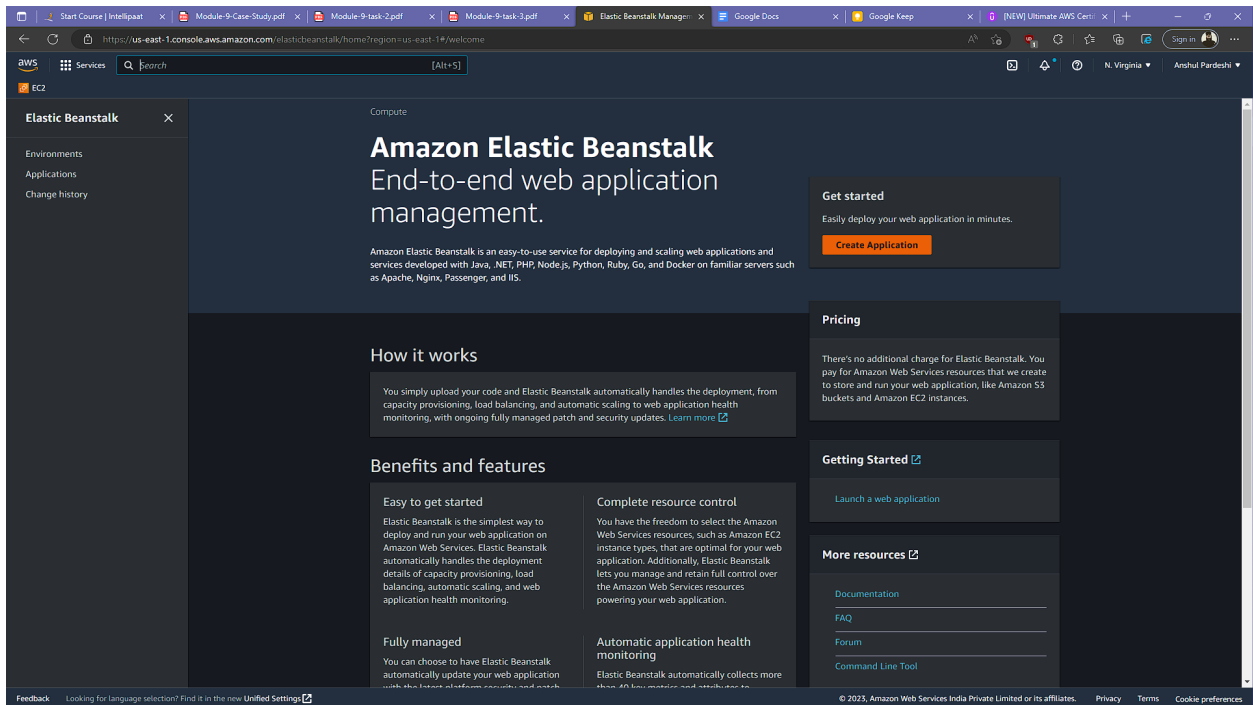


## Module-9: Elastic Beanstalk Assignment - 2

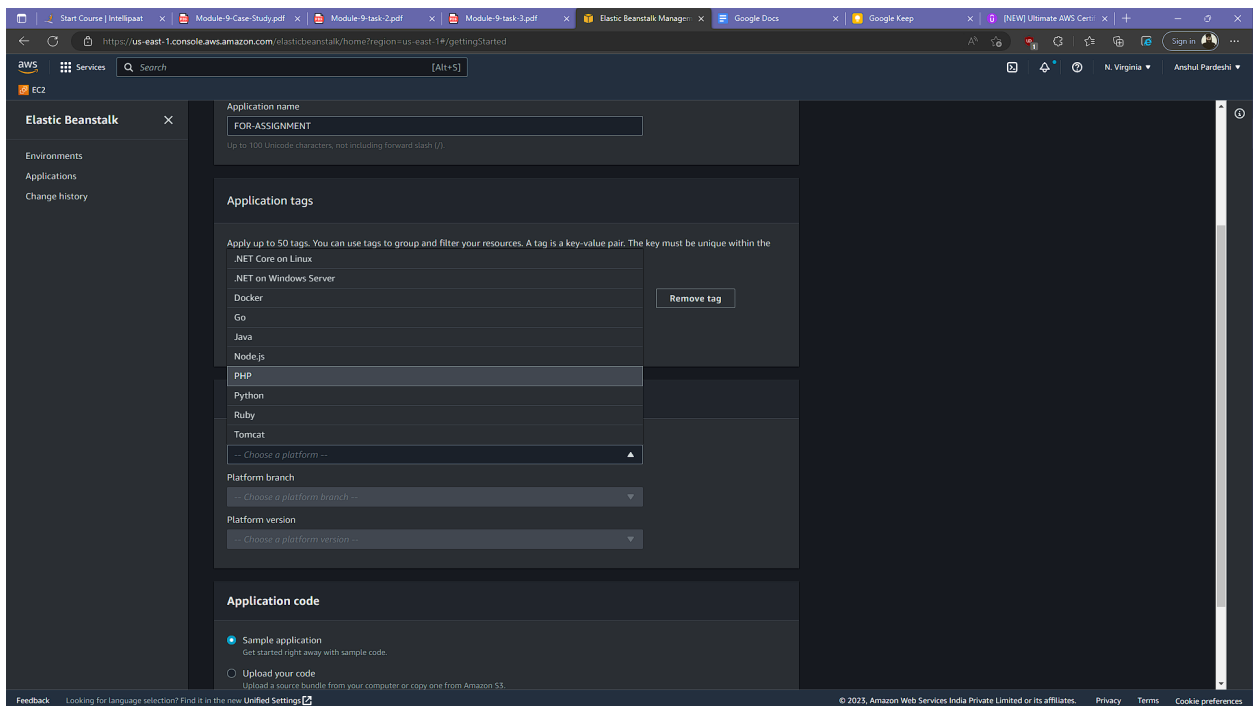
You have been asked to:

1. Create an Elastic Beanstalk environment with the runtime as PHP.
2. Upload a simple PHP file to the environment once created.

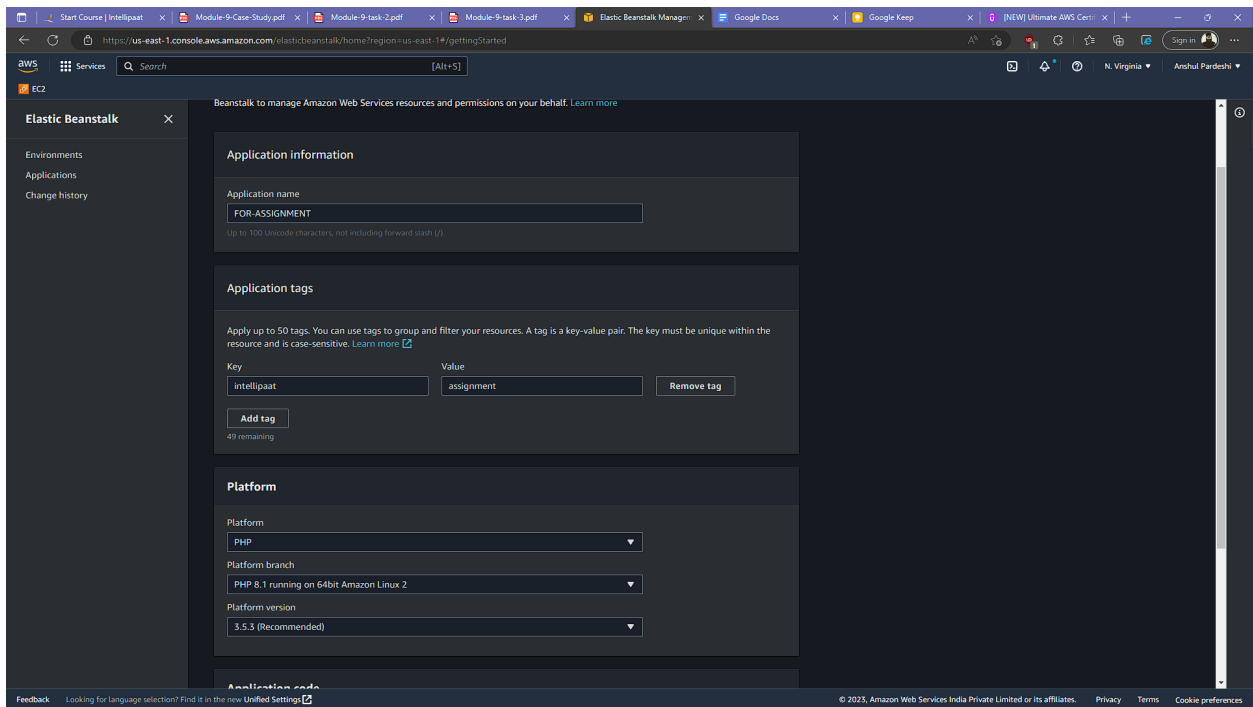
**Create Application from Beanstalk dashboard.**



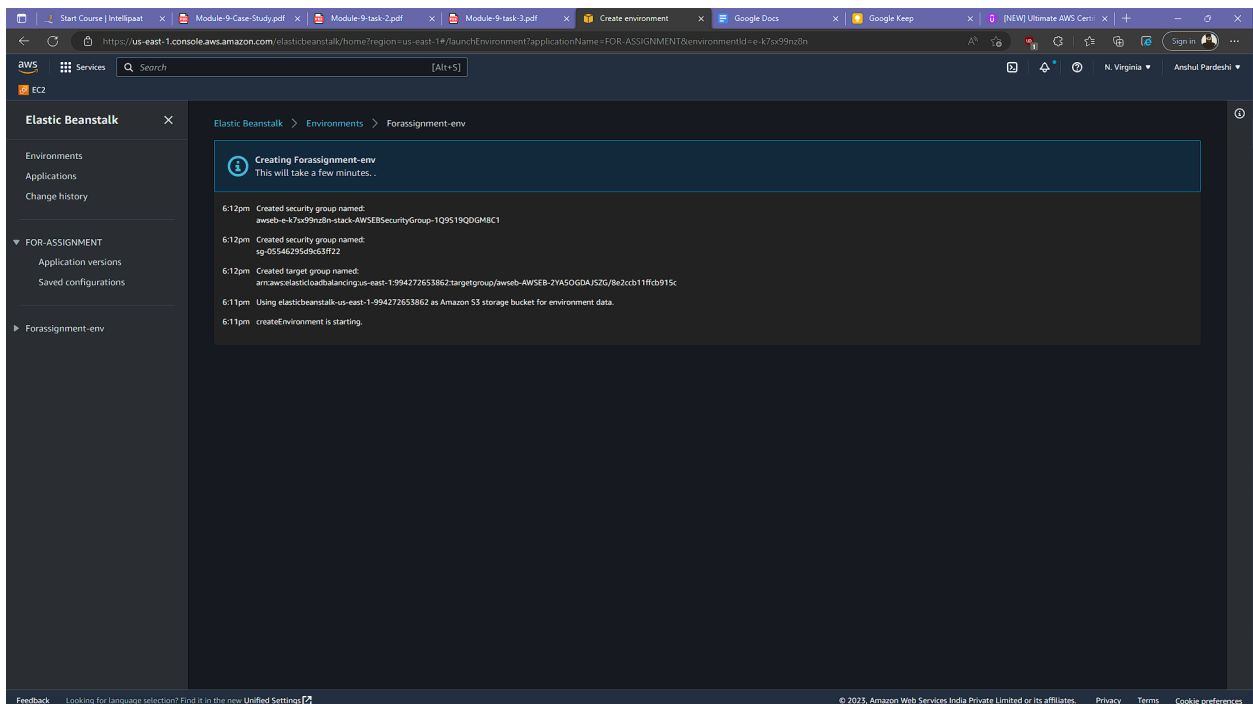
**Name it provide tags and choose platform branch as PHP for this case.**



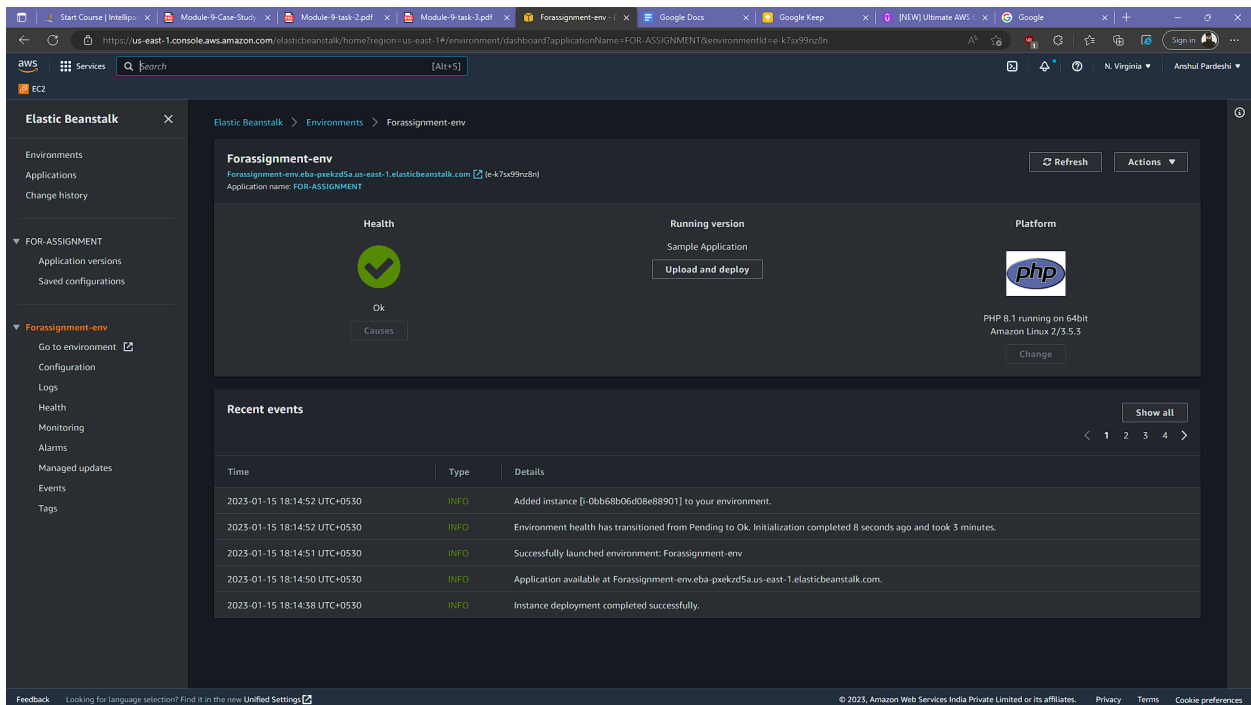
## Choose the latest platform version and create an application.



**Your application is being created. You can see instances, buckets being deployed automatically through beanstalk.**



Application has been launched. Click upload and deploy to deploy indexed file.



**Elastic Beanstalk**

Environments

Applications

Change history

FOR-ASSIGNMENT

Application versions

Saved configurations

**Forassignment-env**

Go to environment

Configuration

Logs

Health

Monitoring

Alarms

Managed updates

Events

Tags

**Forassignment-env**

Refresh

Actions

Health

Ok

Causes

Running version

Sample Application

Upload and deploy

Platform

PHP 8.1 running on 64bit Amazon Linux 2/5.5.3

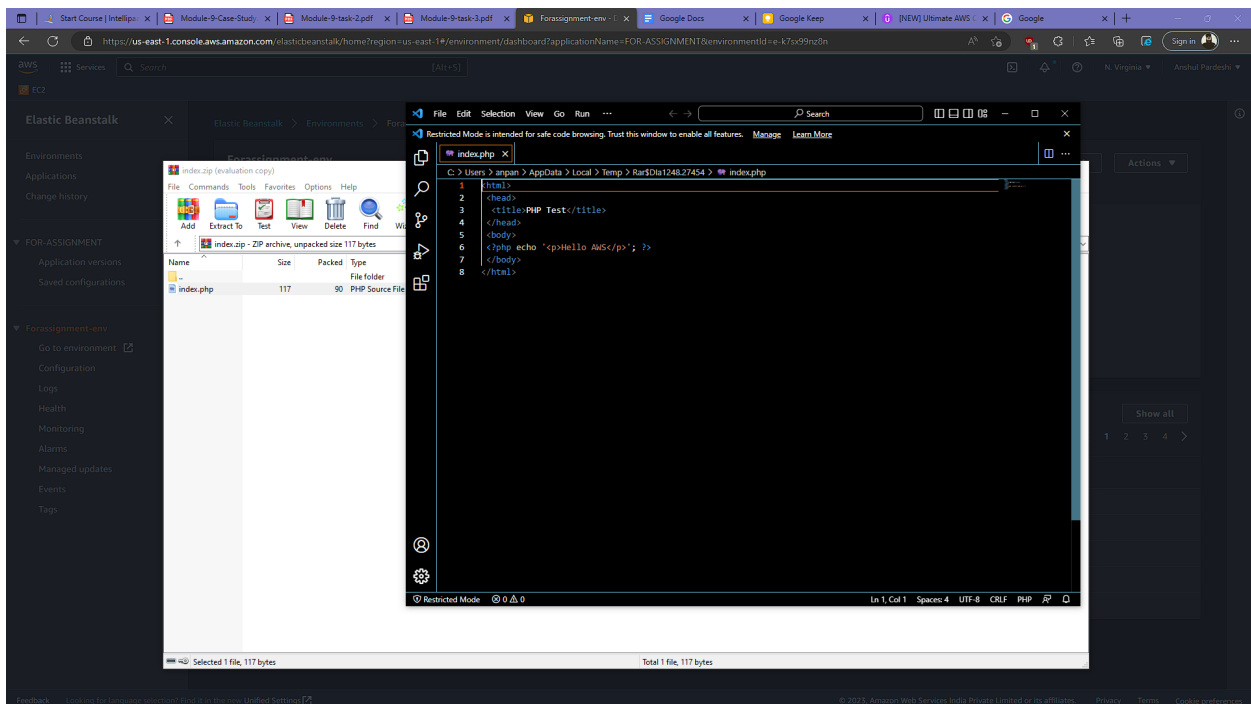
Change

Recent events

Show all

Time	Type	Details
2023-01-15 18:14:52 UTC+0530	INFO	Added instance [i-0bb68b06d08e88901] to your environment.
2023-01-15 18:14:52 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 8 seconds ago and took 3 minutes.
2023-01-15 18:14:51 UTC+0530	INFO	Successfully launched environment: Forassignment-env
2023-01-15 18:14:50 UTC+0530	INFO	Application available at Forassignment-env.elasticbeanstalk.com
2023-01-15 18:14:38 UTC+0530	INFO	Instance deployment completed successfully.

This is the PHP file that we will be using. It's a simple file to print Hello AWS. File name and the zip folder name should be index only.



**Elastic Beanstalk**

Environments

Applications

Change History

FOR-ASSIGNMENT

Application versions

Saved configurations

**Forassignment-env**

Go to environment

Configuration

Logs

Health

Monitoring

Alarms

Managed updates

Events

Tags

**index.zip** (evaluation copy)

File Commands Tools Favorites Options Help

Add Extract To Test View Delete Find

index.zip - ZIP archive, unpacked size 117 bytes

Name	Size	Packed	Type
index.php	117	90	PHP Source File

**index.php**

```
1 <html>
2 <head>
3 <title>PHP Test</title>
4 </head>
5 <body>
6 <php echo '<pxHello AWS</px>'; ?>
7 </body>
8 </html>
```

## Choose the index.zip file and deploy.

The screenshot shows the AWS Elastic Beanstalk console for the 'Forassignment-env' environment. A modal window titled 'Upload and deploy' is open, allowing the user to upload a new application version. The modal includes a 'Choose file' button, a text field for the file name (set to 'index.zip'), a 'Version label' field (set to 'Sample Application-1'), and a 'Deploy' button. The background shows the environment's health status as 'Ok' and a list of recent events.

**Upload and deploy**

To deploy a previous version, go to the Application Versions page.

Upload application

Choose file

File name : index.zip

Version label

Sample Application-1

Deployment Preferences

The application version will be deployed using the All at once policy.

Current number of instances: 1

Cancel Deploy

**Health**

Ok

**Recent events**

Time	Type	Details
2023-01-15 18:14:52 UTC+0530	INFO	Environment update is starting.
2023-01-15 18:14:52 UTC+0530	INFO	Added instance [i-0bb68b06d08e88901] to your environment.
2023-01-15 18:14:51 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 8 seconds ago and took 3 minutes.
2023-01-15 18:14:50 UTC+0530	INFO	Successfully launched environment: Forassignment-env
2023-01-15 18:14:50 UTC+0530	INFO	Application available at Forassignment-env-eba-pxekzd5a.us-east-1.elasticbeanstalk.com.
2023-01-15 18:14:50 UTC+0530	INFO	Instance deployment completed successfully.

## It is being deployed.

The screenshot shows the AWS Elastic Beanstalk console for the 'Forassignment-env' environment. A blue banner at the top indicates that Elastic Beanstalk is updating the environment. The environment's health status is now 'Grey'. The 'Recent events' table shows the progression of the update, including the addition of a new instance and the transition of the environment health from 'Pending' to 'Ok'.

Elastic Beanstalk is updating your environment.  
To cancel this operation select Abort Current Operation from the Actions dropdown.  
[View Events](#)

**Forassignment-env**

Forassignment-env-eba-pxekzd5a.us-east-1.elasticbeanstalk.com

Application name: FOR-ASSIGNMENT

**Health**

Grey

**Running version**

Sample Application

Upload and deploy

**Platform**

PHP 8.1 running on 64bit Amazon Linux 2/3.5.3

**Recent events**

Time	Type	Details
2023-01-15 18:25:14 UTC+0530	INFO	Environment update is starting.
2023-01-15 18:14:52 UTC+0530	INFO	Added instance [i-0bb68b06d08e88901] to your environment.
2023-01-15 18:14:52 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 8 seconds ago and took 3 minutes.
2023-01-15 18:14:51 UTC+0530	INFO	Successfully launched environment: Forassignment-env
2023-01-15 18:14:50 UTC+0530	INFO	Application available at Forassignment-env-eba-pxekzd5a.us-east-1.elasticbeanstalk.com.

You can go to the environment using this link.

The screenshot shows the AWS Elastic Beanstalk console for an environment named 'Forassignment-env'. The environment is in a 'Healthy' state, indicated by a green checkmark. The running version is 'Sample Application-1'. The platform is 'PHP 8.1 running on 64bit Amazon Linux 2/5.5.3'. The recent events table shows a successful deployment and health transition.

Time	Type	Details
2023-01-15 18:27:51 UTC+0530	INFO	Environment health has transitioned from Info to Ok. Application update completed 71 seconds ago and took 65 seconds.
2023-01-15 18:26:51 UTC+0530	INFO	Environment health has transitioned from Ok to Info. Application update in progress. 1 out of 1 instance completed (running for 56 seconds).
2023-01-15 18:26:24 UTC+0530	INFO	Environment update completed successfully.
2023-01-15 18:26:24 UTC+0530	INFO	New application version was deployed to running EC2 instances.
2023-01-15 18:26:00 UTC+0530	INFO	Instance deployment completed successfully.

This is the end result. Hello AWS is printed.

The screenshot shows a web browser displaying the output of a PHP script. The output is 'Hello AWS'.