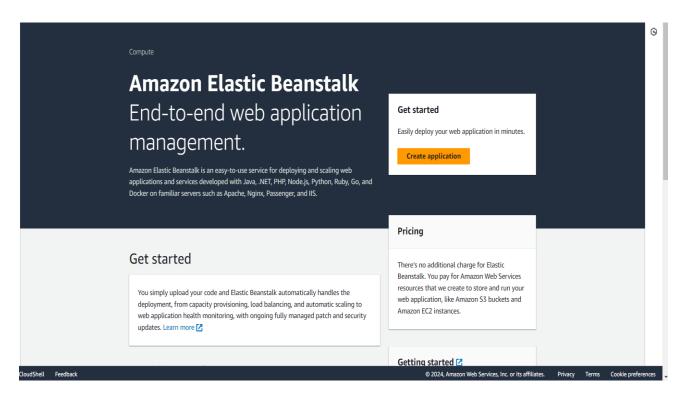
Name: Shubham Jha

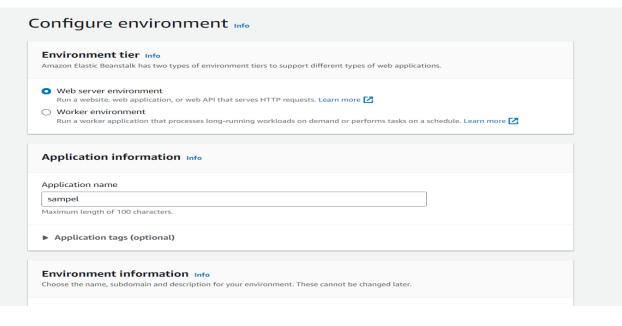
Div: D15C Roll No:19

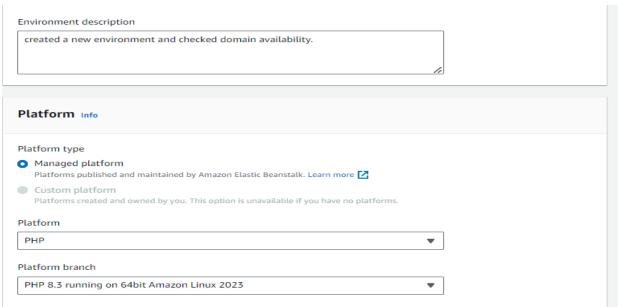
# **Experiment 2 : Elastic Beanstalk**

1) Go to services and choose elastic Beanstalk. following page will appear.

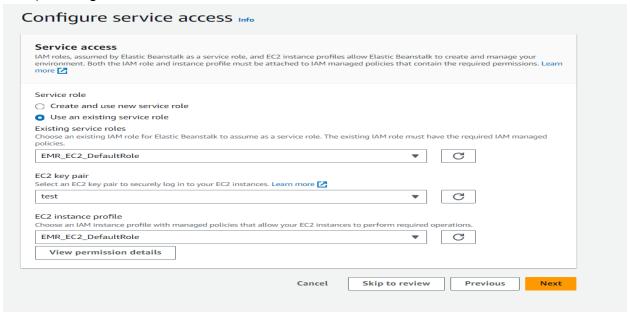


2) Configure the environment. Give the application name, check domain availability and choose PHP as platform. Then click next.

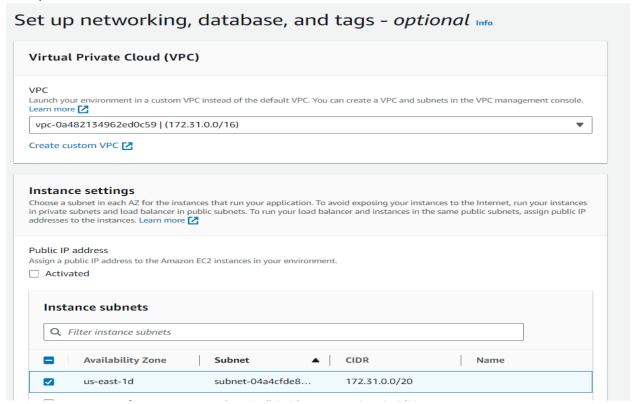




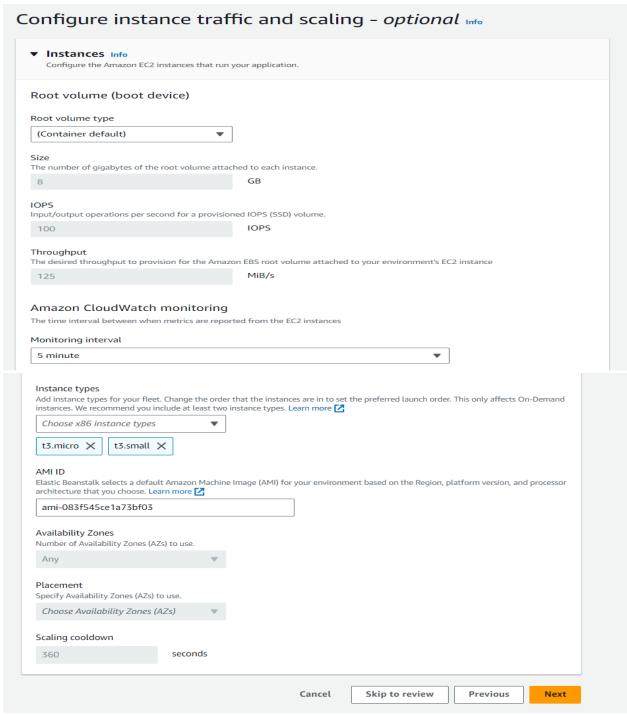
3) Configure the service access.



4) Choose one of the available VPC and instance subnet. Click next.

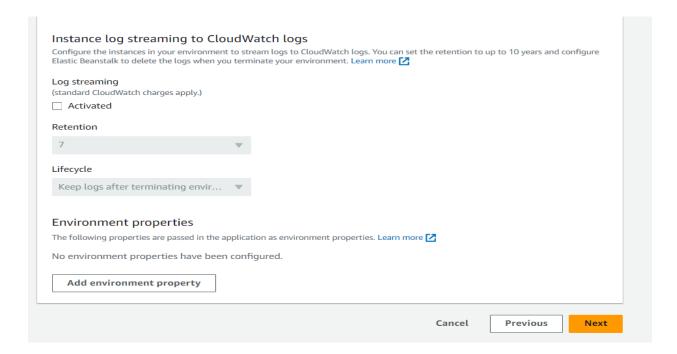


5) Configure instance traffic and scaling. Keep all the options as default.

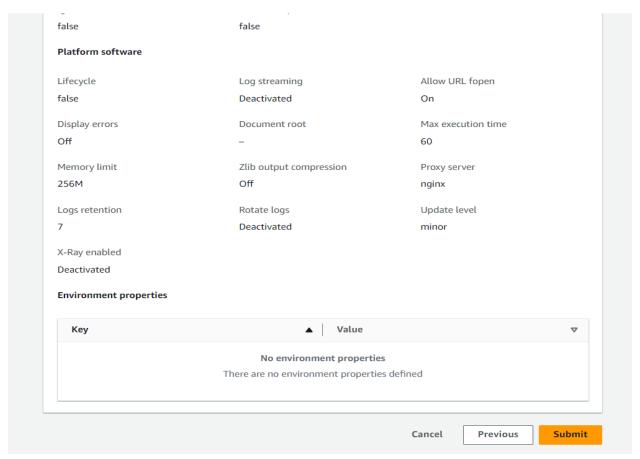


6) Configure updates, monitoring, and logging. Keep everything as default and click next.

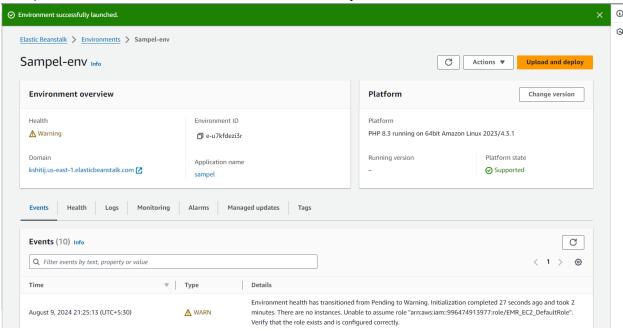
## Configure updates, monitoring, and logging - optional Info ▼ Monitoring Info Health reporting Enhanced health reporting provides free real-time application and operating system monitoring of the instances and other resources in your environment. The **EnvironmentHealth** custom metric is provided free with enhanced health reporting. Additional charges apply for each custom metric. For more information, see Amazon CloudWatch Pricing 🛂 System Basic Enhanced CloudWatch Custom Metrics - Instance Choose metrics CloudWatch Custom Metrics - Environment Choose metrics • 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.) Retention 7 Lifecycle



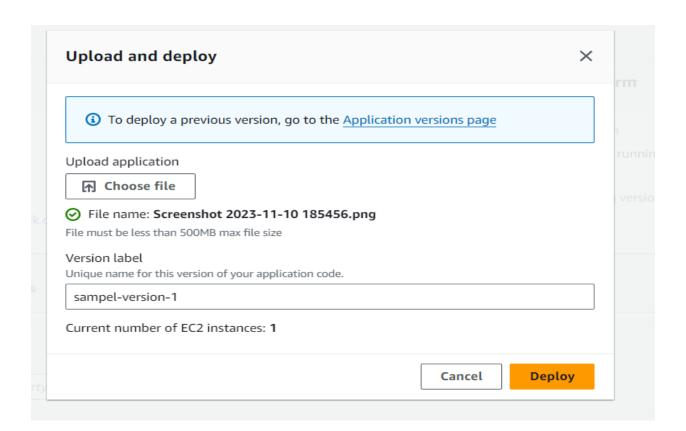
### 7) Click submit.

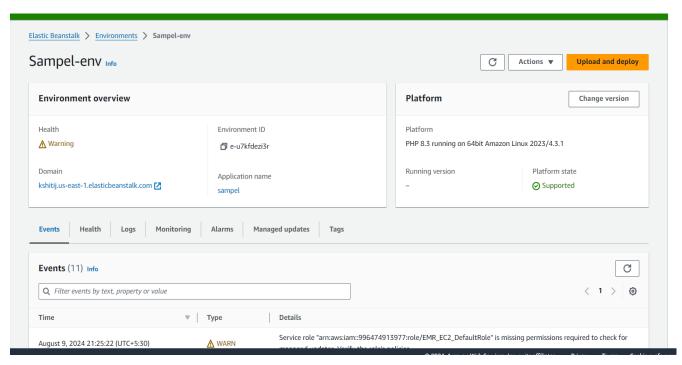


8) Environment has been created successfully.



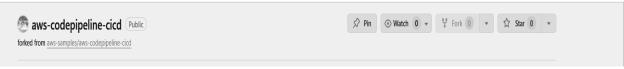
9) Deploy something on the recently created environment.



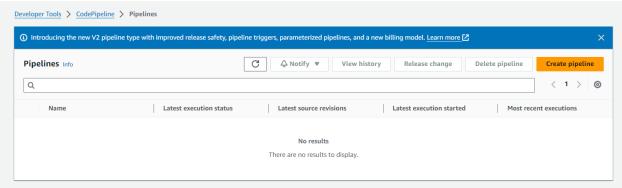


# **Pipeline Creation:**

1) Fork a git-hub repository. This forked repository will act as source for your code pipeline.



2) Go to developer tools and select CodePipeline and create a new pipeline



3) Create a pipeline:

# 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.

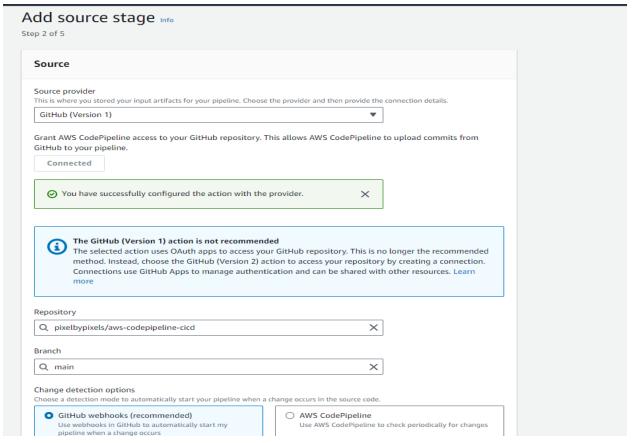
For next steps, read the AWS CodePipeline Documentation. Incedge 2020

# Choose pipeline settings Pipeline settings Pipeline name Enter the pipeline name. You cannot edit the pipeline name after it is created. firstpipeline No more than 100 characters Pipeline type ① 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. ② Queued (Pipeline type V2 required) Executions are processed one by one in the order that they are queued.

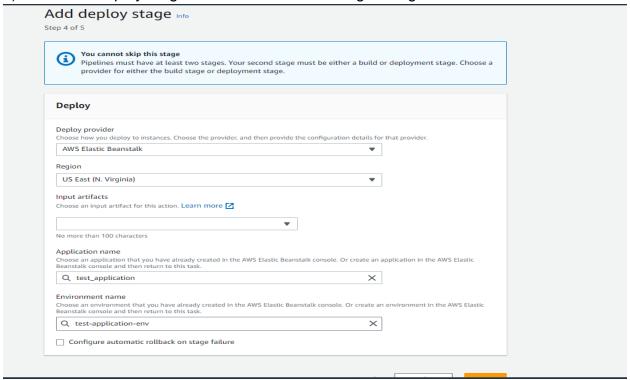
O Parallel (Pipeline type V2 required)

### 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. Connect to GitHub 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 Change detection options Choose a detection mode to automatically start your pipeline when a change occurs in the source code. GitHub webhooks (recommended) AWS CodePipeline Use webhooks in GitHub to automatically start my Use AWS CodePipeline to check periodically for changes pipeline when a change occurs

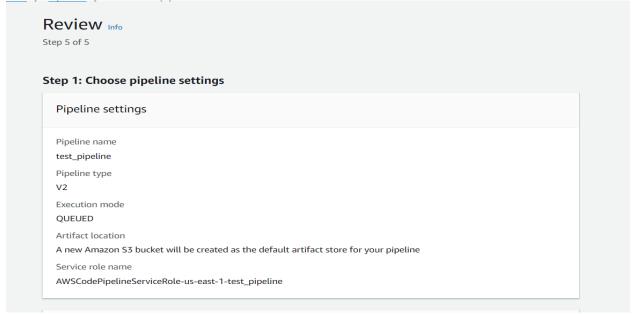
S



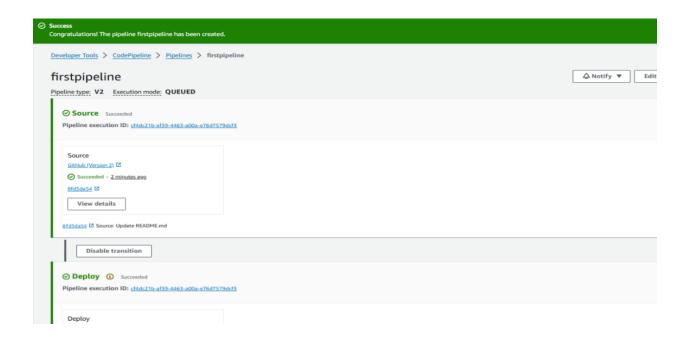
5) Go to the deploy stage and ensure the following settings.



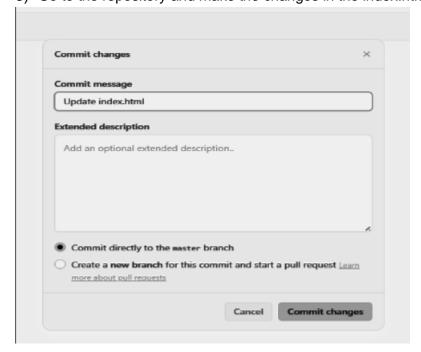
6) review the pipeline settings.



7) Then go ahead and check the URL provided in the EBS environment.



8) Go to the repository and make the changes in the index.html file and commit them



9) To view the changes made, ensure they are committed and visible in the source panel in real time. After confirming that the deployment section indicates success, refresh the URL to see the updates reflected on your site or application.

# Hello this is my first deployment D15C

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

For next steps, read the AWS CodePipeline Documentation. Incedge 2020