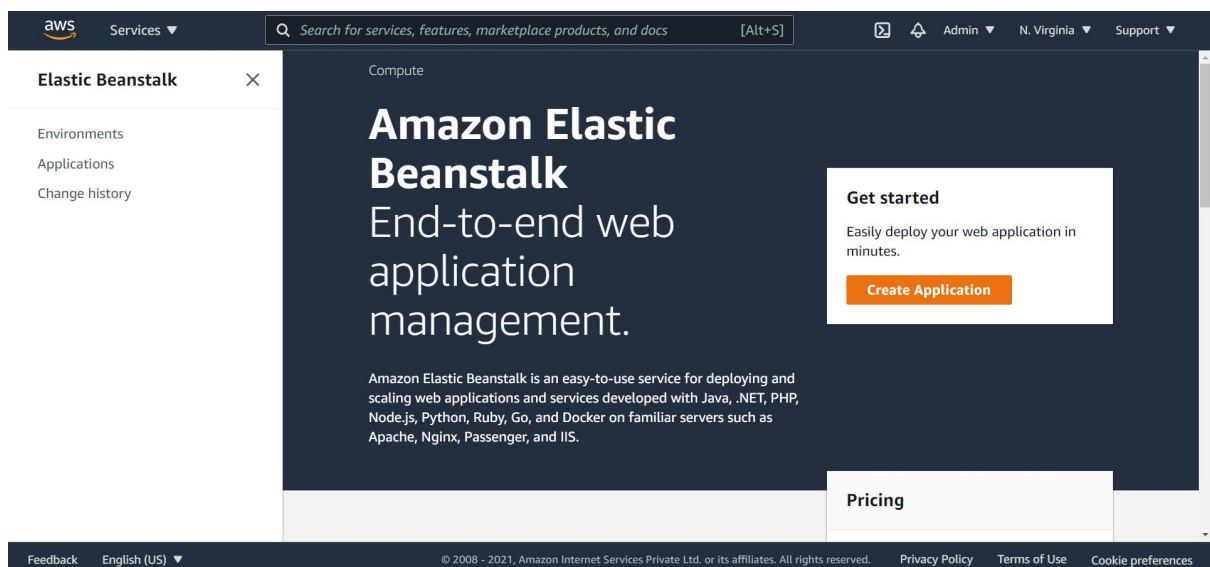


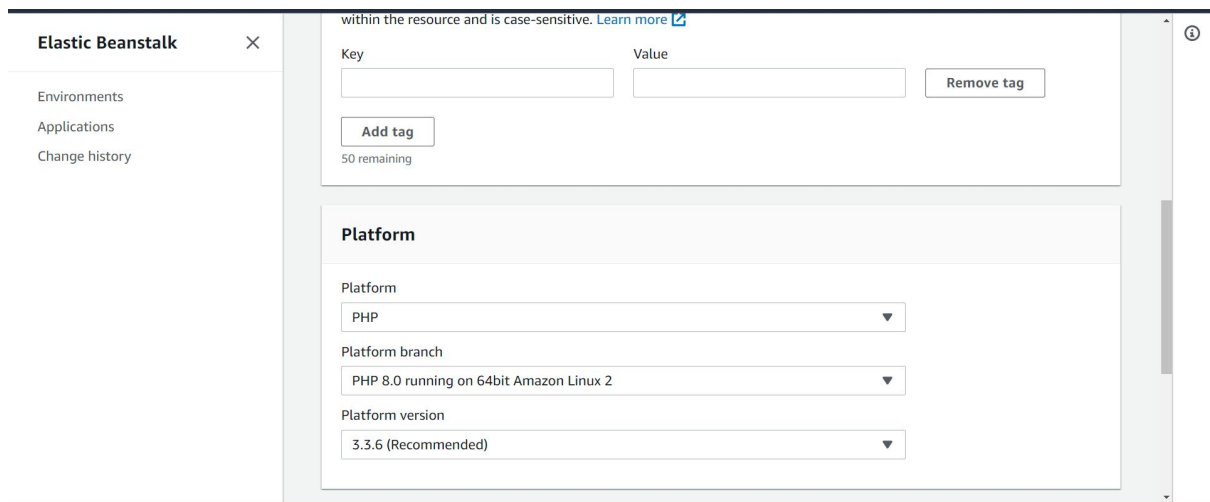
Assignment no. 02

IMPLEMENT AWS CodePipeline

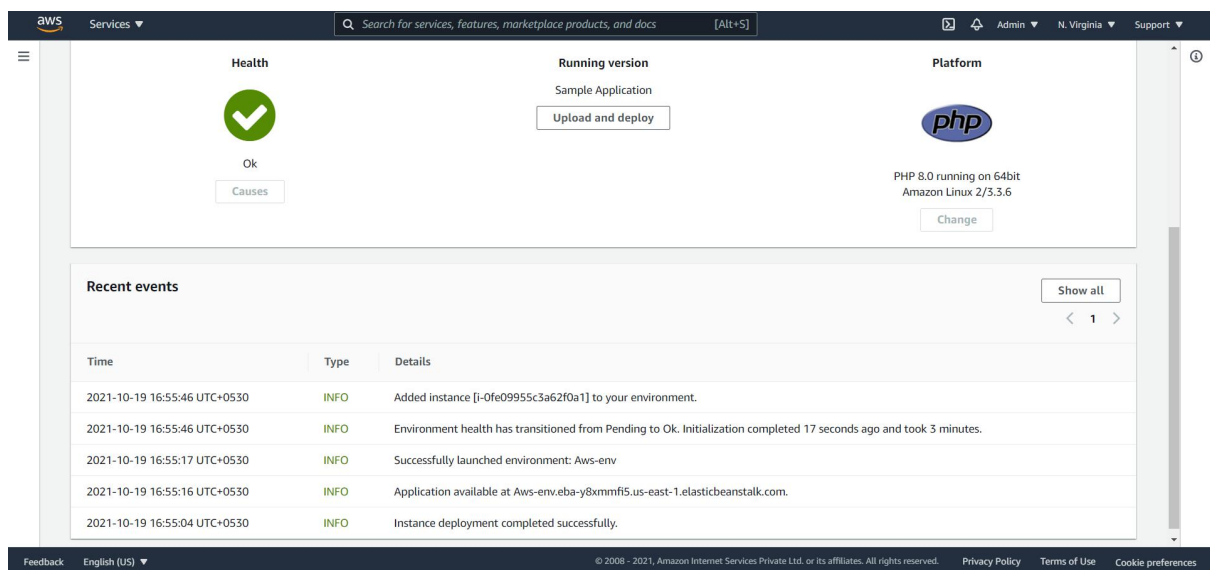
Step 1: Create a deployment environment using AWS EWS Beanstalk



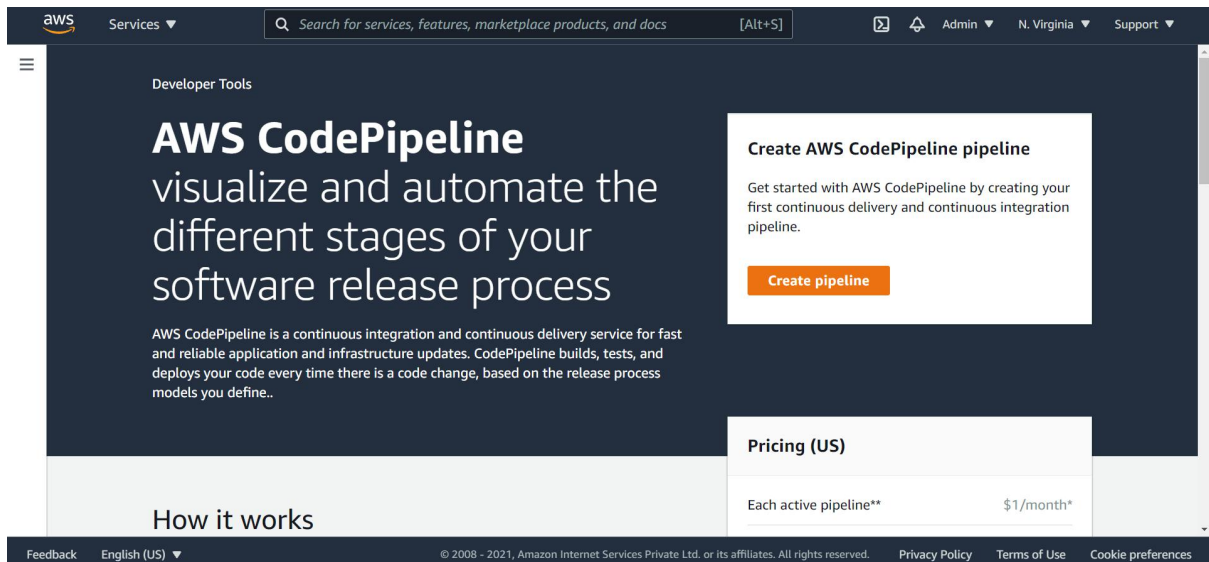
Step 2: Choose PHP from the drop-down menu and then click Launch Now



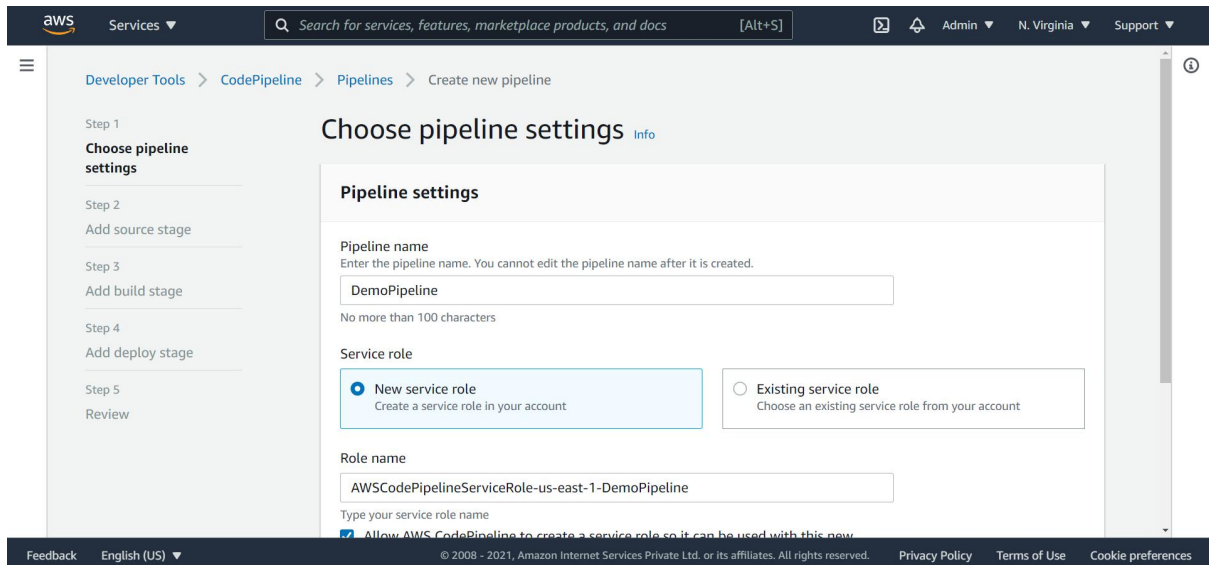
Step 3: Elastic Beanstalk has created sample environment to deploy your application



Step 4: Create a pipeline using AWS CodePipeline Console



Step 6: Give name to pipeline as DemoPipeline and click on Next Step



Step 7: Select GitHub as Source provider and click on Connect to GitHub in Connect to GitHub section

aws Services ▾ Search for services, features, marketplace products, and docs [Alt+S] Admin ▾ N. Virginia ▾ Support ▾

Add source stage

Step 3
Add build stage
Step 4
Add deploy stage
Step 5
Review

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.

arn:aws:codestar-connections:us-east-1:438219030332:connection/e8eab02 ✕ or [Connect to GitHub](#)

Ready to connect
Your GitHub connection is ready for use.

Repository name
Choose a repository in your GitHub account.

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Step 8: In Deploy page choose AWS Elastic Beanstalk as Deploy provider and give Application and Environment name of your choice

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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)

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.

My First Elastic Beanstalk Application ✕

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.

Default-Environment ✕

Cancel Previous Next

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Step 10: In Review page, review the information and click Create Pipeline

The screenshot displays the AWS CodePipeline console interface. The top navigation bar includes the AWS logo, a search bar, and links for Admin, N. Virginia, and Support. The breadcrumb trail shows the path: Developer Tools > CodePipeline > Pipelines > Create new pipeline. A left-hand sidebar lists the steps of the pipeline creation process: Step 1 (Choose pipeline settings), Step 2 (Add source stage), Step 3 (Add build stage), Step 4 (Add deploy stage), and Step 5 (Review). The 'Review' step is currently selected and highlighted in bold. The main content area is titled 'Review' and shows the details for 'Step 1: Choose pipeline settings'. These details are presented in a box titled 'Pipeline settings' and include: Pipeline name (DemoPipeline), Artifact location (A new Amazon S3 bucket will be created as the default artifact store for your pipeline), and Service role name (AWSCodePipelineServiceRole-us-east-1-DemoPipeline). Below this box, the text 'Step 2: Add source stage' is visible. The bottom of the page features a footer with 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

aws Services ▾ Search for services, features, marketplace products, and docs [Alt+S] Admin ▾ N. Virginia ▾ Support ▾

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

Review [Info](#)

Step 1: Choose pipeline settings

Pipeline settings

Pipeline name
DemoPipeline

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

Service role name
AWSCodePipelineServiceRole-us-east-1-DemoPipeline

Step 2: Add source stage

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aws Services ▾ Search for services, features, marketplace products, and docs [Alt+S] Admin ▾ N. Virginia ▾ Support ▾

Step 2: Add source stage

Source action provider

Source action provider
GitHub (Version 2)

OutputArtifactFormat
CODE_ZIP

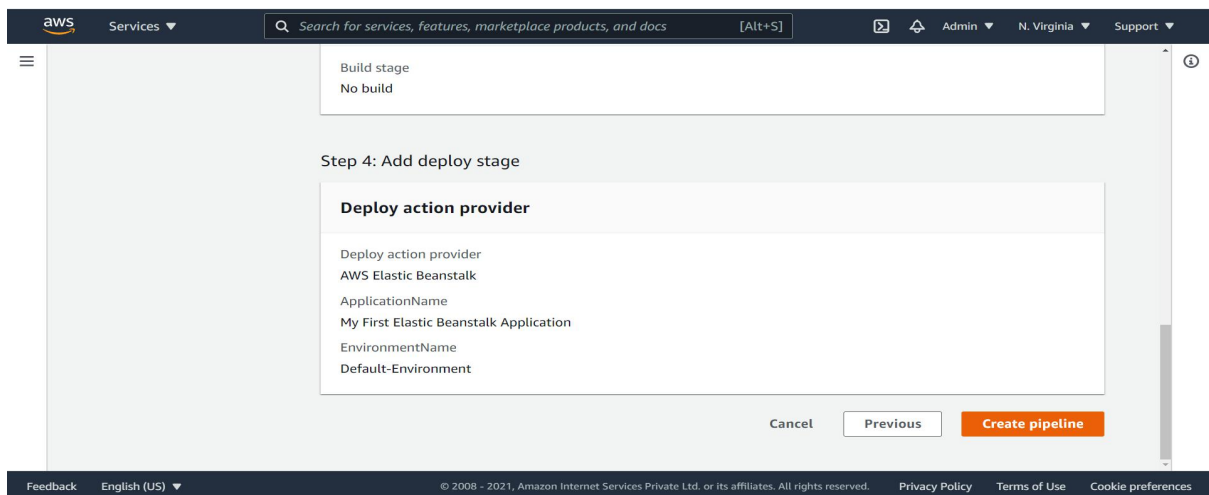
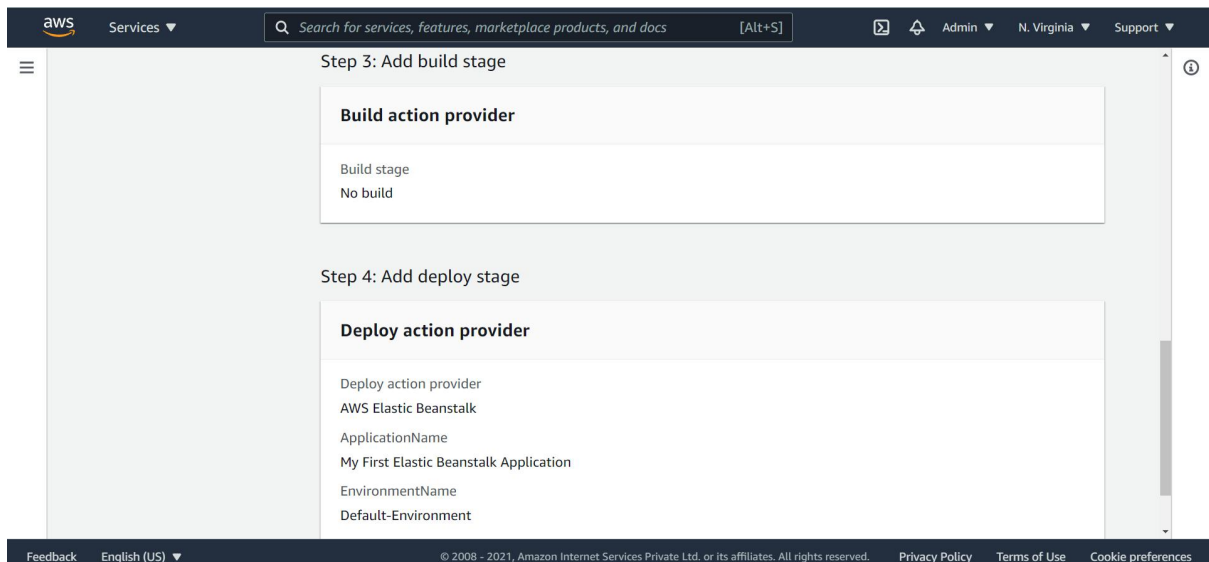
ConnectionArn
arn:aws:codestar-connections:us-east-1:438219030332:connection/e8eab024-f783-473c-ad39-a4b69f79f51a

FullRepositoryId
SaurabhPatil0208/aws-codepipeline-s3-codedeploy-linux

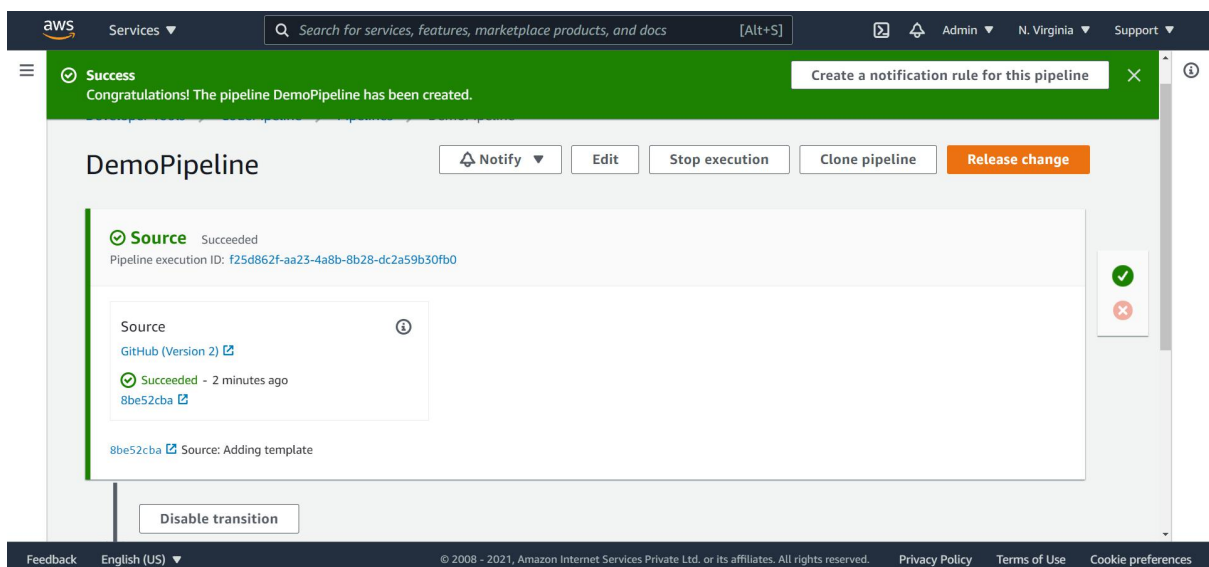
BranchName
master

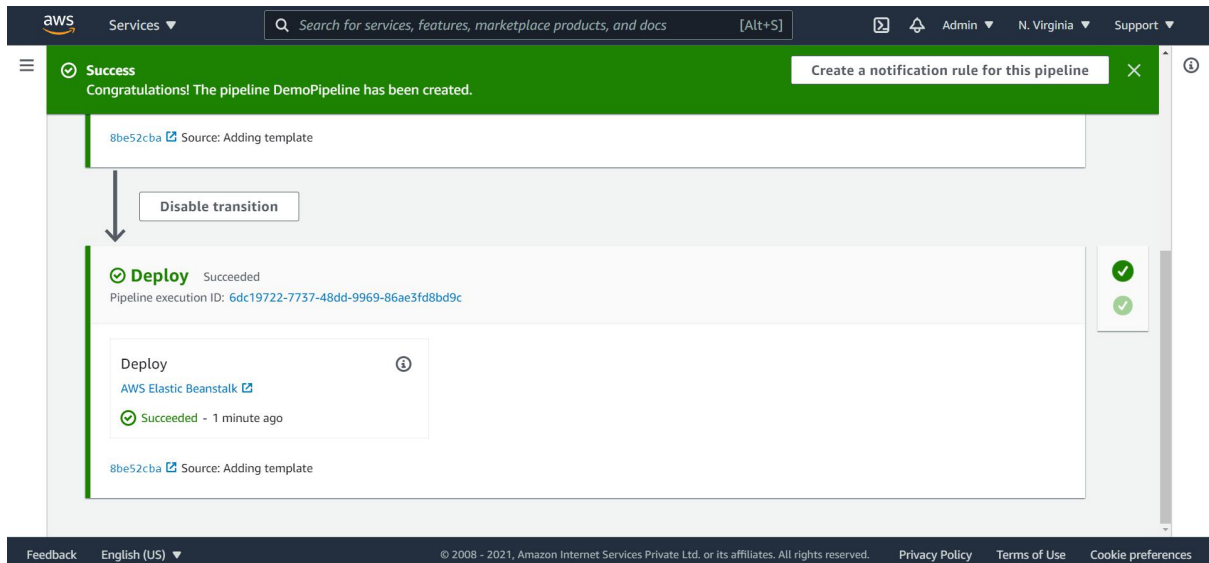
Step 3: Add build stage

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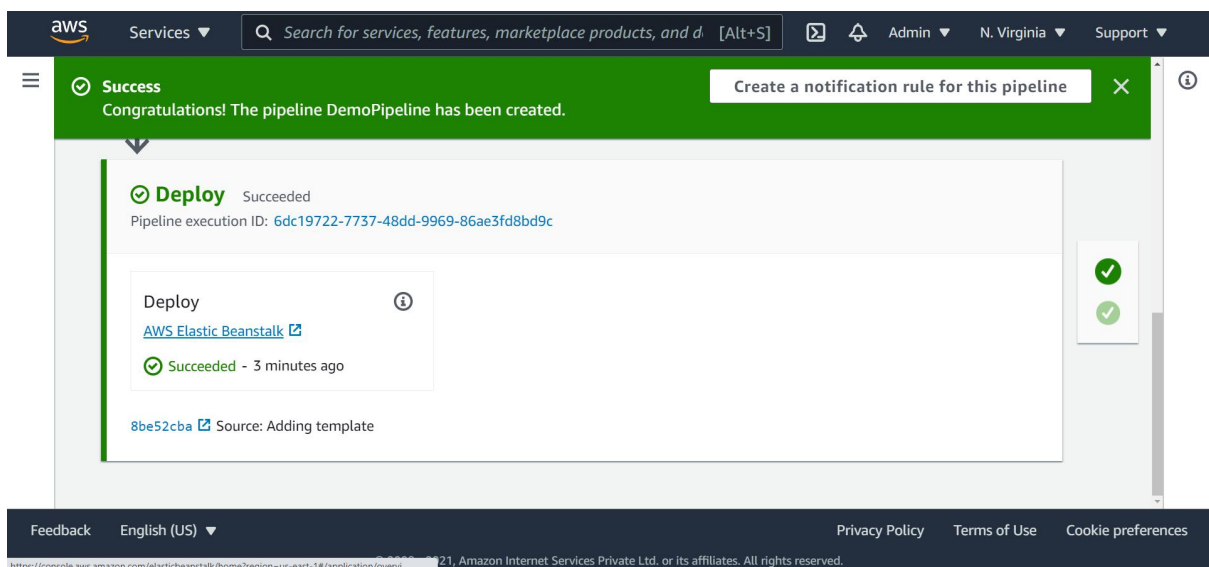


Step 10: Check the status of Pipeline created

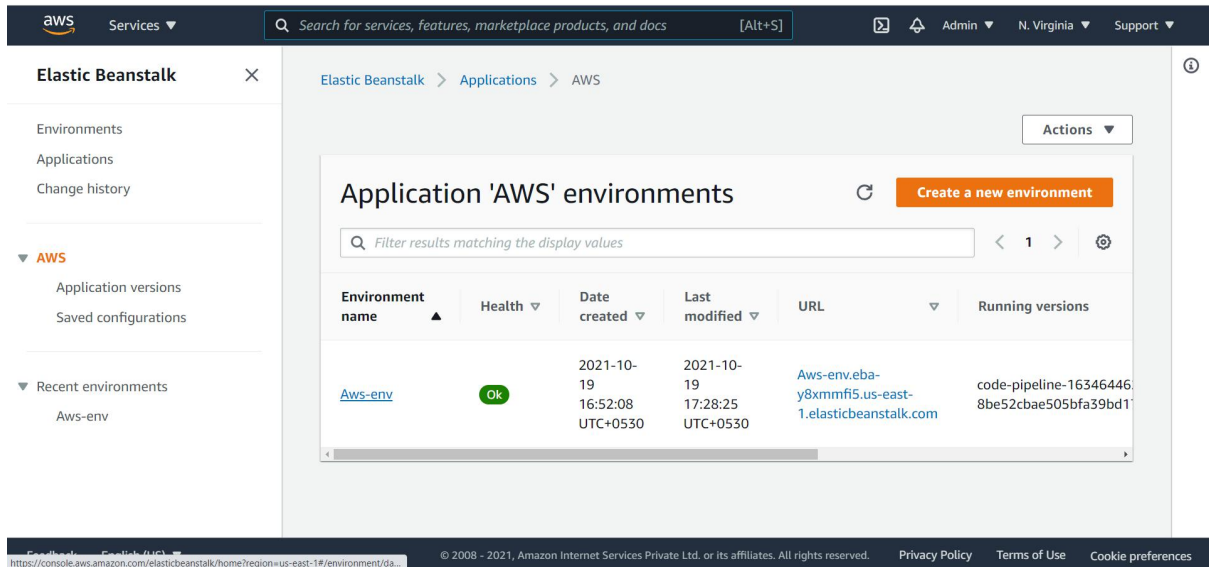




Step 11: Click AWS Elastic Beanstalk in status area of Deploy stage



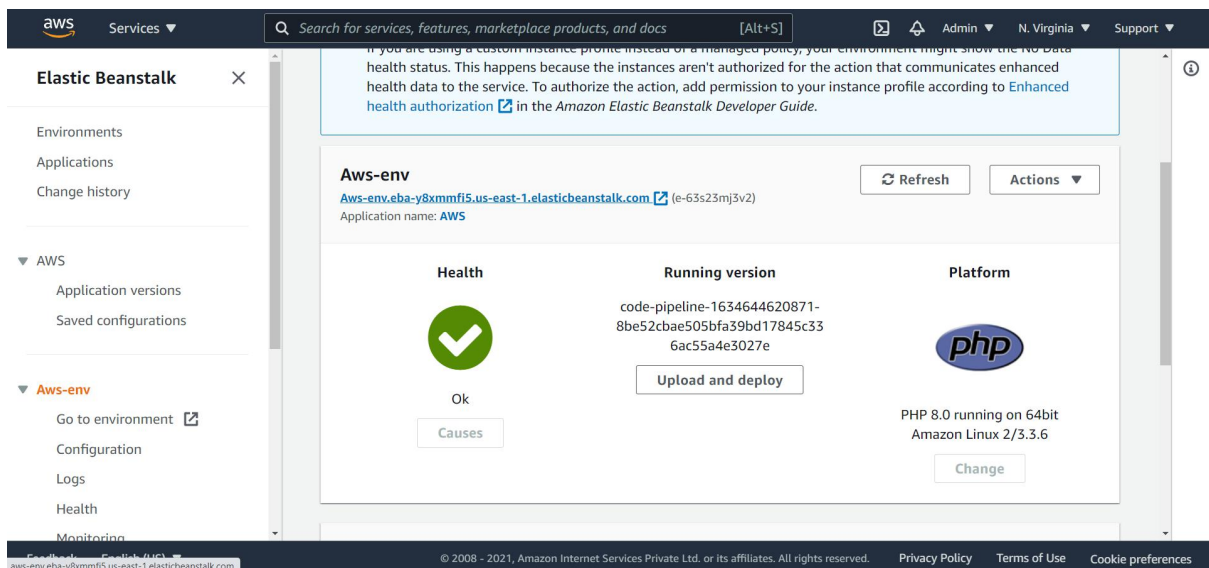
Step 12: Click on the environment you created earlier



The screenshot shows the AWS Elastic Beanstalk console. The left sidebar has a search bar and navigation links for Elastic Beanstalk, Applications, and AWS. The main content area is titled 'Application 'AWS' environments' and features a 'Create a new environment' button. Below this is a table listing environments:

Environment name	Health	Date created	Last modified	URL	Running versions
Aws-env	OK	2021-10-19 16:52:08 UTC+0530	2021-10-19 17:28:25 UTC+0530	Aws-env.eba-y8xmmf5.us-east-1.elasticbeanstalk.com	code-pipeline-16346446-8be52cbae505bfa39bd1

Step 13: Click on the URL below the created environment to deploy your sample website



The screenshot shows the details for the 'Aws-env' environment. The left sidebar has a search bar and navigation links for Elastic Beanstalk, Applications, and AWS. The main content area is titled 'Aws-env' and features a 'Go to environment' link. Below this is a table showing the environment's health status, running version, and platform:

Health	Running version	Platform
Ok	code-pipeline-1634644620871-8be52cbae505bfa39bd17845c336ac55a4e3027e	PHP 8.0 running on 64bit Amazon Linux 2/3.3.6

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](#).