# EBS

AWS Elastic Block Store (EBS) is Amazon's block-level storage solution used with the EC2 cloud service to store persistent data. This means that the data is kept on the AWS EBS servers even when the EC2 instances are shut down.
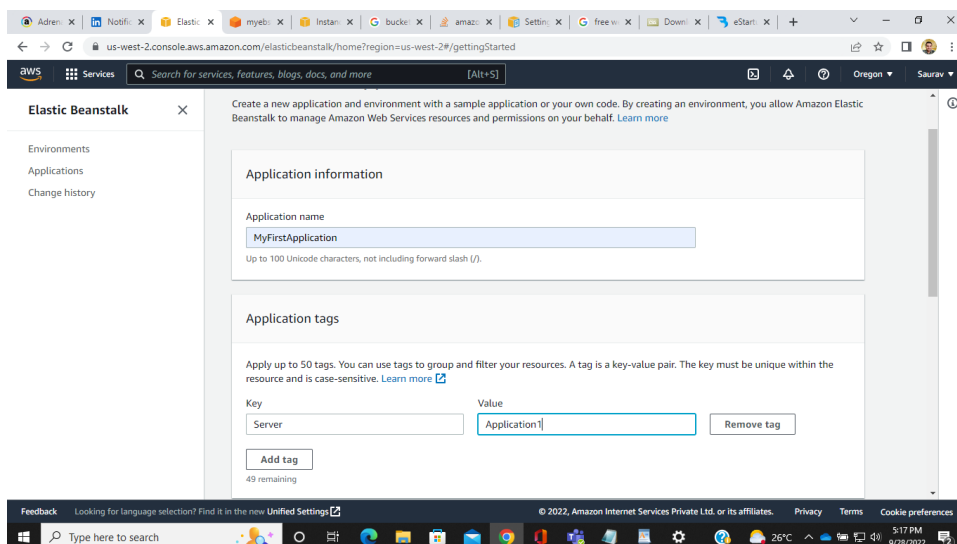
Steps to deploy Blue-Green Environment in EBS: -

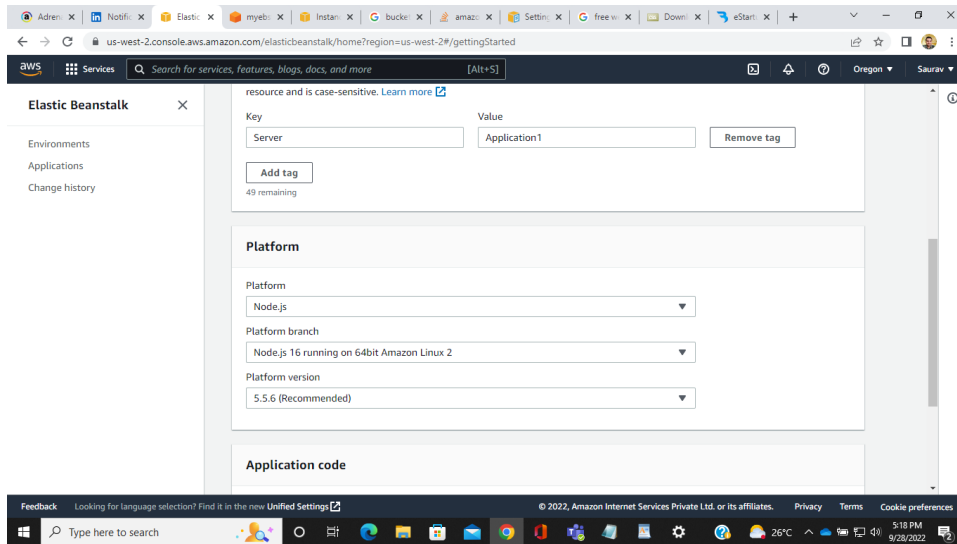**Creating an Elastic Beanstalk Blue-Environment**

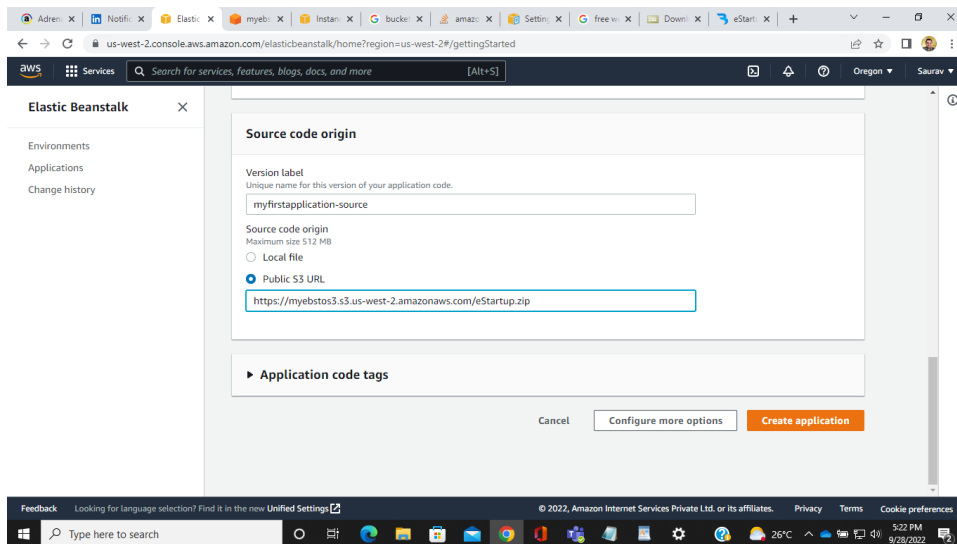**Go to the EBS and Click on the Create Application Button**
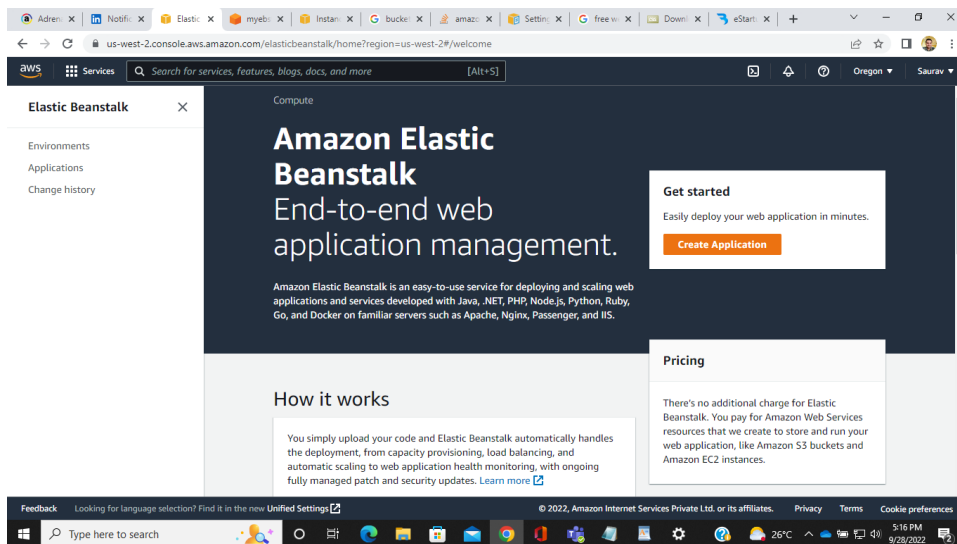
Put the application name and application tag to the ELB.

Choose a Platform

Copy URL of the zip file that has been uploaded in the Bucket and paste in the Public S3 URL of source code origin and click on the Click Application Button.

Elastic Beanstalk

Environments
Applications
Change history

▼ MyFirstApplication
  Application versions
  Saved configurations

▶ Myfirstapplication-env

Elastic Beanstalk > Environments > Myfirstapplication-env

ⓘ **Creating Myfirstapplication-env**
This will take a few minutes.

5:23pm   Using elasticbeanstalk-us-west-2-617723551174 as Amazon S3 storage bucket for environment data.
5:23pm   createEnvironment is starting.

Elastic Beanstalk

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▼ MyFirstApplication
  Application versions
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▶ Myfirstapplication-env

Elastic Beanstalk > Environments > Myfirstapplication-env

ⓘ **Creating Myfirstapplication-env**
This will take a few minutes. ...

AWSEBAutoScalingGroup-10QQQJN43NRNA:policyName/awseb-e-tnjhumi24j-stack-AWSEBAutoScalingScaleUpPolicy-sIAZFIcvqd2u
5:25pm   Created Auto Scaling group policy named:
         arn:aws:autoscaling:us-west-2:617723551174:scalingPolicy:220d7414-b7d3-4710-bb5a-6d9296560590:autoScalingGroupName/awseb-e-tnjhumi24j-stack-
         AWSEBAutoScalingGroup-10QQQJN43NRNA:policyName/awseb-e-tnjhumi24j-stack-AWSEBAutoScalingScaleDownPolicy-zj6rmLNRmR9u
5:24pm   Waiting for EC2 instances to launch. This may take a few minutes.
5:24pm   Created Auto Scaling group named:
         awseb-e-tnjhumi24j-stack-AWSEBAutoScalingGroup-10QQQJN43NRNA
5:24pm   Environment health has transitioned to Pending. Initialization in progress (running for 26 seconds). There are no instances.
5:23pm   Created security group named:
         awseb-e-tnjhumi24j-stack-AWSEBSecurityGroup-PR2R22YKQXHP
5:23pm   Created security group named:
         sg-0cddaaa0a85b8704d
5:23pm   Created target group named:
         arn:aws:elasticloadbalancing:us-west-2:617723551174:targetgroup/awseb-AWSEB-1MZ9B5VIRPYX8/ddae337bcd39a4f9
5:23pm   Using elasticbeanstalk-us-west-2-617723551174 as Amazon S3 storage bucket for environment data.
5:23pm   createEnvironment is starting.

Elastic Beanstalk

Environments
Applications
Change history

▼ MySecondApplication
  Application versions
  Saved configurations

▼ Mysecondapplication-env
  Go to environment ↗
  Configuration
  Logs
  Health
  Monitoring
  Alarms
  Managed updates

Elastic Beanstalk > Environments > Mysecondapplication-env

Mysecondapplication-env
Mysecondapplication-env.eba-kbbhewp4.us-west-2.elasticbeanstalk.com ↗ (e-mytfckrkp8)
Application name: **MySecondApplication**

[⟳ Refresh] [Actions ▾]

Health	Running version	Platform
✅	mysecondapplication-source	node®
Ok	[Upload and deploy]	Node.js 16 running on 64bit Amazon Linux 2/5.5.6
[Causes]		[Change]

Recent events   [Show all]
                                                           ◄ 1 ►
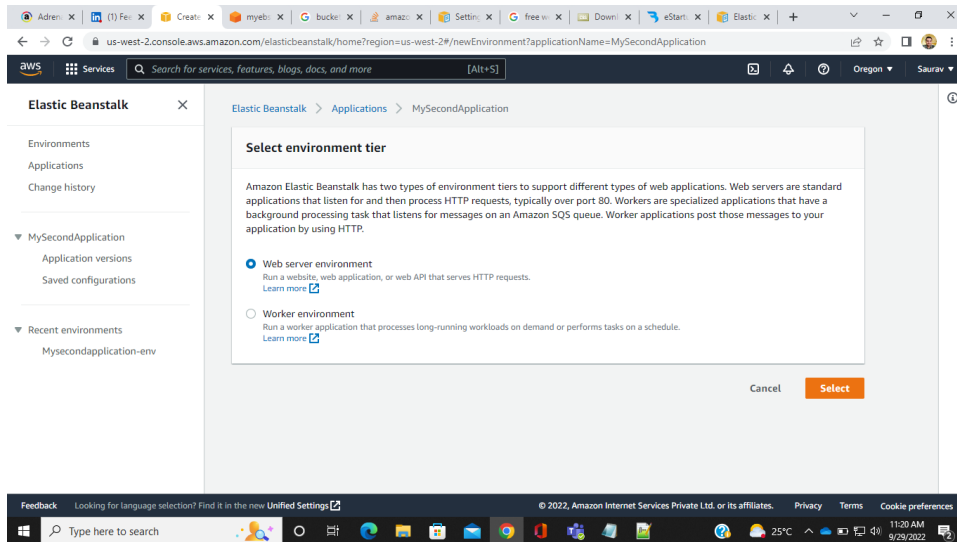
Time   Type   Details
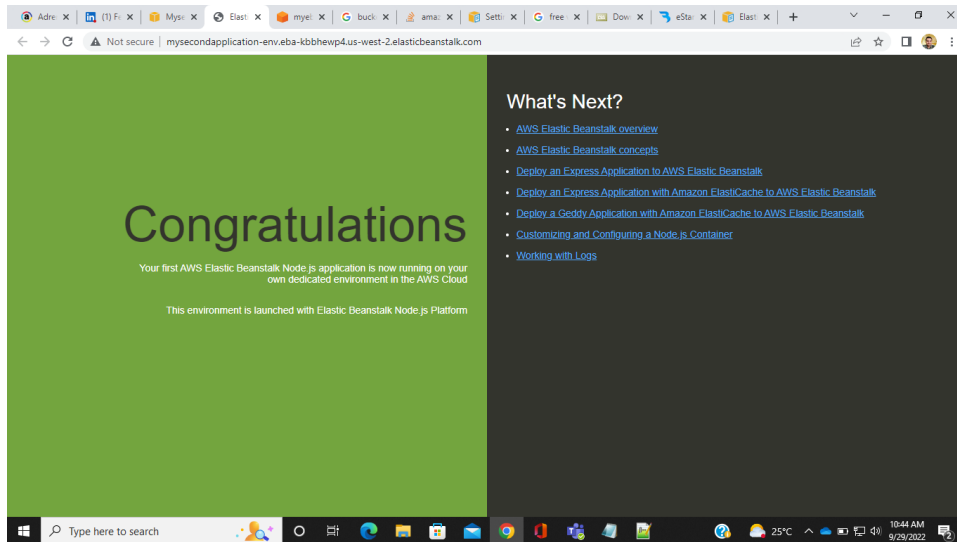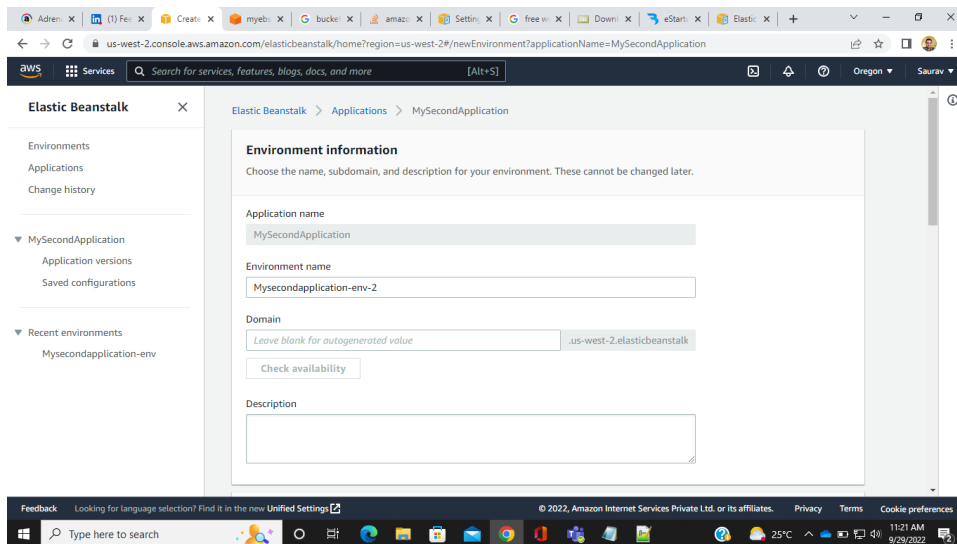
Creating an Elastic Beanstalk Green-Environment

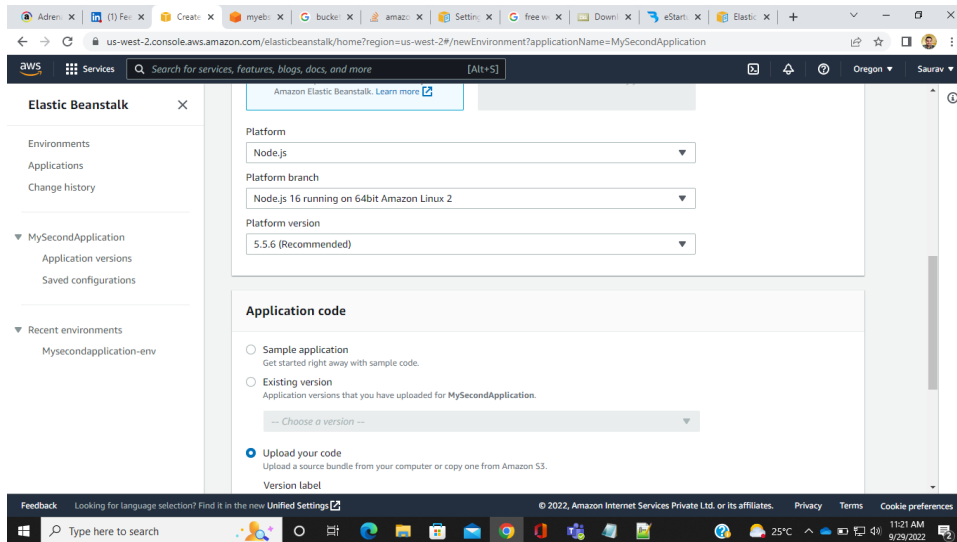**Click on the Create a new environment option from the previously created environment in the EBS Dashboard.**
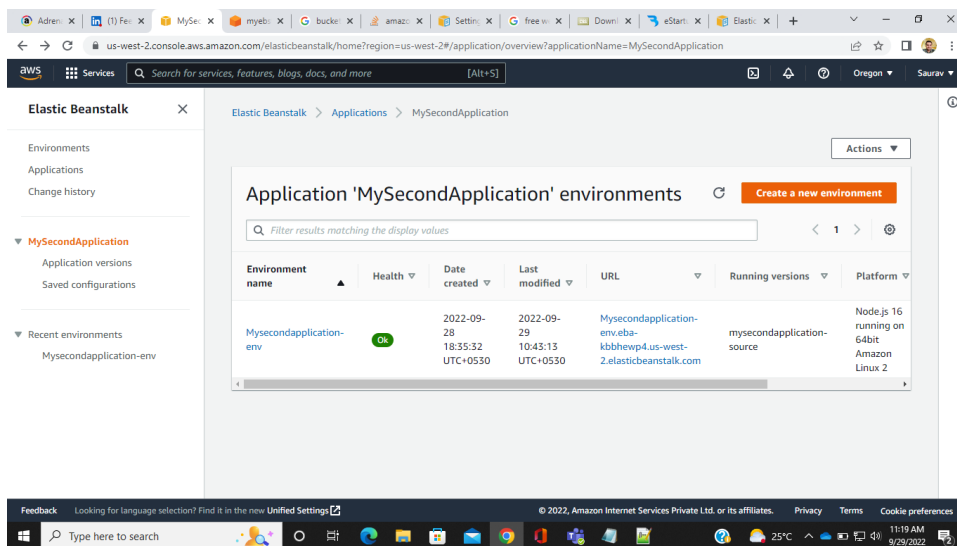
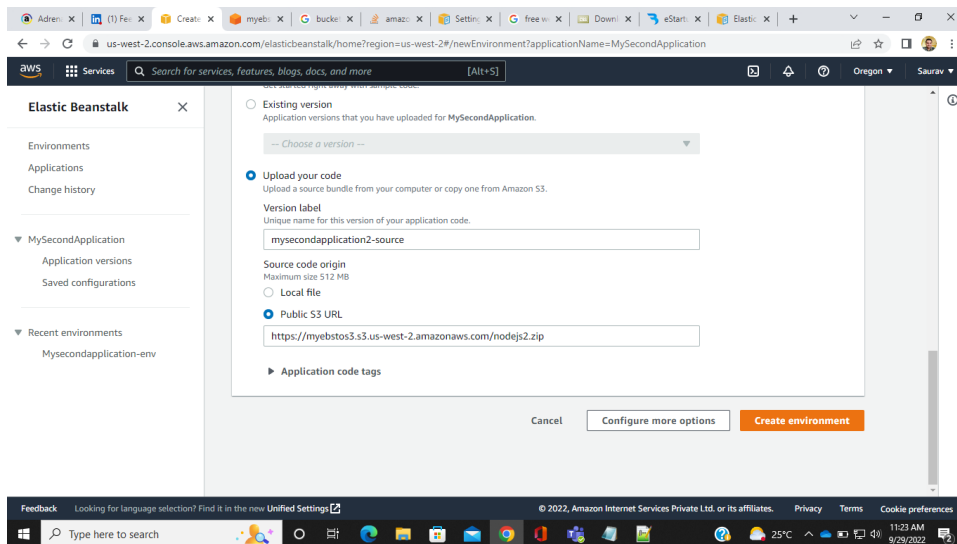**Select the web-server environment**

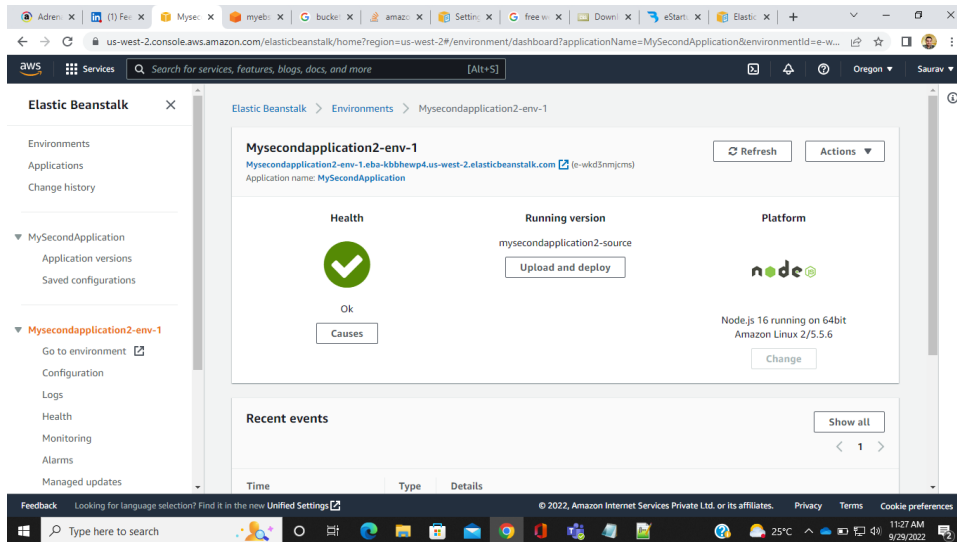**It will automatically take the application name**
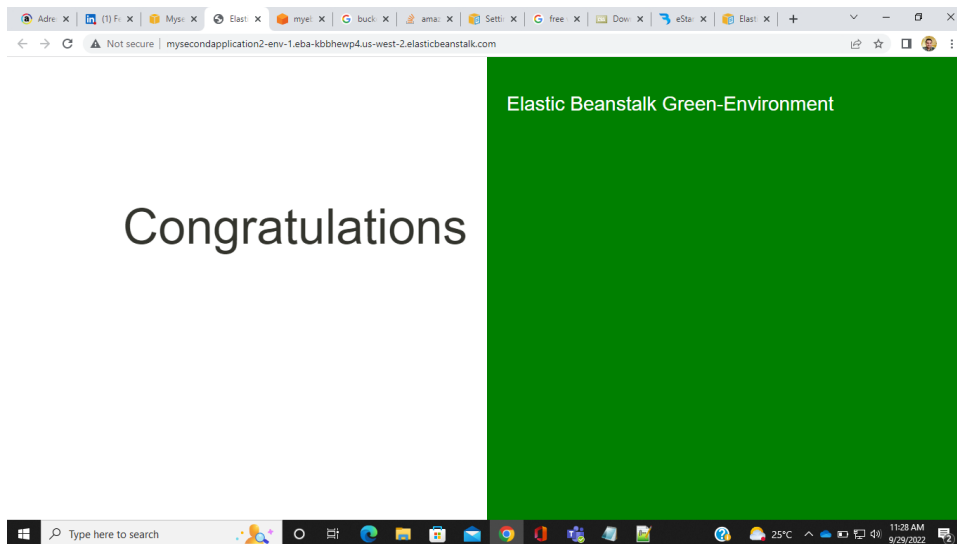

Select your same previously created platform

Change the version and upload the S3 file and click on the create environment button

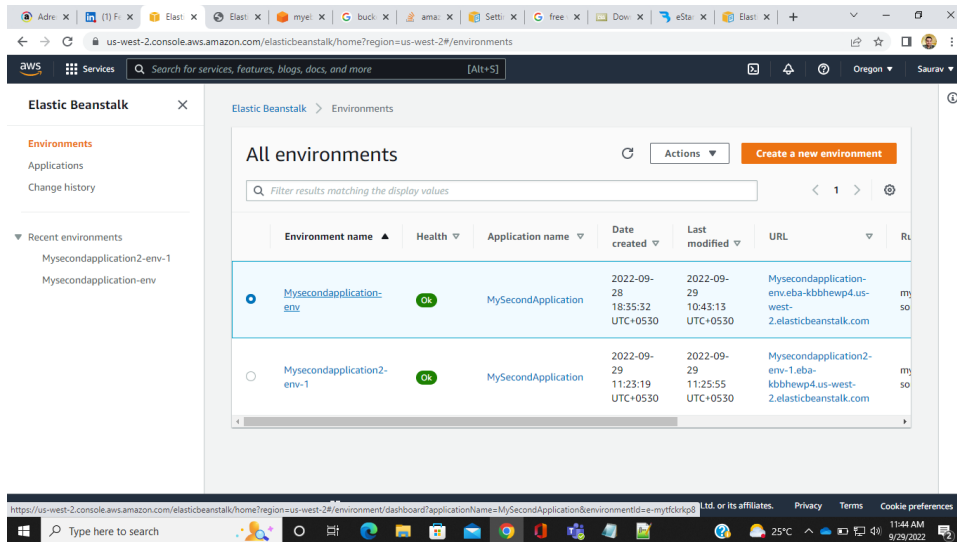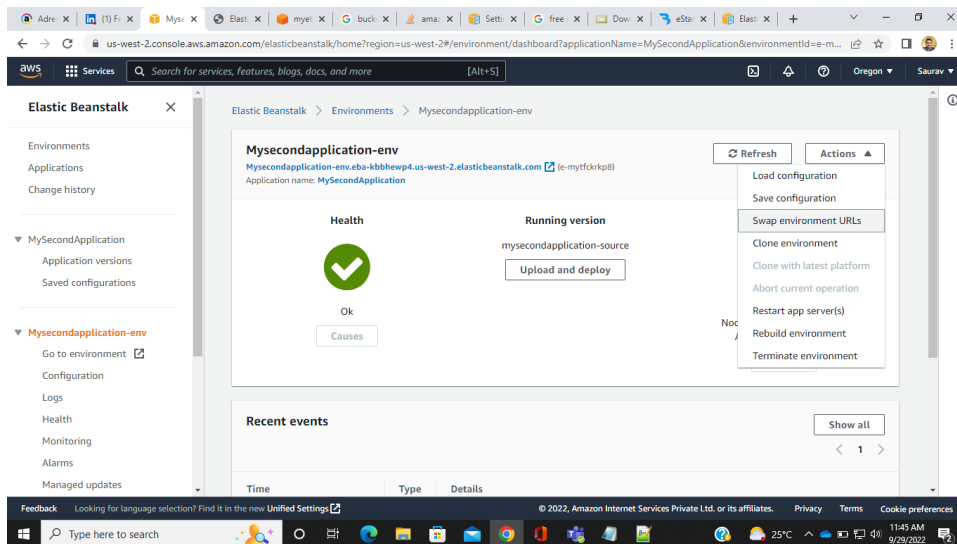**The environment has successfully created**

The updated green environment

Now, swap the URL from Blue to Green

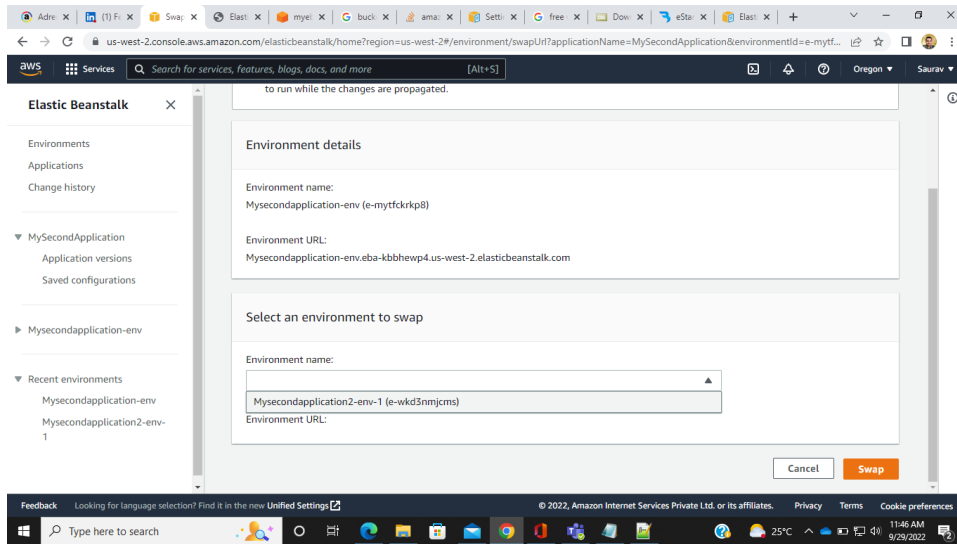**Select the First Environment**

Go to action and select Swap Environment URLs

Select the environment you want to swap and click on Swap Button

The blue-green environment has successfully swapped.