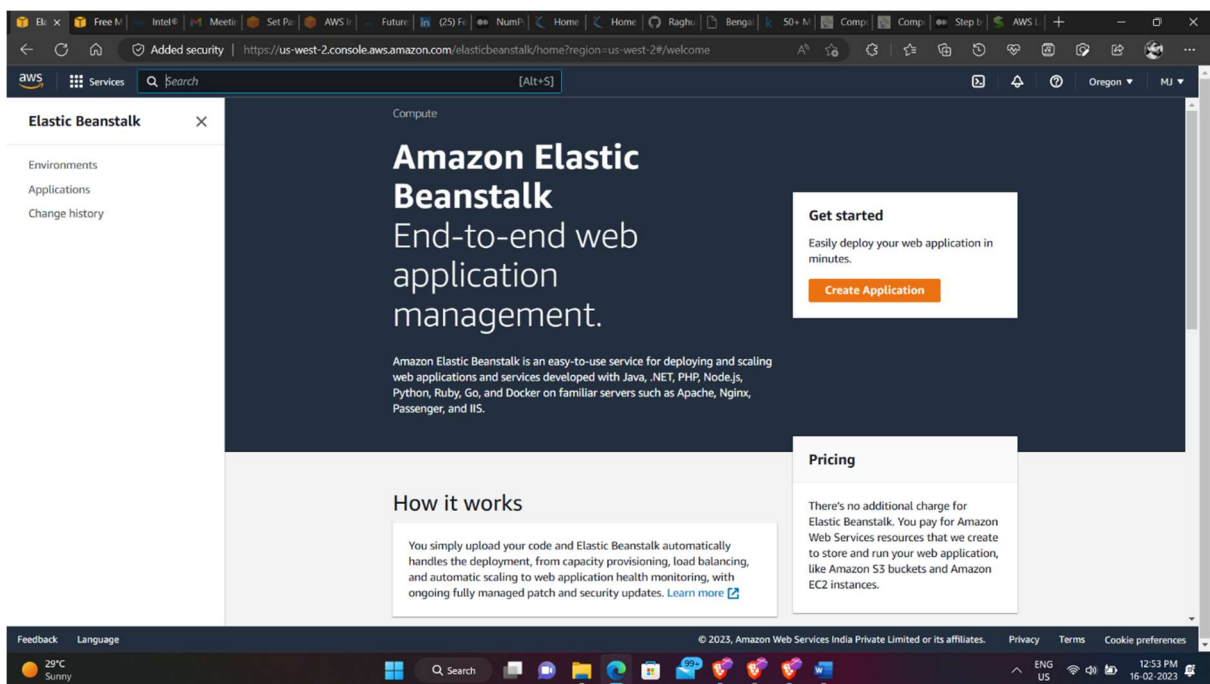
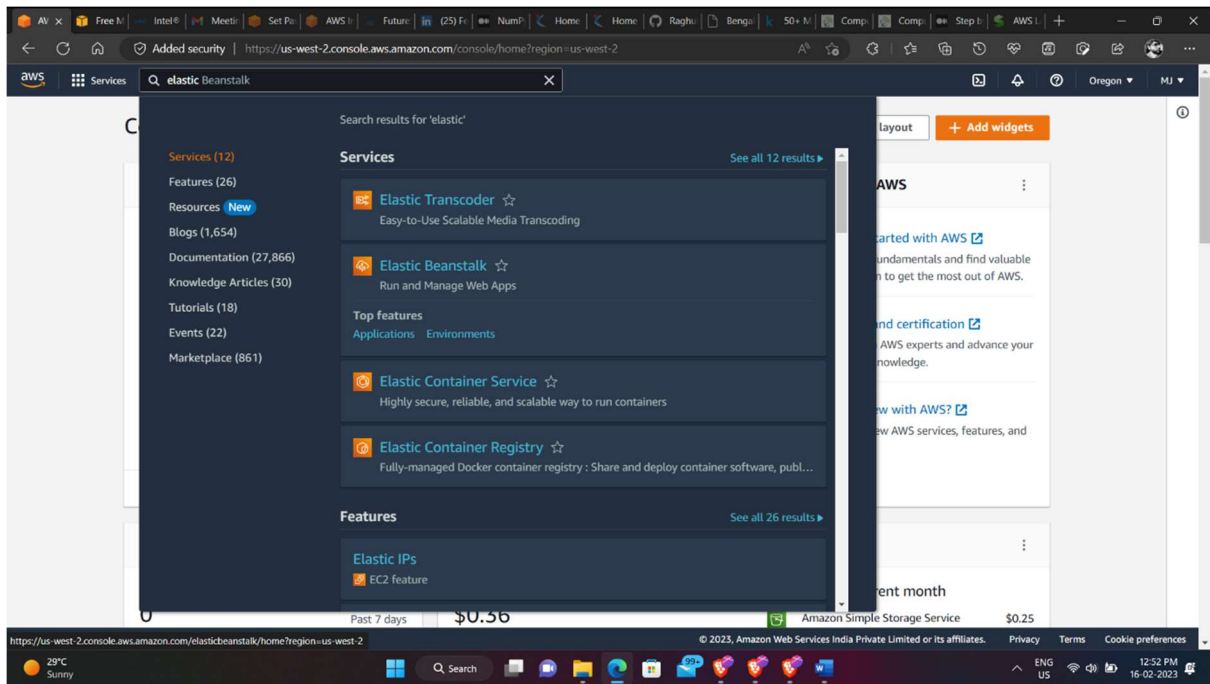


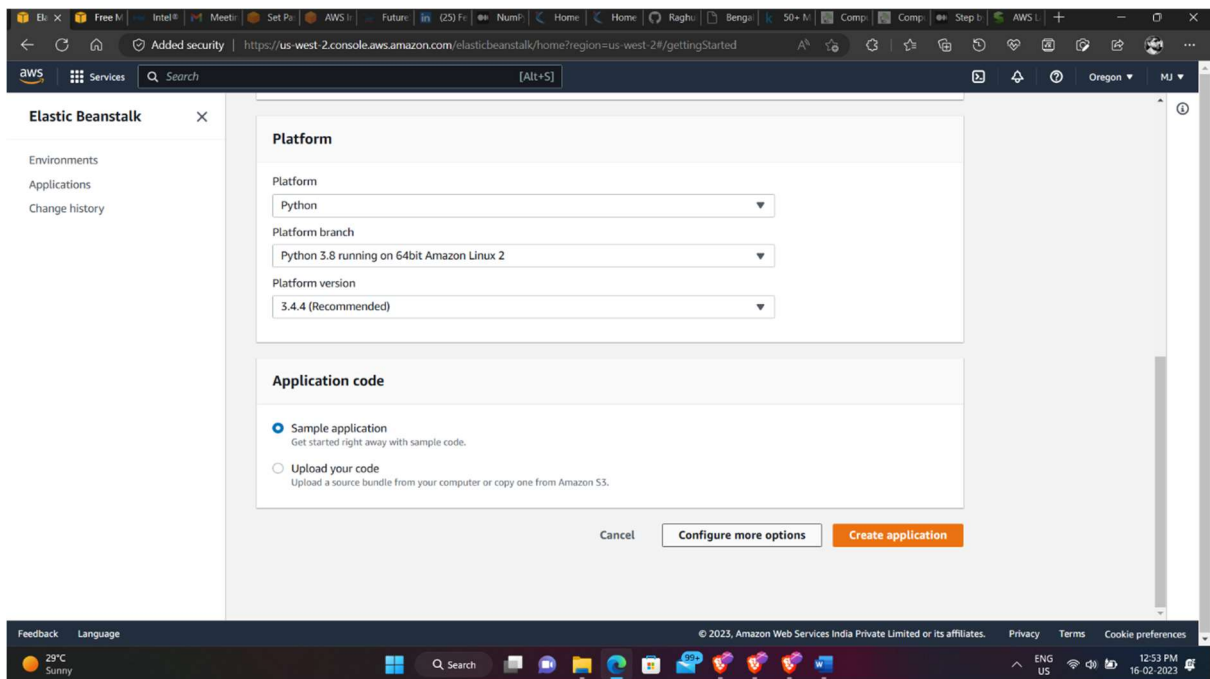
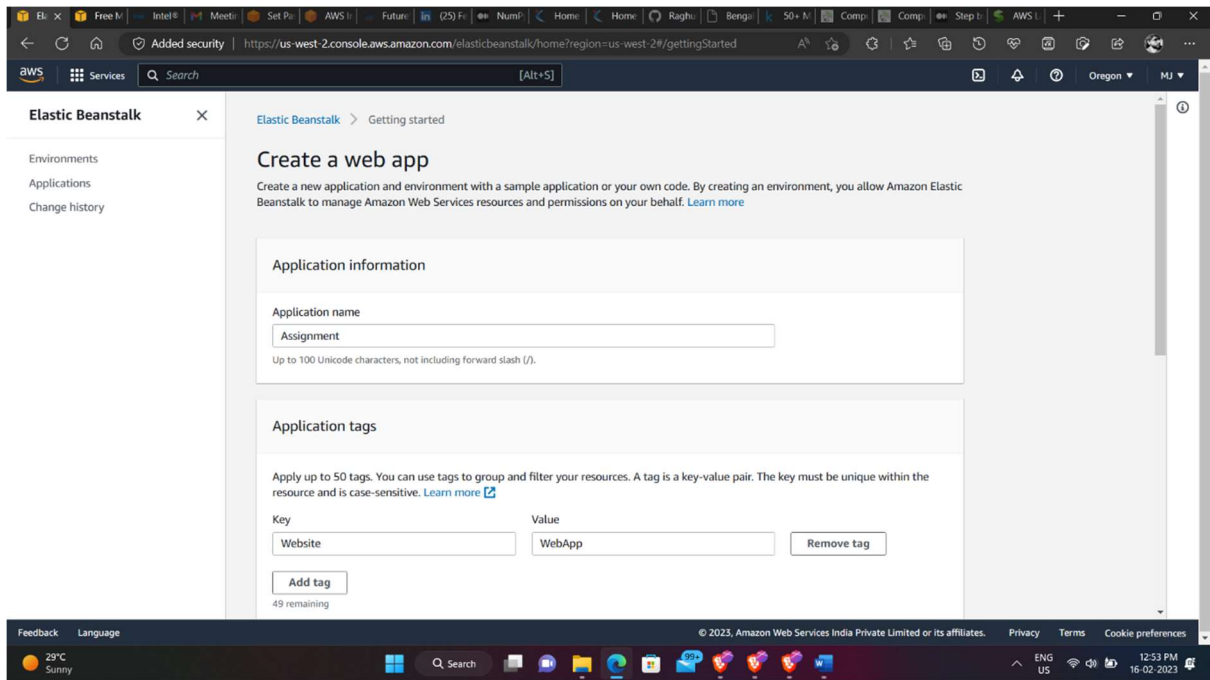
Assignment - 4:

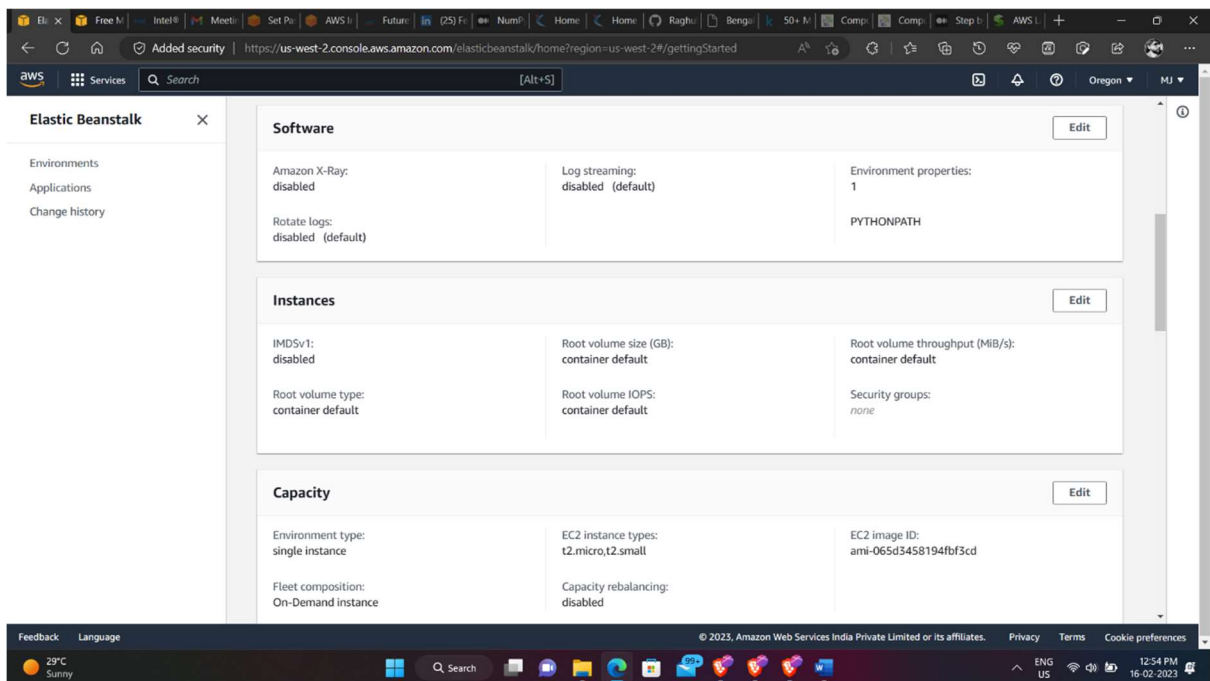
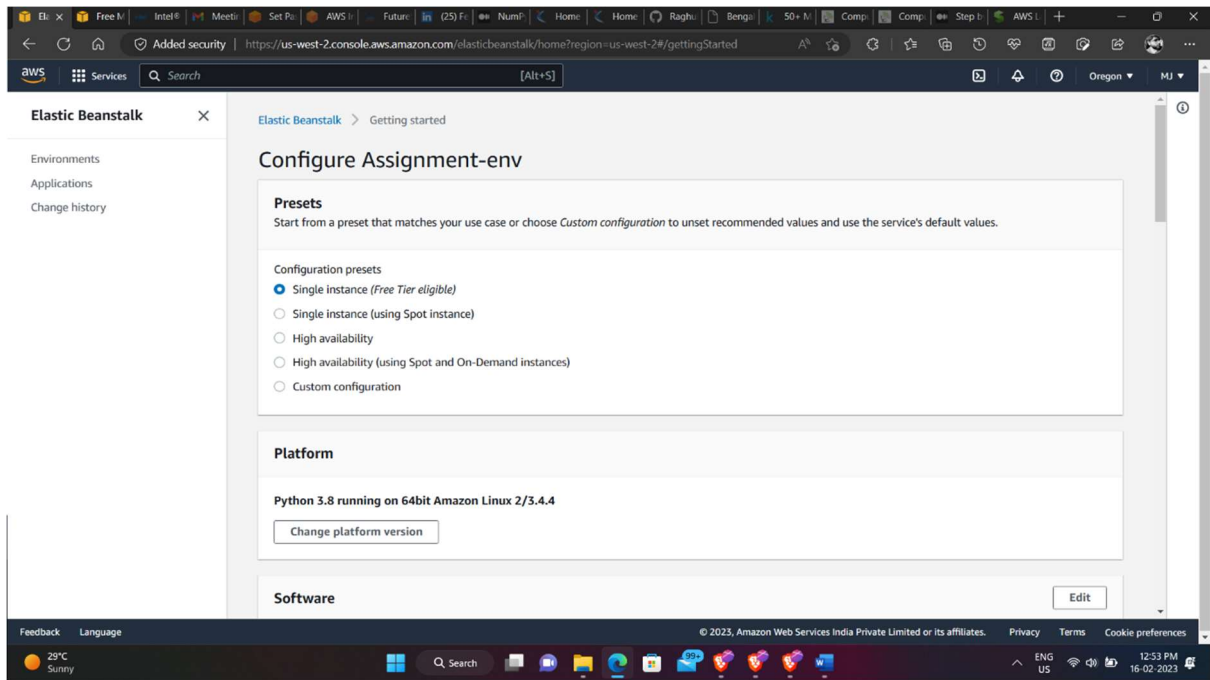
Host and deploy an application using Elastic Beanstalk

Synopsis: Create your example application, you'll use the Create a web app console wizard. It creates an Elastic Beanstalk application and launches an environment within it. An environment is the collection of AWS resources required to run your application code.

- Search for 'Elastic Beanstalk' in the management console and the click on it. You will be redirected to Elastic Beanstalk page.
- Here click on 'Create Application', in the next page give the Application name and select the platform in which you would like to run your code (Here Python 3.8).
- Then select 'Configure more options'. Here you need to add Network by clicking on 'Edit' button.
- After adding the network click on 'Save' and then click on 'Create app'.
- Wait for some time to see the creation process completed.
- It will launch all the necessary storage, instance, elastic IP services which are required.
- Then you can go into the environment which you have created and click on the link which is available at the top, below the environment name. You will be redirected to the Web Application/Page which you have created.







Browser tabs: El: X, Free b, Intel, Meeti, Set Pa, AWS li, Future, (25) F, NumP, Home, Home, Raghu, Benga, 50+ M, Comp, Comp, Step b, AWS L.

Address bar: Added security | https://us-west-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-west-2#/gettingStarted

Services Search [Alt+S] Oregon MJ

Elastic Beanstalk

- Environments
- Applications
- Change history

Load balancer

This configuration does not contain a load balancer.

Rolling updates and deployments

Edit

Deployment policy: All at once | Rolling updates: disabled

Security

Edit

Service role: `arn:aws:iam::846780726677:role/aws-elasticbeanstalk-service-role` | Virtual machine key pair: -- | Virtual machine instance profile: `aws-elasticbeanstalk-ec2-role`

Monitoring

Edit

Health reporting system: Enhanced | Health event log streaming: disabled

Managed Updates

Edit

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Browser tabs: El: X, Free b, Intel, Meeti, Set Pa, AWS li, Future, (25) F, NumP, Home, Home, Raghu, Benga, 50+ M, Comp, Comp, Step b, AWS L.

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Services Search [Alt+S] Oregon MJ

Elastic Beanstalk

- Environments
- Applications
- Change history

Managed Updates

Edit

Managed updates: enabled | Weekly update window: Tue:15:00 UTC

Notifications

Edit

Email address: --

Network

Edit

This environment is not part of a VPC.

Database

Edit

Engine: -- | Instance class: -- | Multi-AZ: -- | Storage (GB): --

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Elastic Beanstalk

Environments

Applications

Change history

Elastic Beanstalk

Getting started

Modify network

Virtual private cloud (VPC)

VPC

Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. [Learn more](#)

vpc-04cfd5c11786a0a6e (10.0.0.0/16) | Practice

Your account doesn't have a default VPC for this region. [Create default VPC](#)

Instance settings

Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances.

Public IP address

Assign a public IP address to the Amazon EC2 instances in your environment.

Instance subnets

Availability Zone	Subnet	CIDR	Name
<input checked="" type="checkbox"/> us-west-2a	subnet-	10.0.0.0/20	project-vpc-

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Elastic Beanstalk

Environments

Applications

Change history

Instance settings

Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances.

Public IP address

Assign a public IP address to the Amazon EC2 instances in your environment.

Instance subnets

Availability Zone	Subnet	CIDR	Name
<input checked="" type="checkbox"/> us-west-2a	subnet-0cceb456246bfa76	10.0.0.0/20	project-vpc-subnet-public1-us-west-2a
<input checked="" type="checkbox"/> us-west-2a	subnet-069e4fdd06e6747b3	10.0.128.0/20	project-vpc-subnet-private1-us-west-2a
<input checked="" type="checkbox"/> us-west-2b	subnet-0c1ce00eee9d2bda5	10.0.144.0/20	project-vpc-subnet-private2-us-west-2b
<input checked="" type="checkbox"/> us-west-2b	subnet-0f79a4eb85f6ca49c	10.0.16.0/20	project-vpc-subnet-public2-us-west-2b

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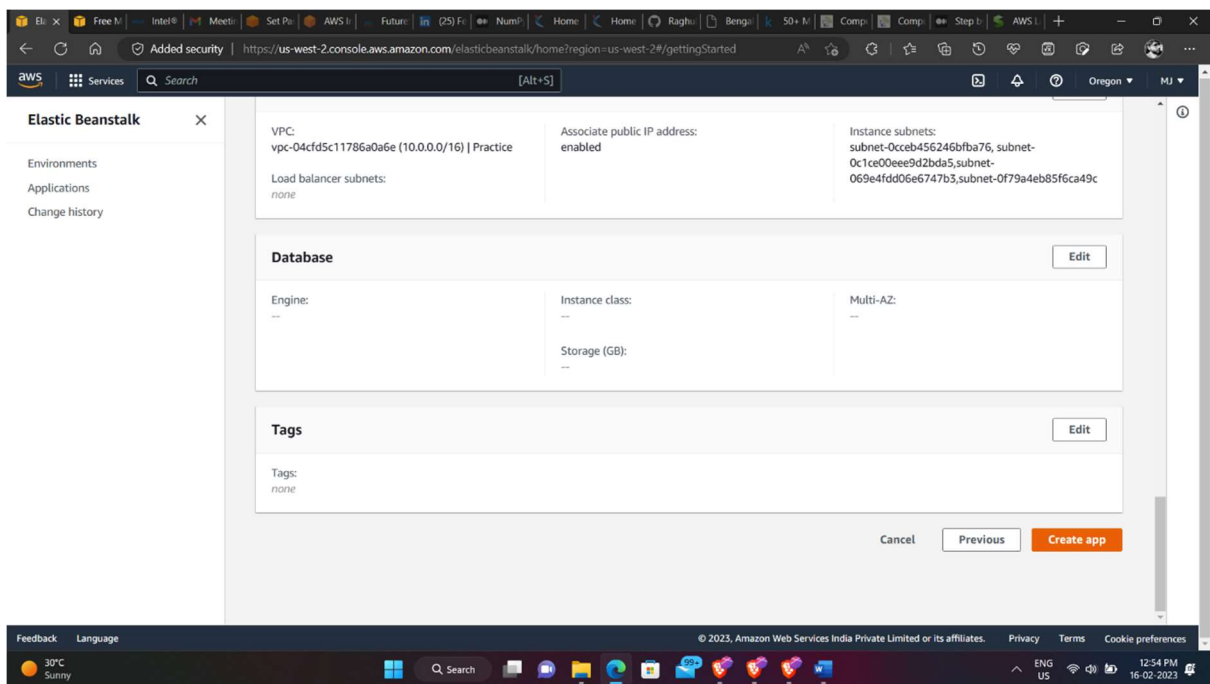
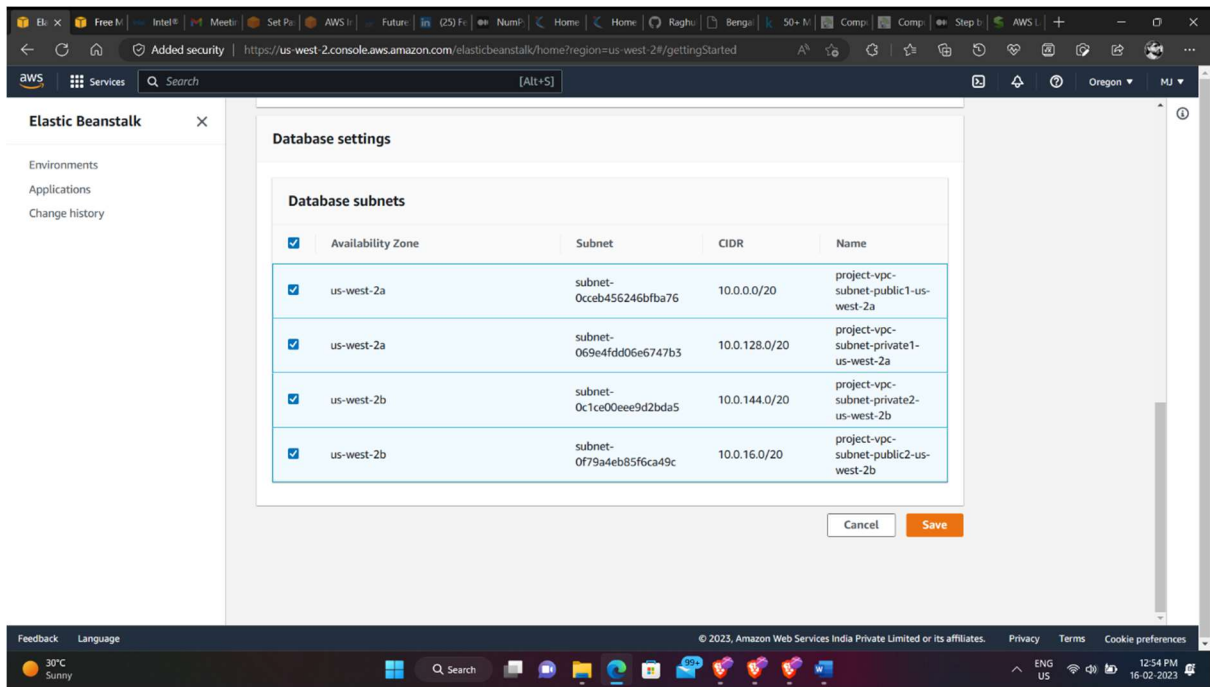
Terms

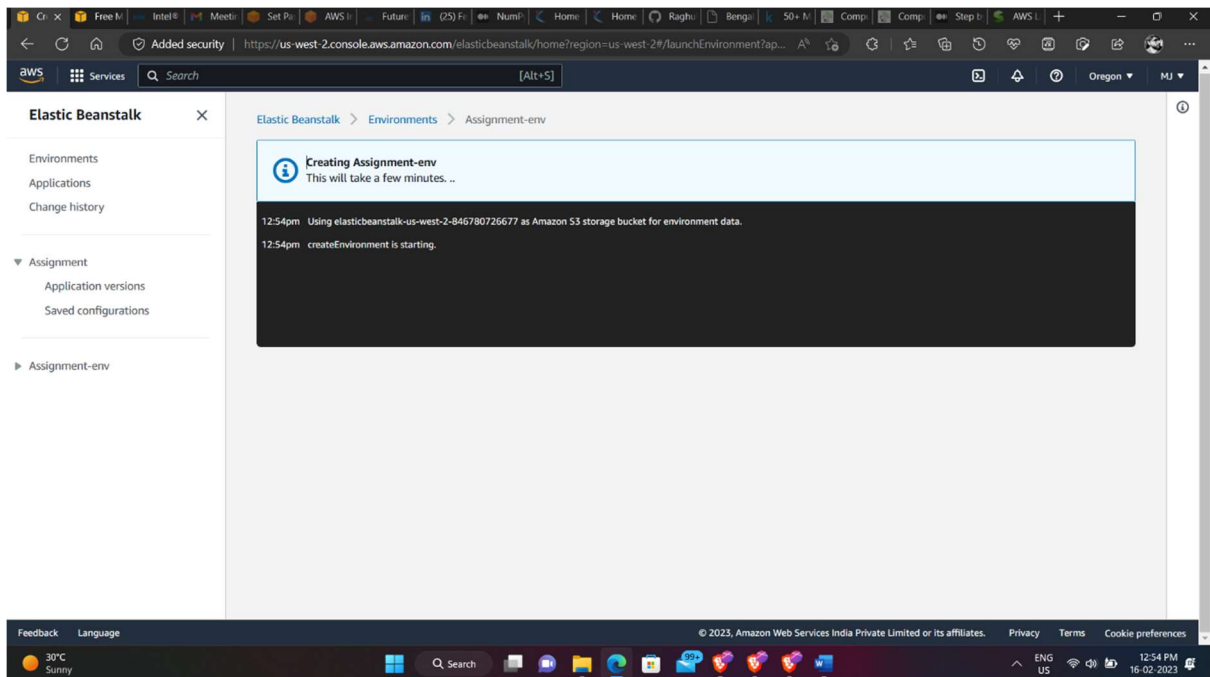
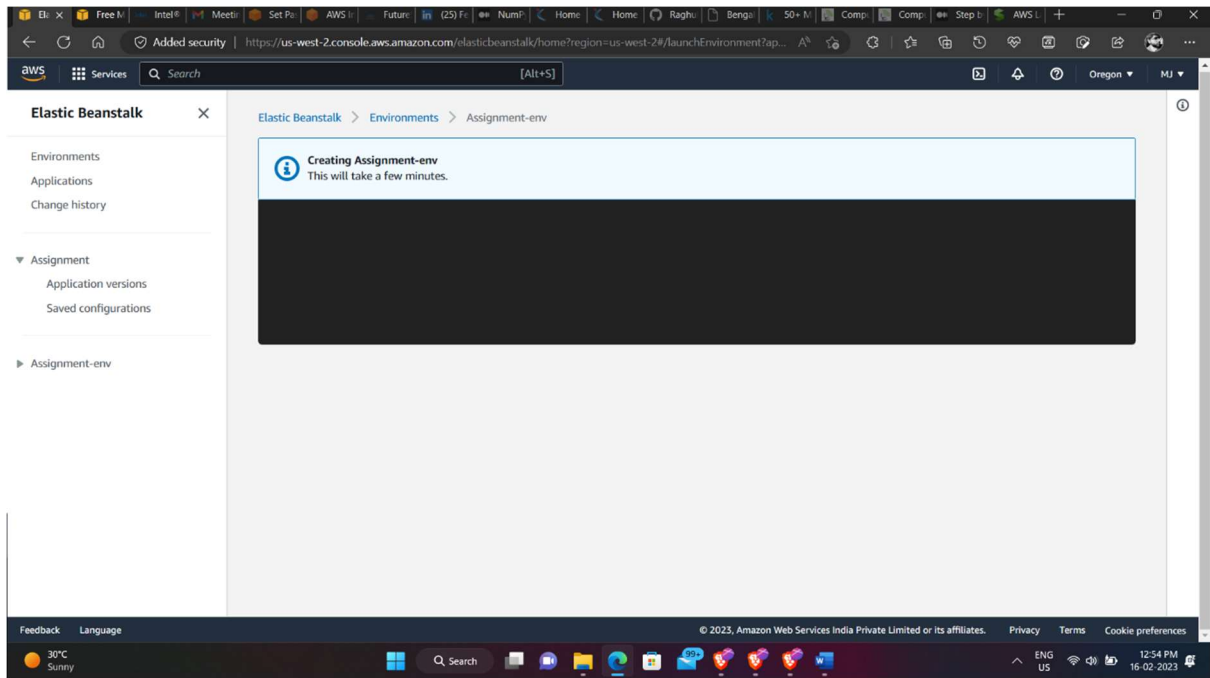
Cookie preferences

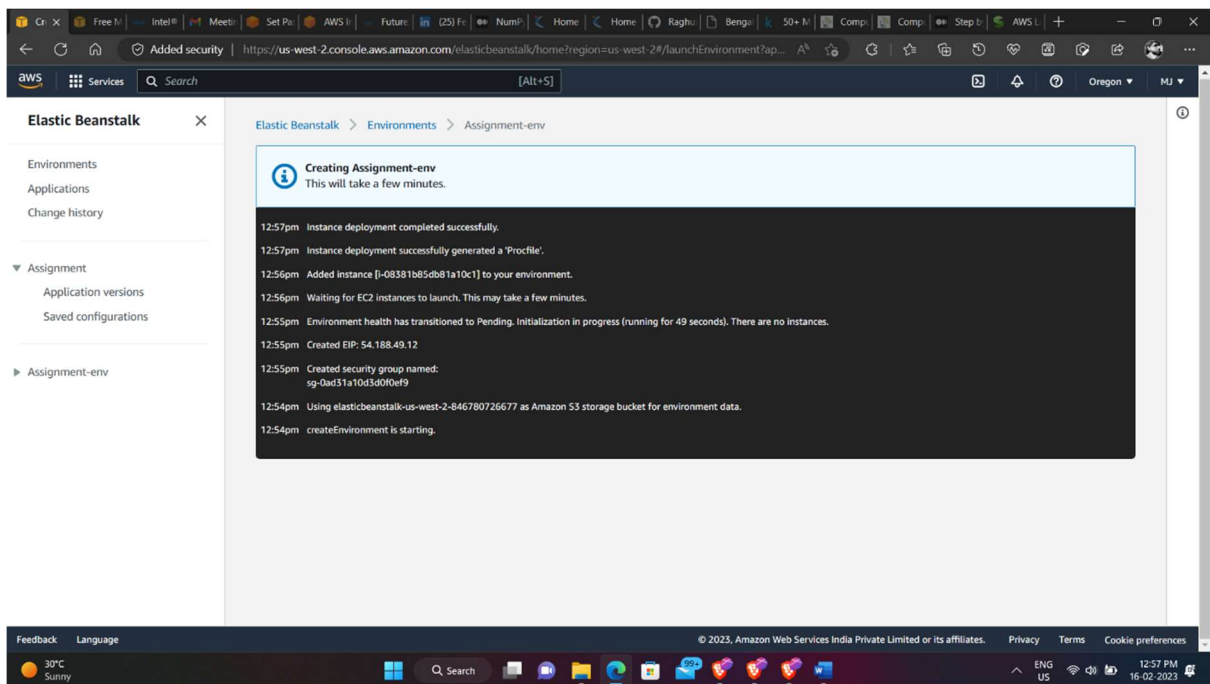
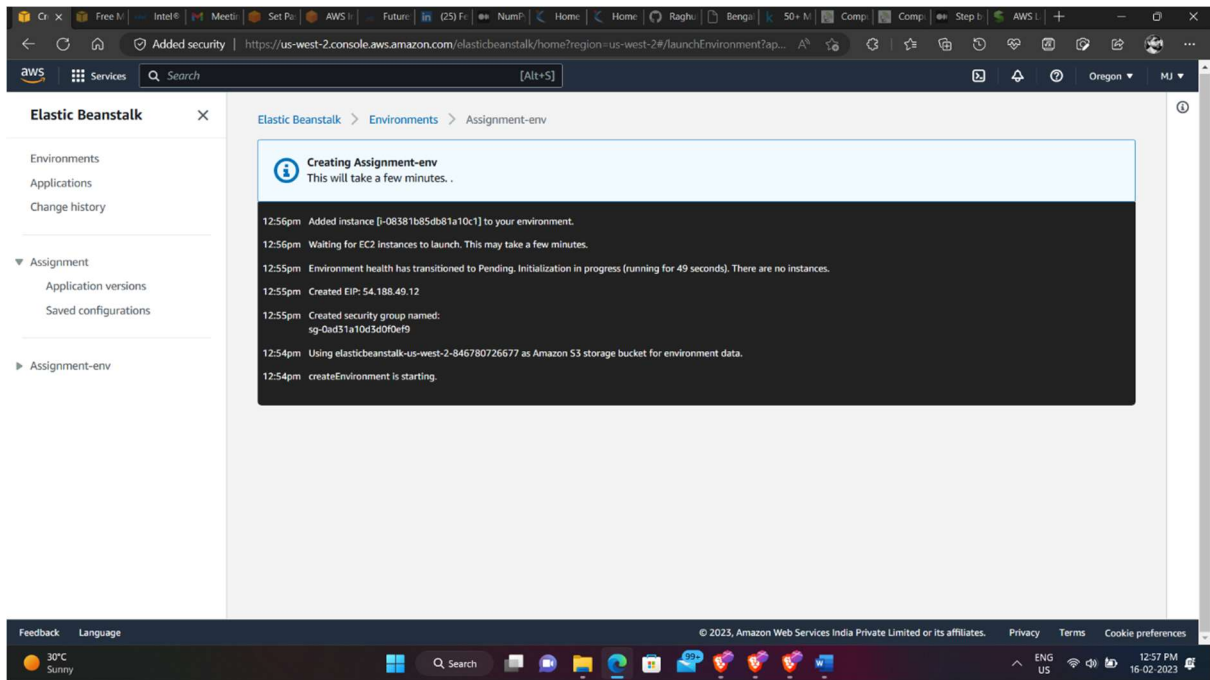
ENG US

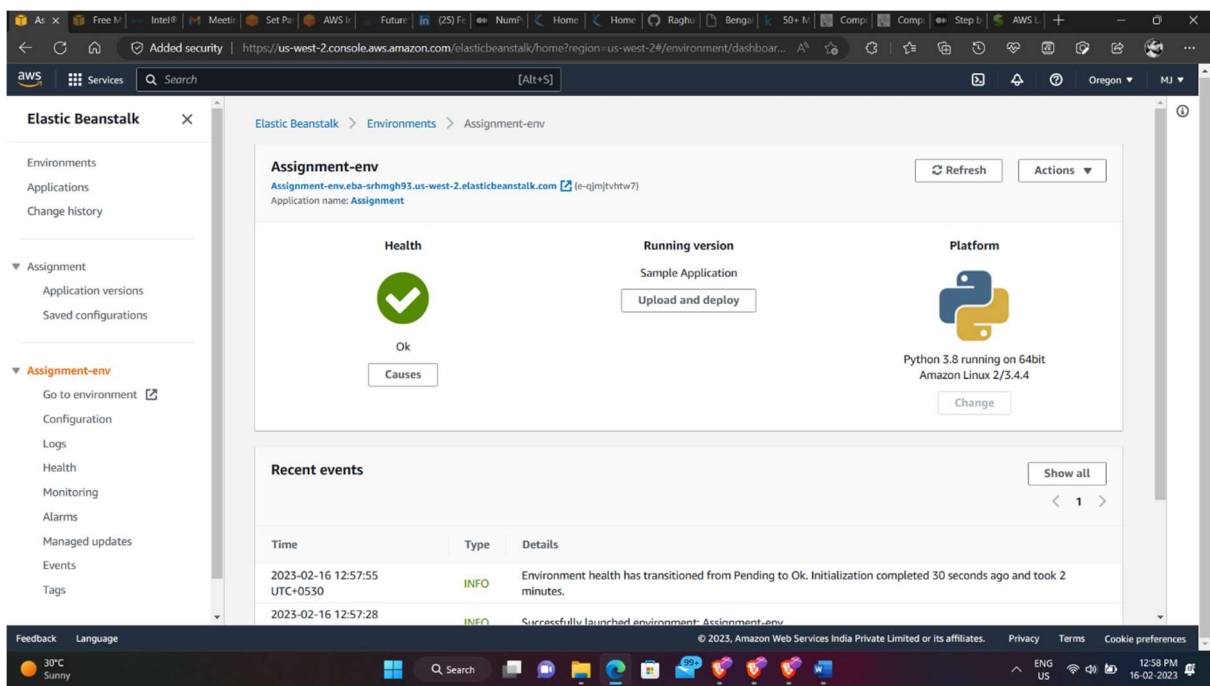
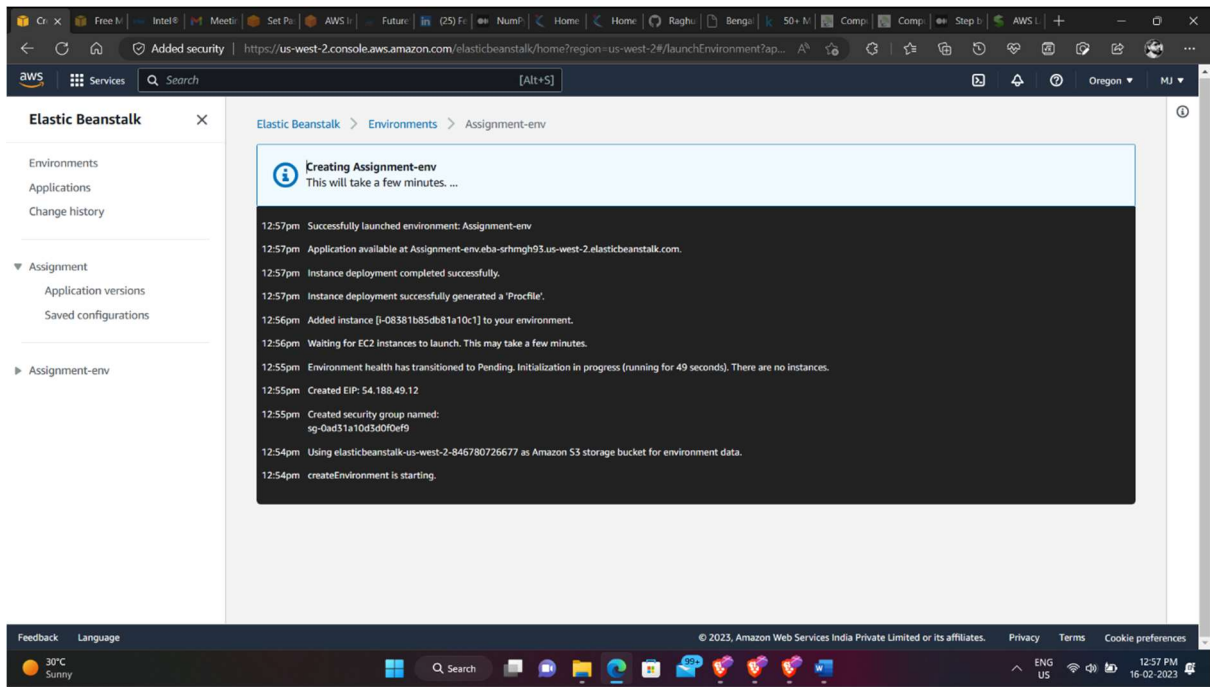
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As X Free Intel Meeti Set Pa AWS Future (25) F NumP Home Home Raghu Bengi k 50+ M Comp. Comp. Step b AWS L +

Added security | https://us-west-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-west-2#/environment/dashboard... | Oregon MJ

Elastic Beanstalk


- Environments
- Applications
- Change history

▼ Assignment

- Application versions
- Saved configurations

▼ Assignment-env

- Go to environment
- Configuration
- Logs
- Health
- Monitoring
- Alarms
- Managed updates
- Events
- Tags




Ok

Causes

Running version

Sample Application

Upload and deploy



Python 3.8 running on 64bit
Amazon Linux 2/3.4.4

Change

Recent events

Show all

< 1 >

Time	Type	Details
2023-02-16 12:57:55 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 30 seconds ago and took 2 minutes.
2023-02-16 12:57:28 UTC+0530	INFO	Successfully launched environment: Assignment-env
2023-02-16 12:57:26 UTC+0530	INFO	Application available at Assignment-env.eba-srhmg93.us-west-2.elasticbeanstalk.com.
2023-02-16 12:57:11 UTC+0530	INFO	Instance deployment completed successfully.
2023-02-16 12:57:08 UTC+0530	INFO	Instance deployment successfully generated a 'Profile'.

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Elastic Beanstalk


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2023-02-16 12:57:28 UTC+0530	INFO	Successfully launched environment: Assignment-env

assignment-env.eba-srhmg93.us-west-2.elasticbeanstalk.com

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