

Elastic Beanstalk

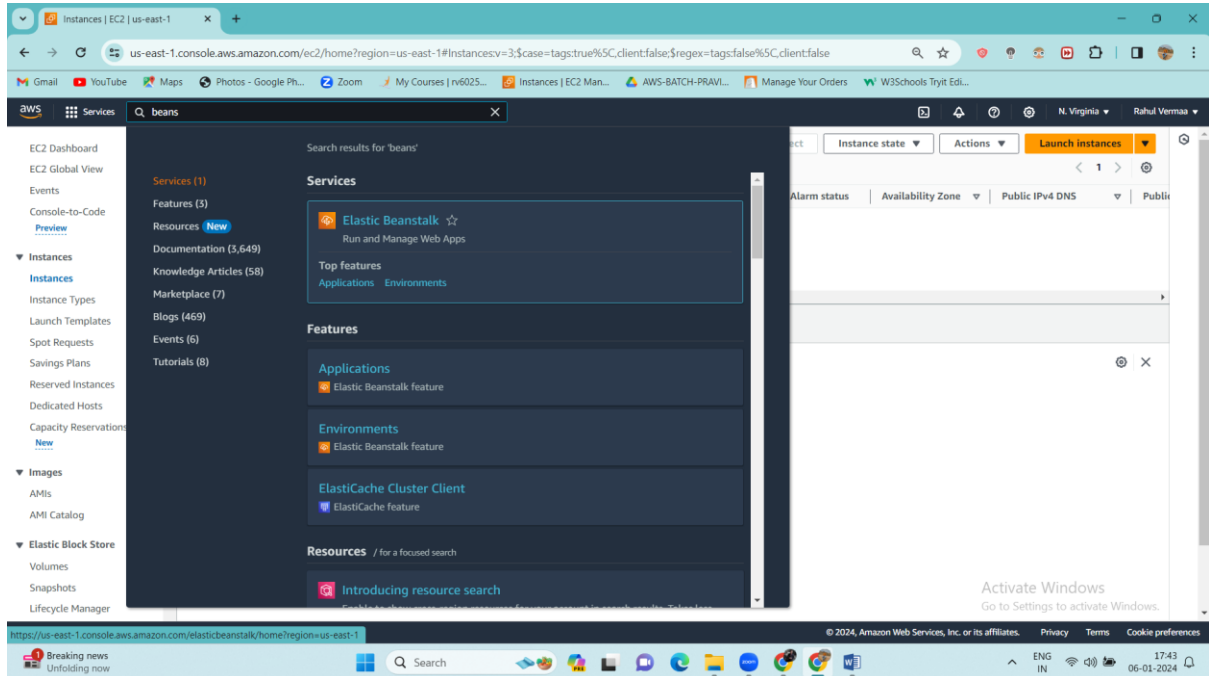
Problem Statement:

You work for XYZ Corporation. Your corporation wants to launch a new web-based application and they do not want their servers to be running all the time. It should also be managed by AWS. Implement suitable solutions.

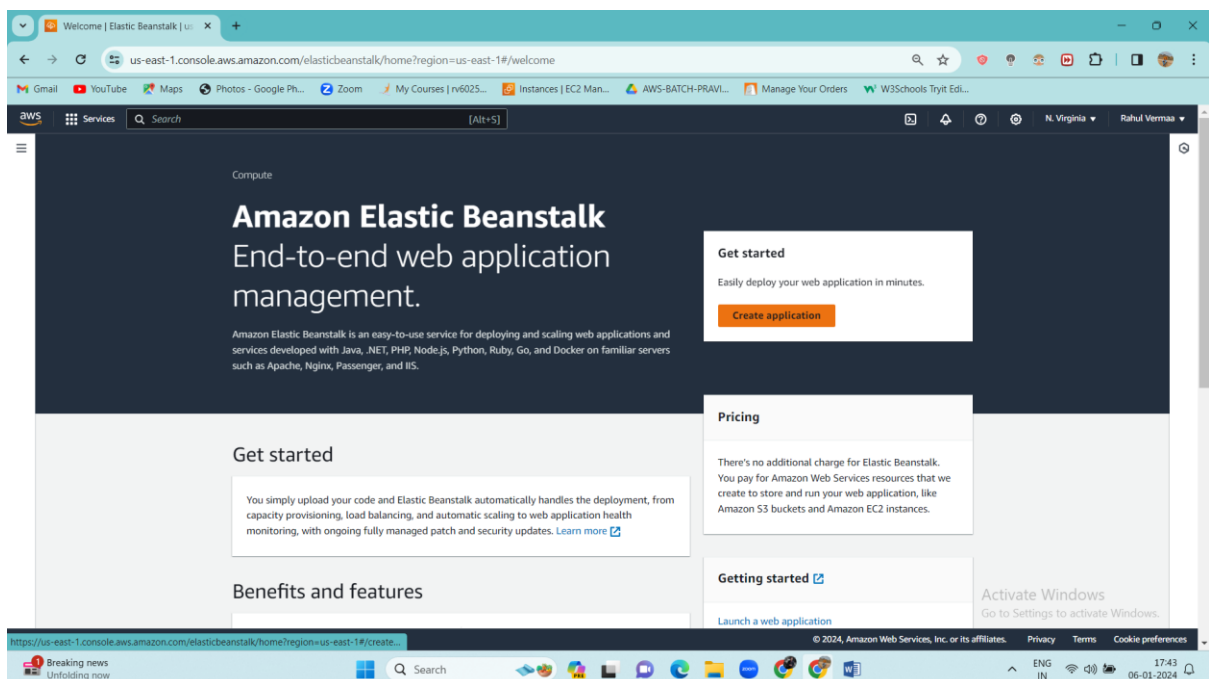
Tasks To Be Performed:

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

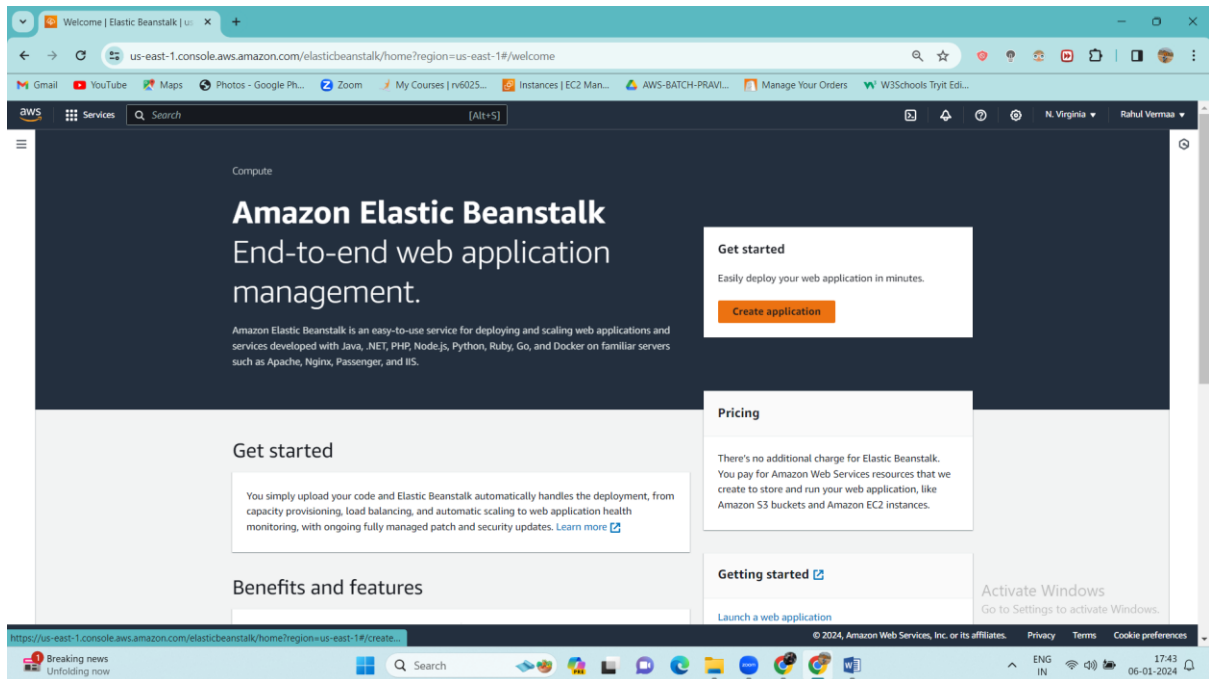
The very first step is to search for Elastic beanstalk in AWS console



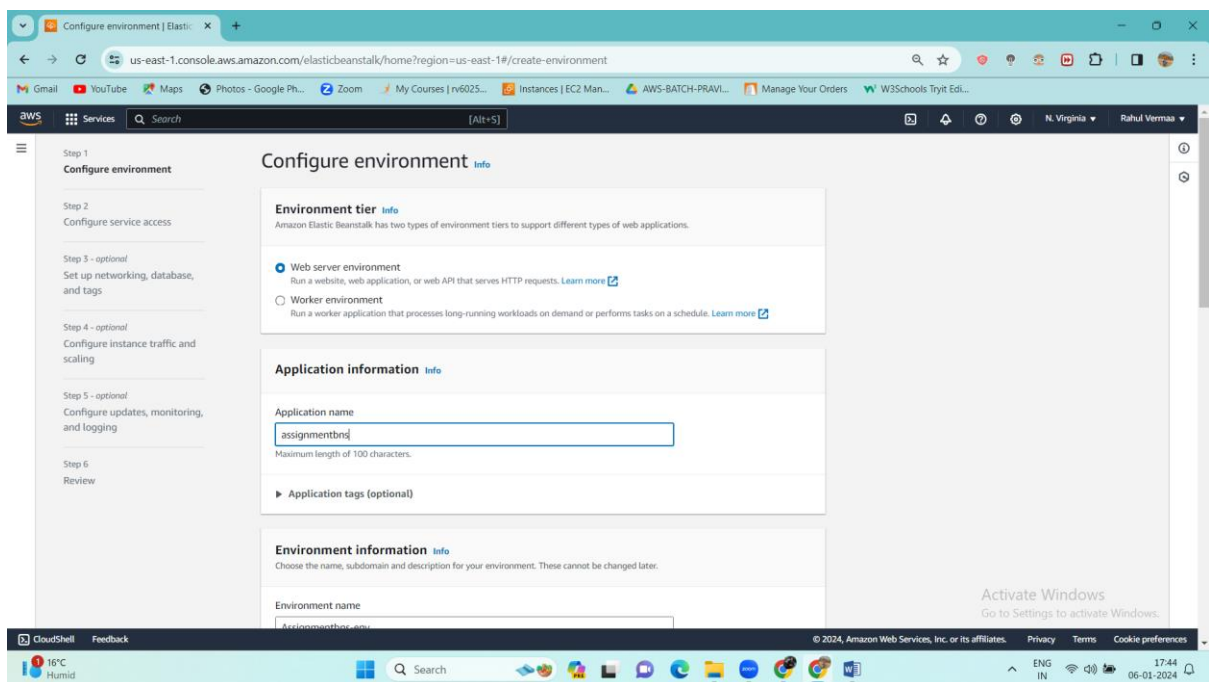
Now create an application



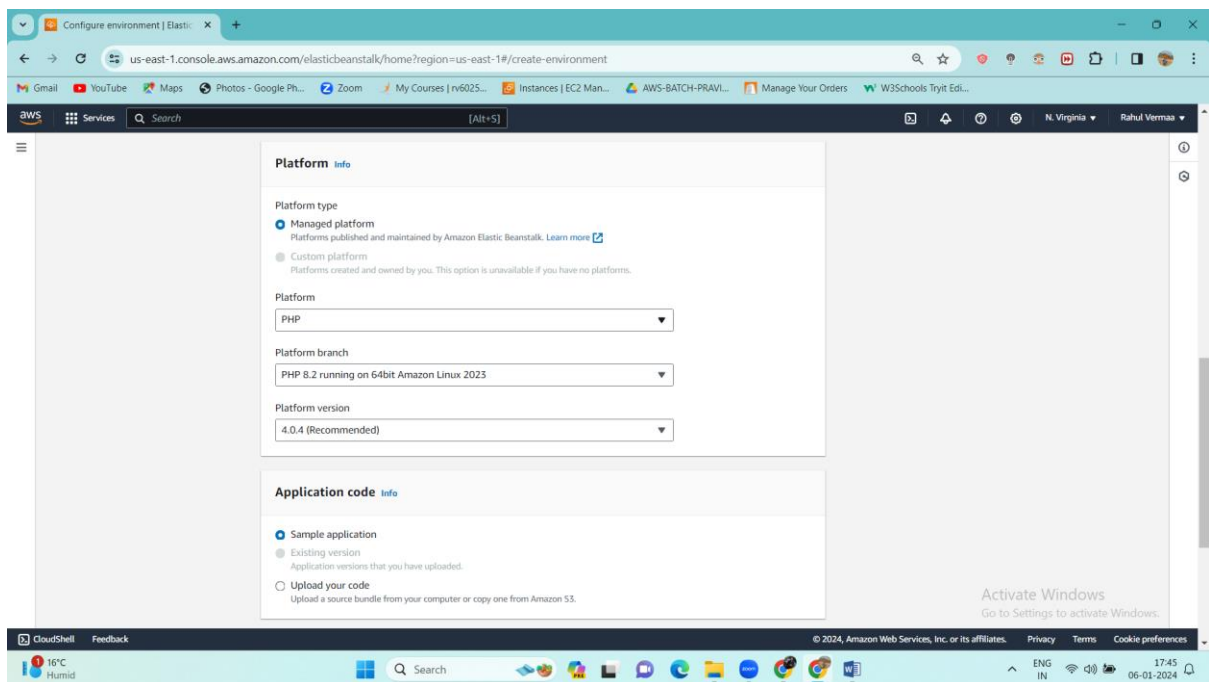
Now let's start configuring our Environment



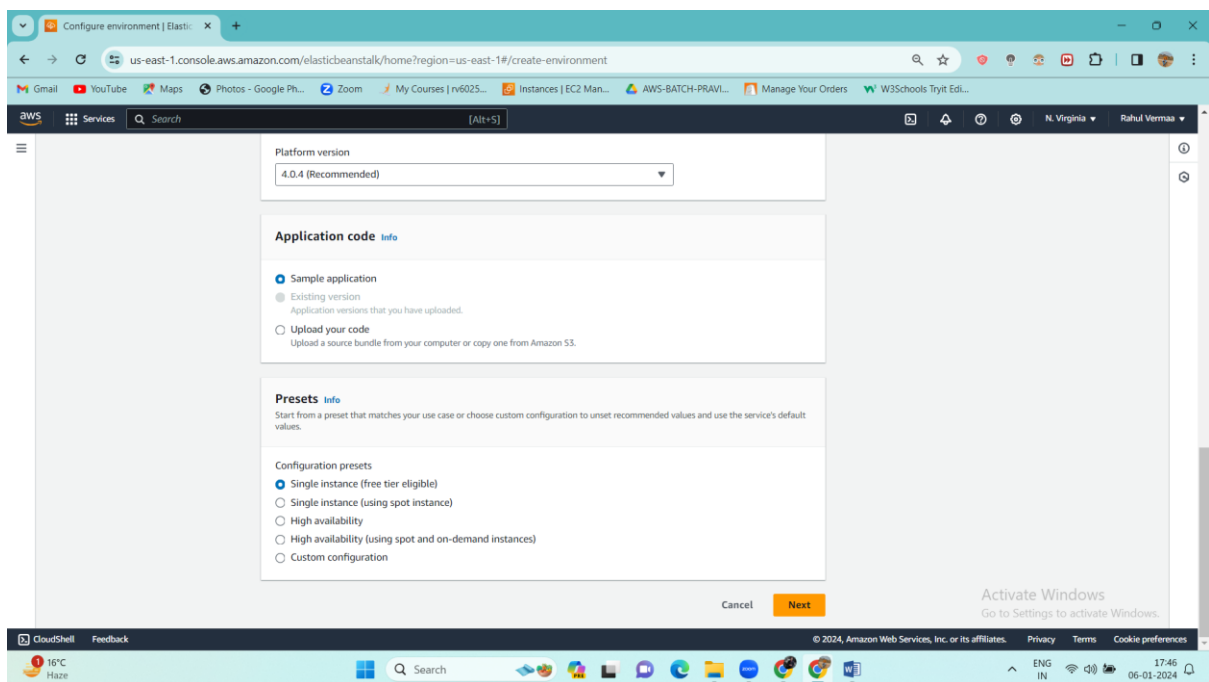
Select environment tier



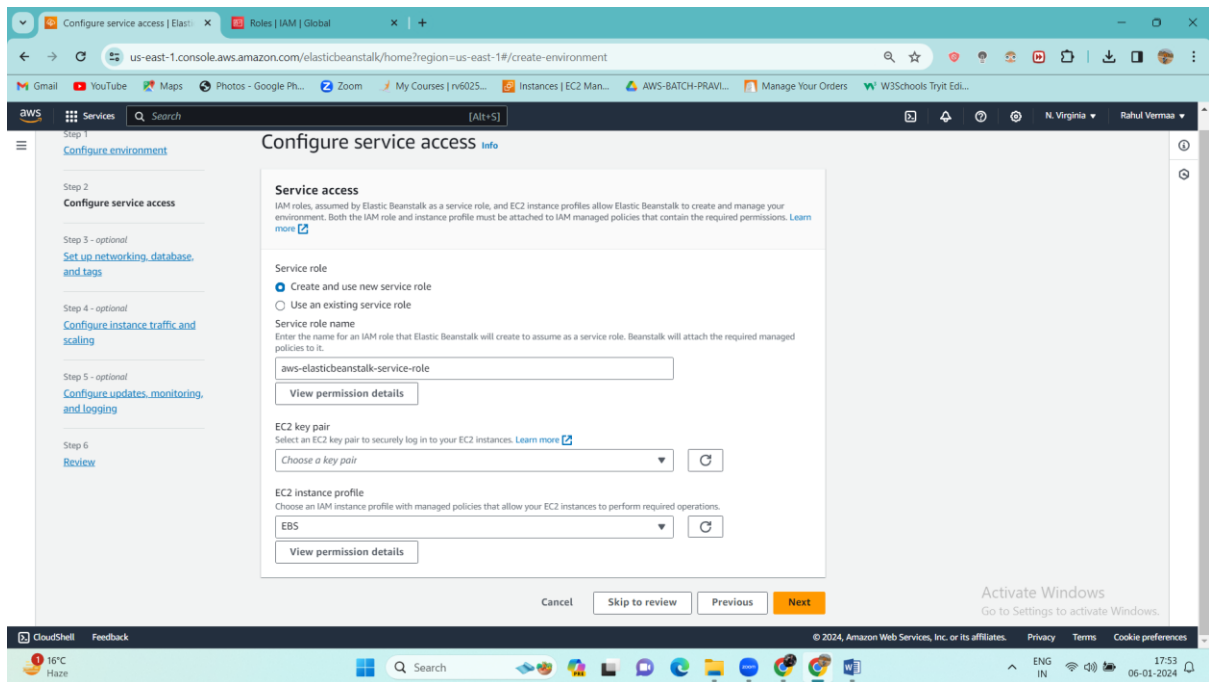
Now we will select our platform



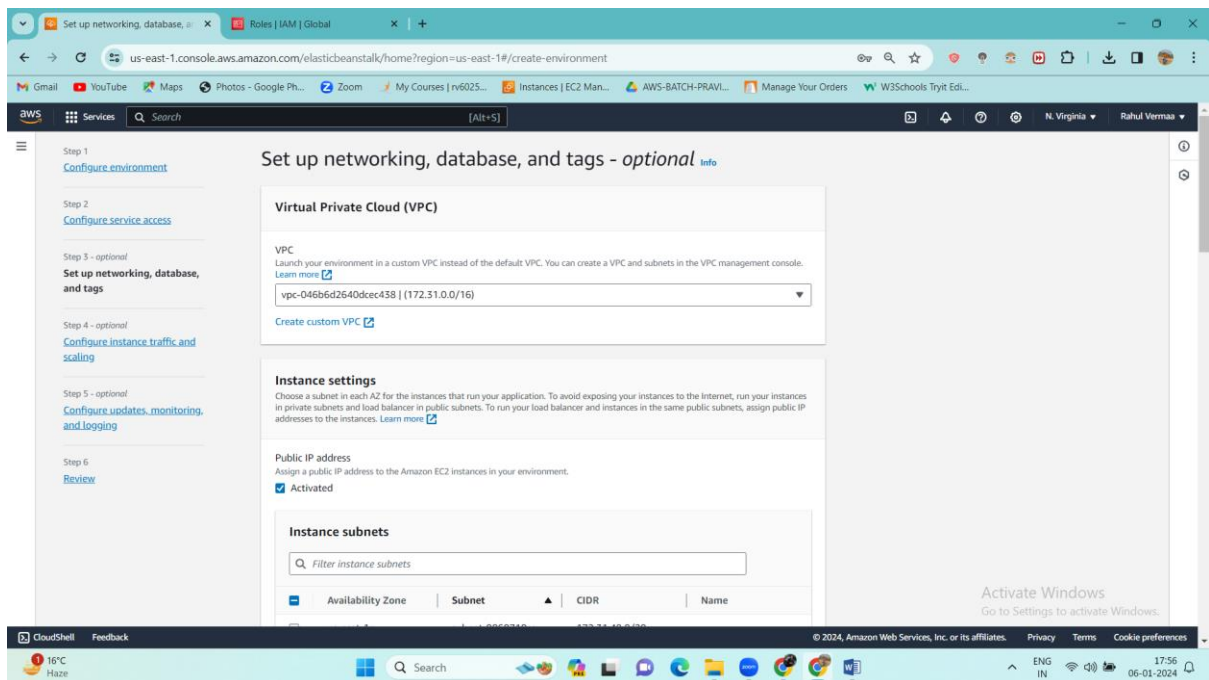
Afterwards select application code and presets



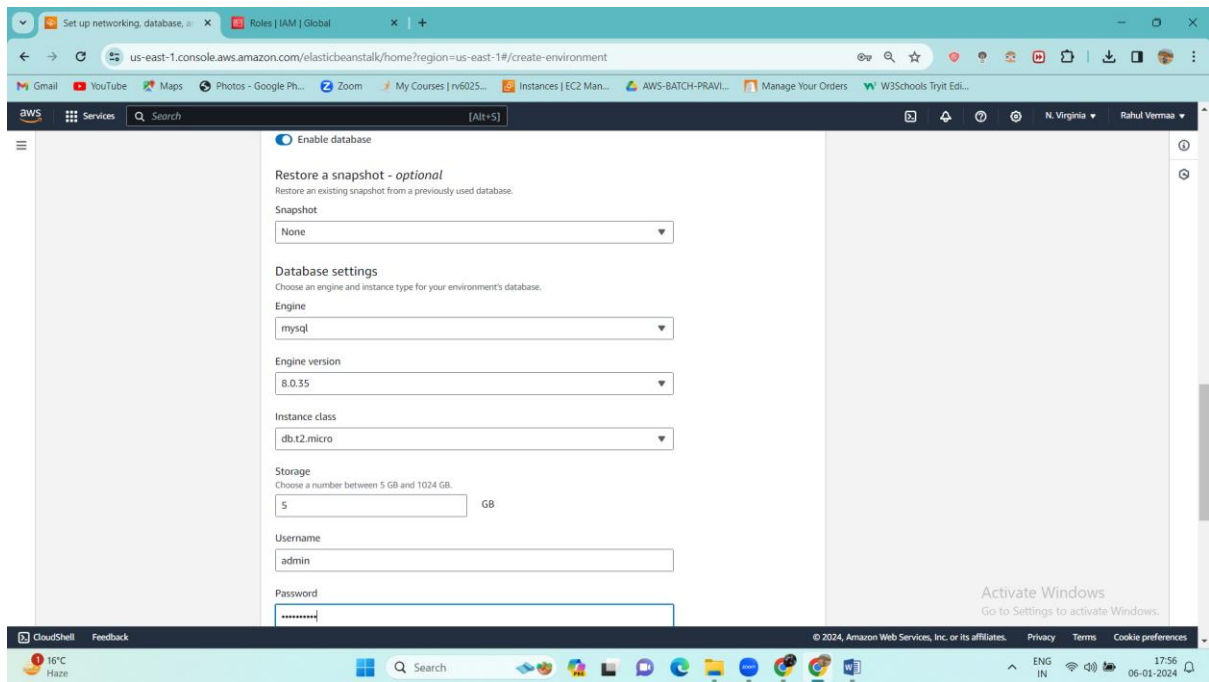
Now select service access



So now we have to select the below options and settings



Now select database



us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

Set up networking, database, and tags

Enable database

Restore a snapshot - optional

Restore an existing snapshot from a previously used database.

Snapshot

None

Database settings

Choose an engine and instance type for your environment's database.

Engine

mysql

Engine version

8.0.35

Instance class

db.t2.micro

Storage

Choose a number between 5 GB and 1024 GB.

5 GB

Username

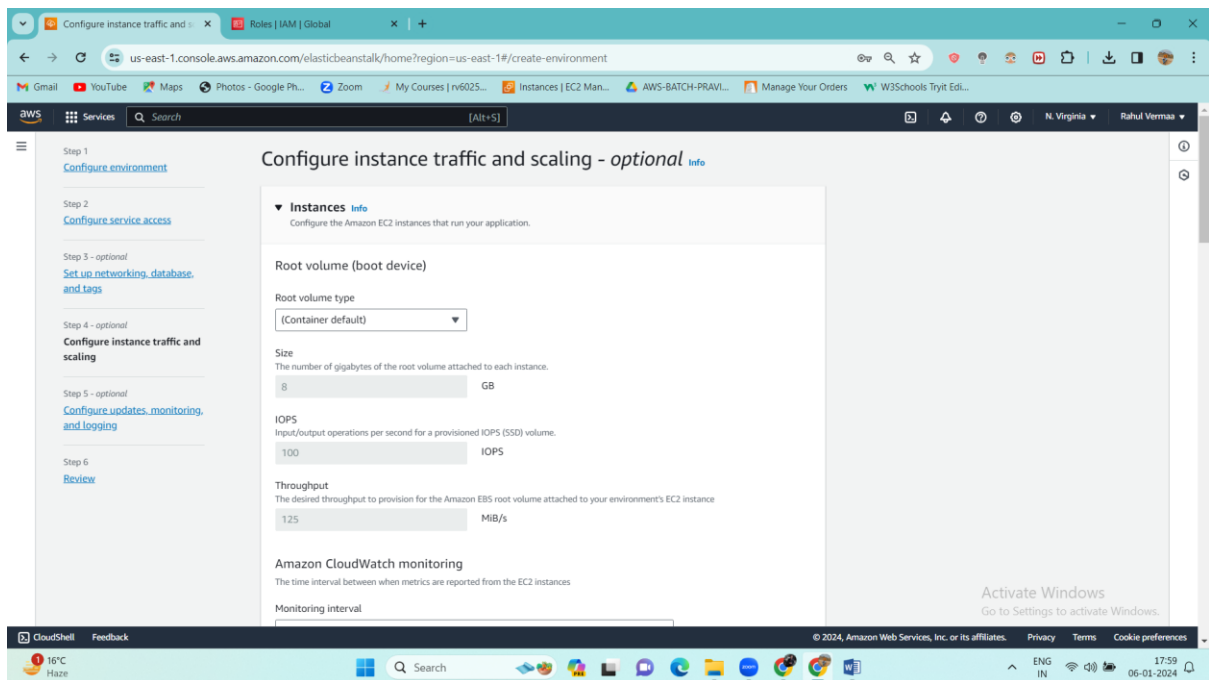
admin

Password

Activate Windows

Go to Settings to activate Windows.

Now configure 4th step



us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

Configure instance traffic and scaling - optional

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

Instances

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.

8 GB

IOPS

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

100 IOPS

Throughput

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

125 MiB/s

Amazon CloudWatch monitoring

The time interval between when metrics are reported from the EC2 instances

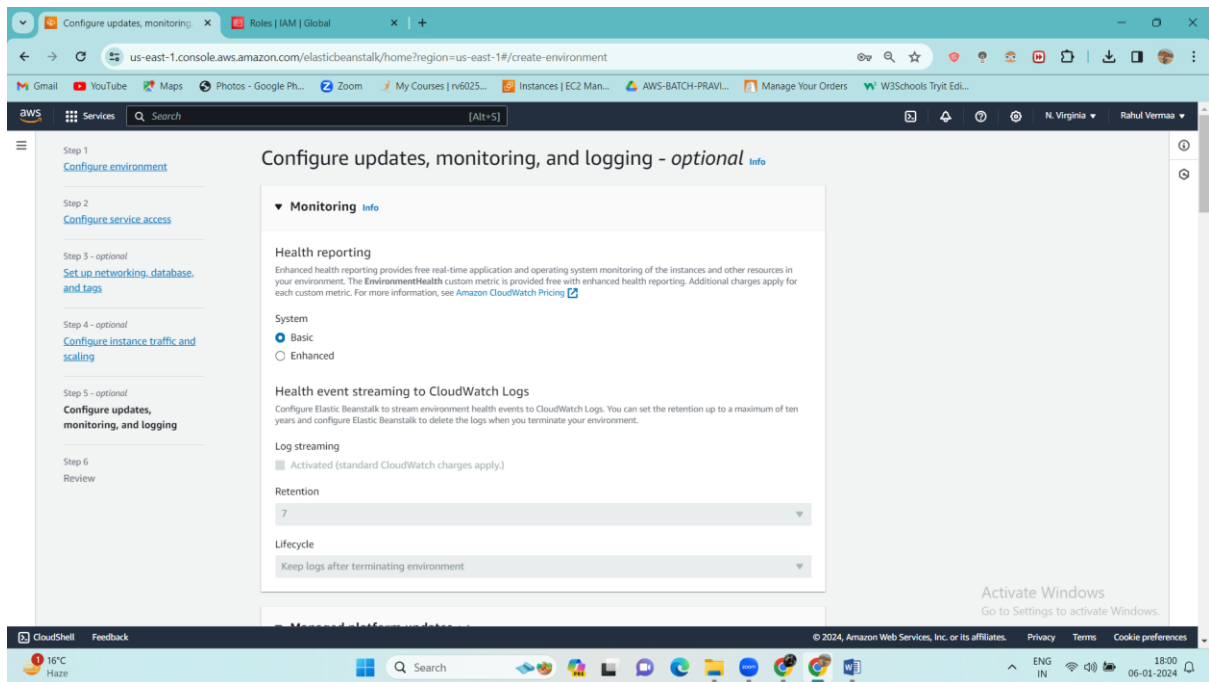
Monitoring interval

1 minute

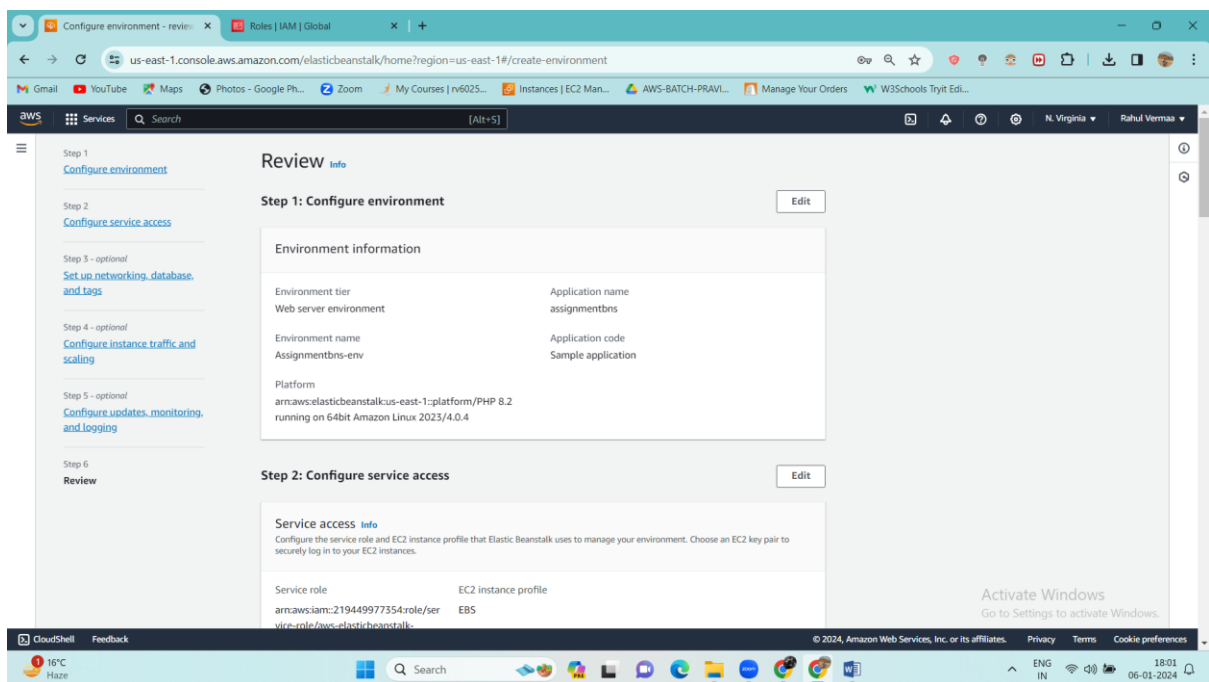
Activate Windows

Go to Settings to activate Windows.

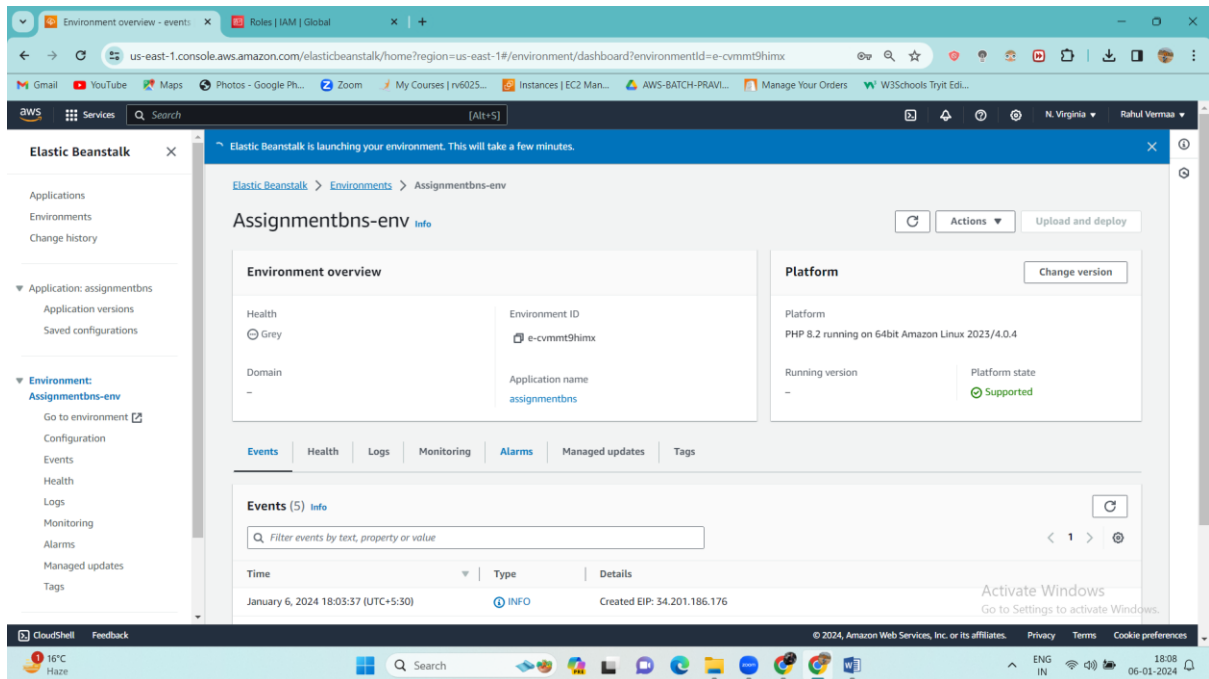
Configure 5th step now



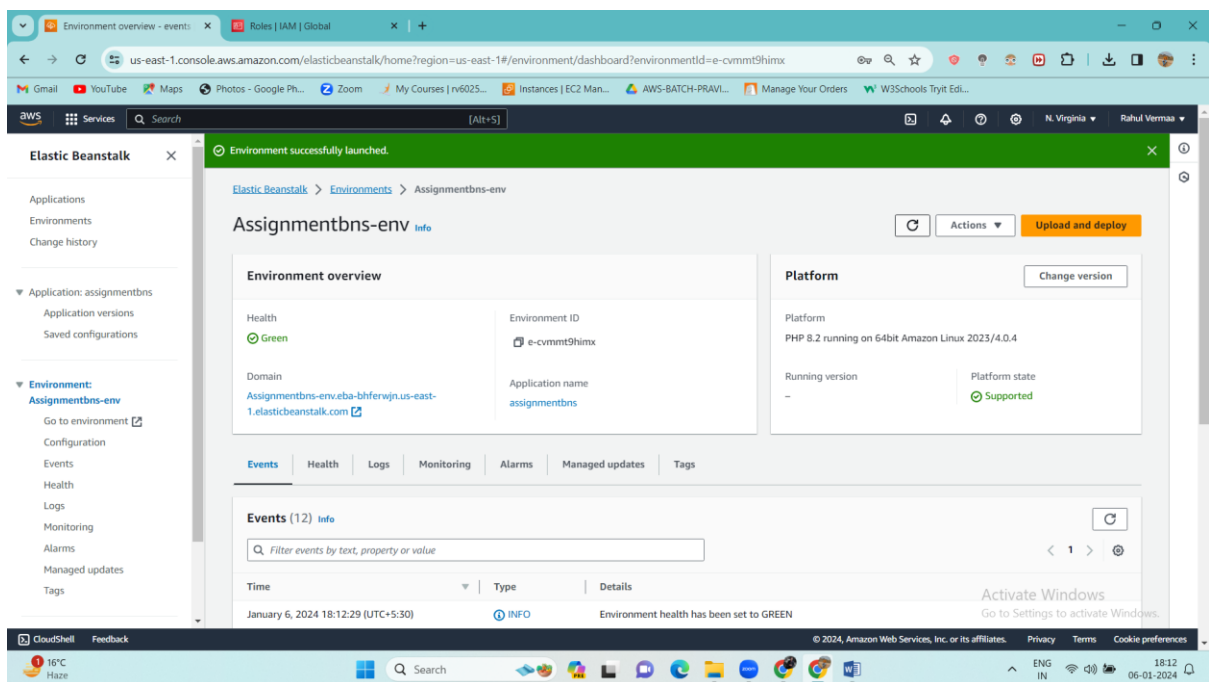
Now just review it and after that click it on submit button



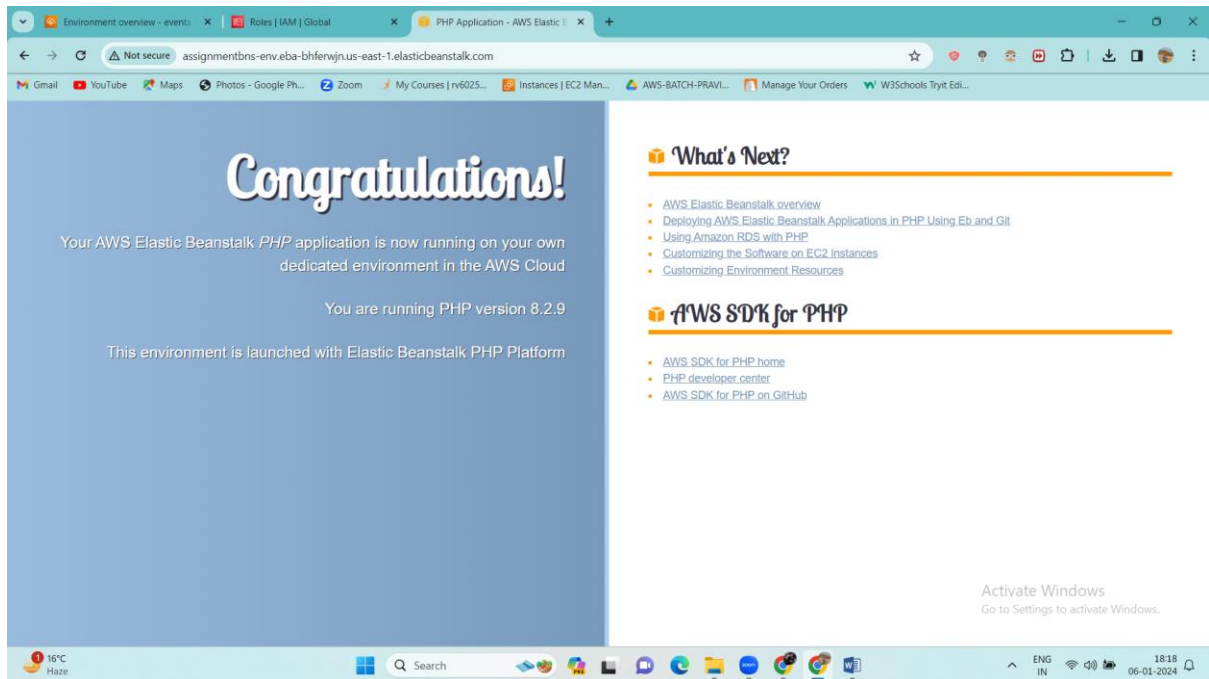
It's created now we just have to wait for it until health status turns to green.



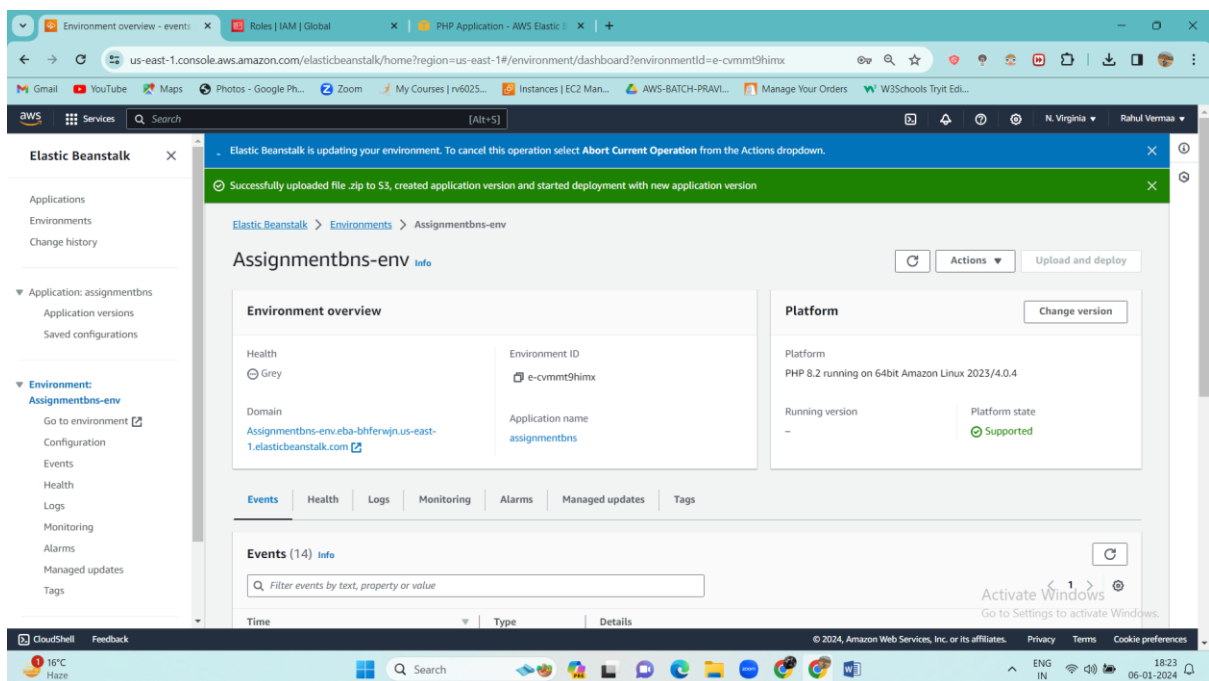
And here we go



Let's copy our domain and paste it in the web browser. It's working fine



Now let's upload one PHP file and you can see our file is uploaded successfully.



Our fill is showing now

