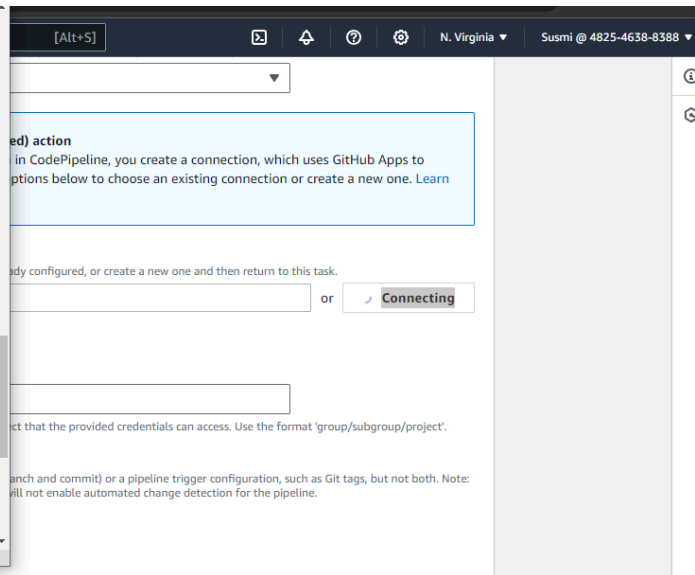
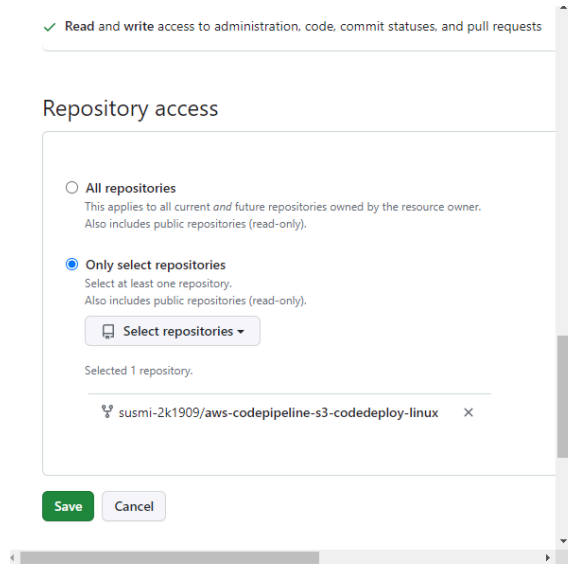
ady configured, or create a new one and then return to this task.

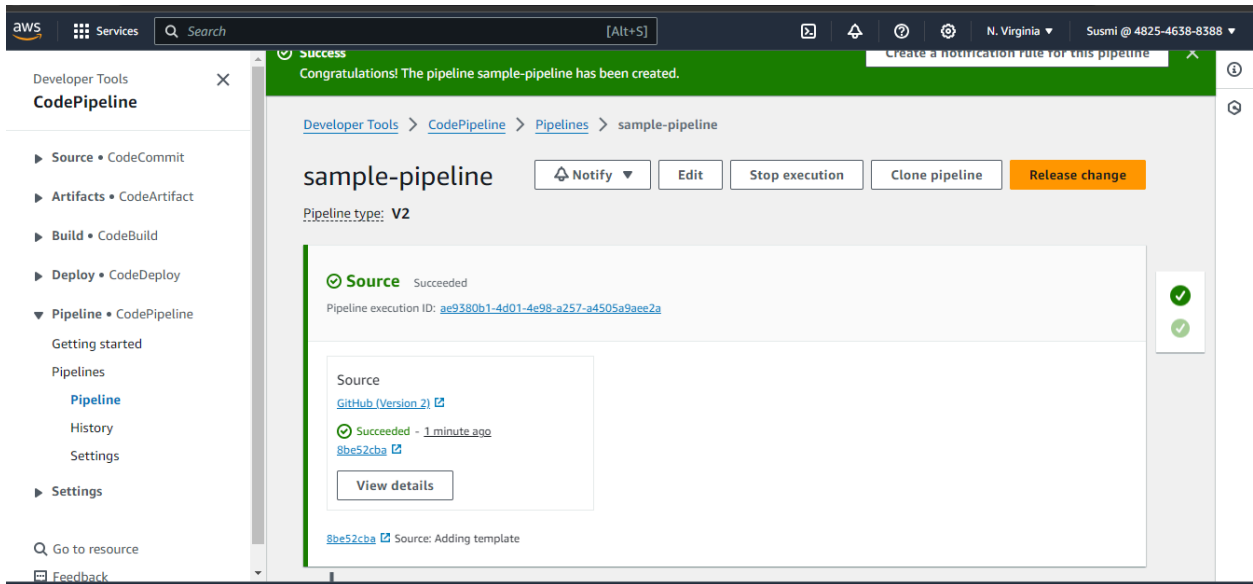
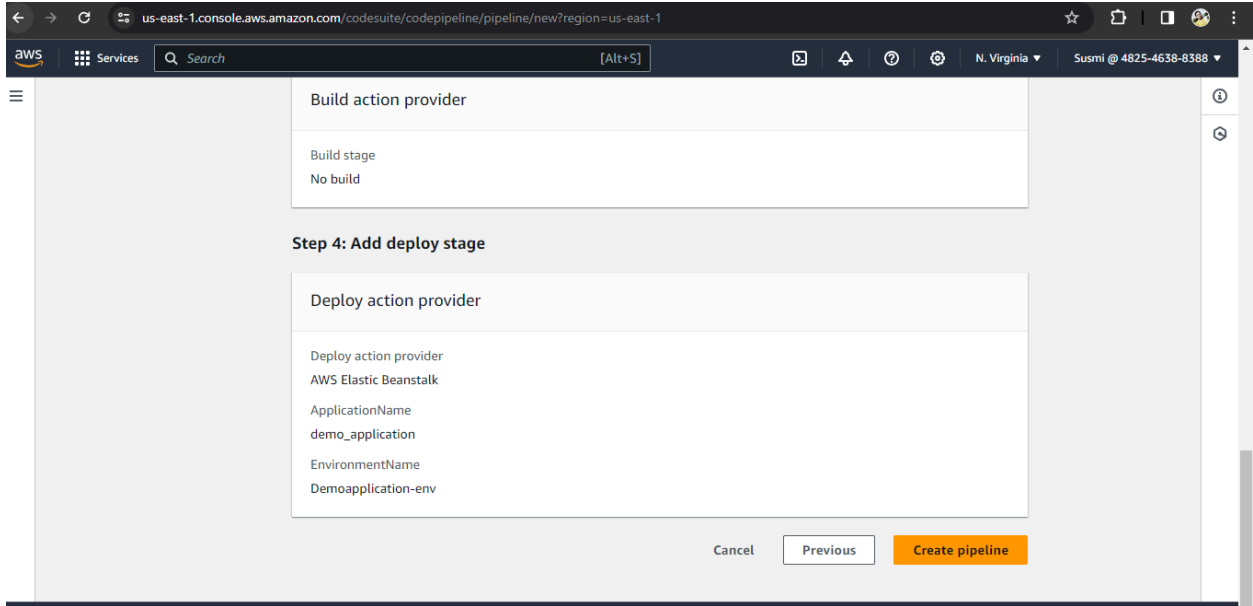
Connecting

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will not enable automated change detection for the pipeline.





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Developer Tools
CodePipeline

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy
- Pipeline • CodePipeline
 - Getting started
 - Pipelines
 - Pipeline**
 - History
 - Settings
 - Settings

Go to resource

8be52cba View details

8be52cba Source: Adding template

Disable transition

Deploy Succeeded
Pipeline execution ID: ae9380b1-4d01-4e98-a257-a4505a9aee2a

Deploy
AWS Elastic Beanstalk
Succeeded - 1 minute ago
View details

8be52cba Source: Adding template

aws Services Search [Alt+S] N. Virginia Susmi @ 4825-4638-8388

Elastic Beanstalk

- Applications
- Environments
- Change history

Application: demo_application

- Application versions
- Saved configurations

Recent environments
Demoapplication-env

Elastic Beanstalk > Applications > demo_application

Application demo_application environments (1) Info

Filter environments

Environment name	Health	Date cre...	Domain	Running ...	Platform
Demoapplication-env	Ok	February 3, ...	Demoapplication-env.eba-itm...	code-pipeli...	PHP 8.2 ru

aws Services Search [Alt+S] N. Virginia Susmi @ 4825-4638-8388

Elastic Beanstalk X

- Applications
- Environments
- Change history

▼ Application: demo_application

- Application versions
- Saved configurations

▼ Environment: Demoapplication-env

- Go to environment
- Configuration
- Events
- Health
- Logs
- Monitoring

Elastic Beanstalk > Environments > Demoapplication-env

Demoapplication-env Info

Actions Upload and deploy

Environment overview

Health ✔ Ok	Environment ID e-f3ddacgyqp
Domain Demoapplication-env.eba- itmg33cg.us-east- 1.elasticbeanstalk.com	Application name demo_application

Platform

Change version

Platform
PHP 8.2 running on 64bit Amazon Linux 2023/4.0.5

Running version
code-pipeline-1706969871622-
8be52cbae505bfa39bd17845c336ac55a4e3027e

Platform state
✔ Supported

Events Health Logs Monitoring Alarms Managed updates Tags

← → ↻ Not secure demoapplication-env.eba-itmg33cg.us-east-1.elasticbeanstalk.com ☆ | 📄 👤 ⋮

Congratulations!

You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.

For next steps, read the AWS CodePipeline Documentation.