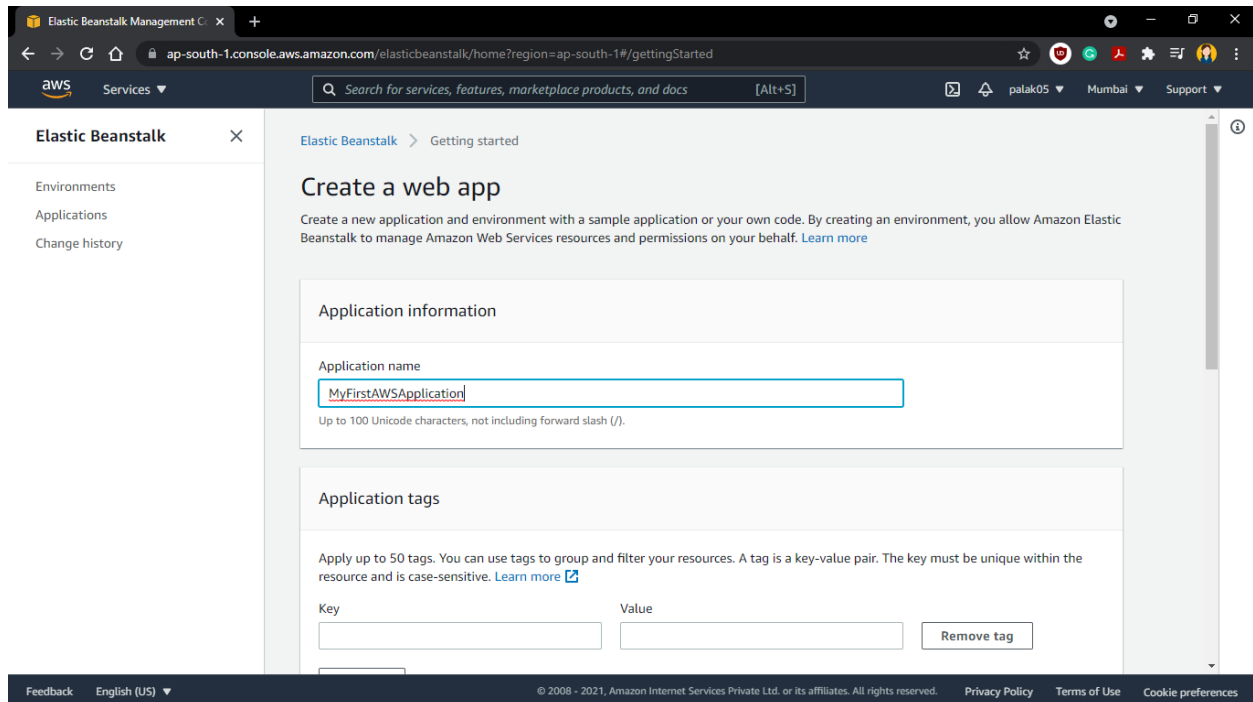
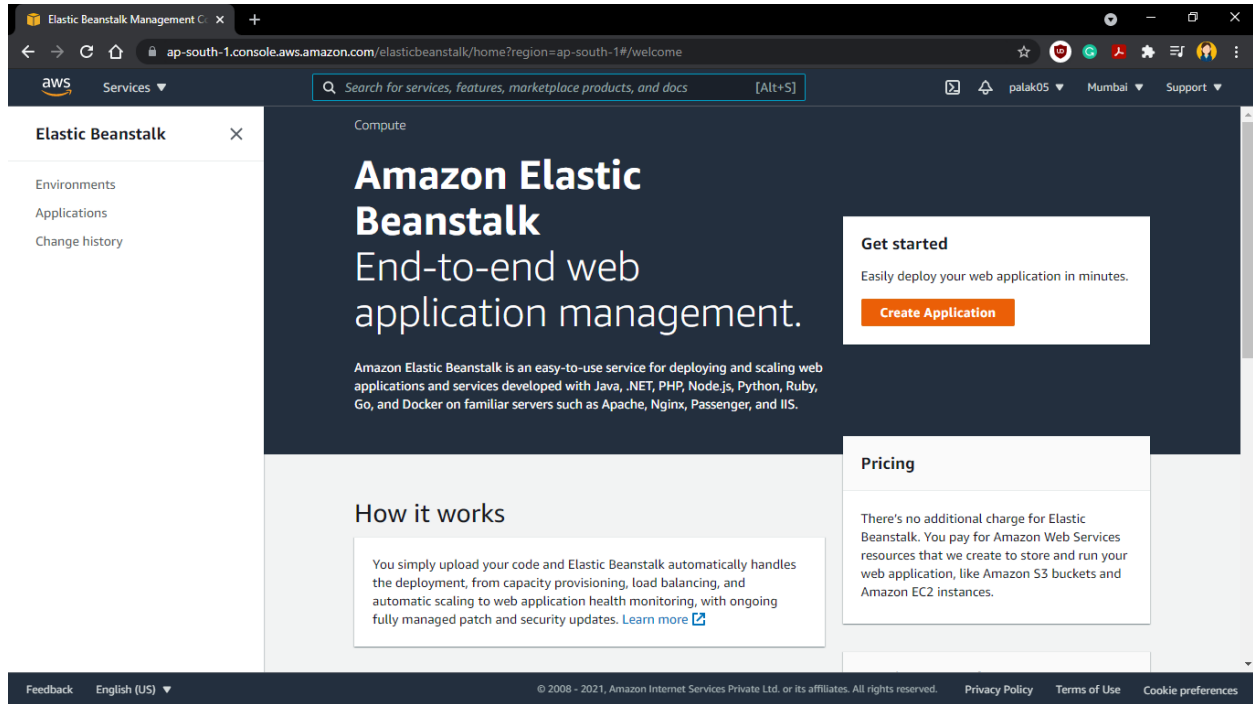


# ASSIGNMENT 3

## DEPLOYING AN APPLICATION ON ELASTIC BEANSTALK



The screenshot shows the 'Create application' page in the AWS Elastic Beanstalk console. The left sidebar contains 'Elastic Beanstalk', 'Environments', 'Applications', and 'Change history'. The main content area is titled 'Platform' and includes three dropdown menus: 'Platform' (set to 'Java'), 'Platform branch' (set to 'Corretto 11 running on 64bit Amazon Linux 2'), and 'Platform version' (set to '3.2.4 (Recommended)'). Below these is the 'Application code' section with two radio buttons: 'Sample application' (selected) and 'Upload your code'. At the bottom right are three buttons: 'Cancel', 'Configure more options', and 'Create application'.

Elastic Beanstalk Management Console

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/gettingStarted

Search for services, features, marketplace products, and docs [Alt+S]

palak05 Mumbai Support

**Elastic Beanstalk**

Environments  
Applications  
Change history

**Platform**

Platform  
Java

Platform branch  
Corretto 11 running on 64bit Amazon Linux 2

Platform version  
3.2.4 (Recommended)

**Application code**

☒ Sample application  
Get started right away with sample code.

☐ Upload your code  
Upload a source bundle from your computer or copy one from Amazon S3.

Cancel Configure more options Create application

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The screenshot shows the 'Create environment' page in the AWS Elastic Beanstalk console. The left sidebar contains 'Elastic Beanstalk', 'Environments', 'Applications', and 'Change history'. The main content area is titled 'Elastic Beanstalk > Environments > Myfirstawsapplication-env'. It features a blue header box with an information icon and the text 'Creating Myfirstawsapplication-env This will take a few minutes. ...'. Below this is a log of events with timestamps and details of resource creation. At the bottom right are three buttons: 'Cancel', 'Configure more options', and 'Create application'.

Create environment

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/launchEnvironment?applicationName=MyFirstAWSApplication&envir...

Search for services, features, marketplace products, and docs [Alt+S]

palak05 Mumbai Support

**Elastic Beanstalk**

Environments  
Applications  
Change history

▼ MyFirstAWSApplication  
Application versions  
Saved configurations

► Myfirstawsapplication-env

**Elastic Beanstalk > Environments > Myfirstawsapplication-env**

**Creating Myfirstawsapplication-env**  
This will take a few minutes. ...

11:36pm Created load balancer named:  
arn:aws:elasticloadbalancing:ap-south-1:268826896057:loadbalancer/app/awseb-AWSEB-1HBNMX90FIKHL/b2f0aadd685f289e

11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxnp-stack-AWSEBCloudwatchAlarmLow-3EEGIWV882R2

11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxnp-stack-AWSEBCloudwatchAlarmHigh-1XUC1ZJ99045N

11:36pm Created Auto Scaling group policy named:  
arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:ed4d192e-7ef8-4b71-ab37-1b22dfbeb7eb:autoScalingGroupName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingScaleDownPolicy-1B19FWJABOPG4

11:36pm Created Auto Scaling group policy named:  
arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:de93b425-757a-41a4-9157-e4fbb5fd61cb:autoScalingGroupName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingScaleUpPolicy-13P879SC06RC1

11:36pm Waiting for EC2 Instances to launch. This may take a few minutes.

11:36pm Created Auto Scaling group named:  
awseb-e-s2qaufxnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM

11:34pm Created security group named:  
awseb-e-s2qaufxnp-stack-AWSEBSecurityGroup-HVAQMU0ME1KZ

Cancel Configure more options Create application

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The screenshot displays the AWS Elastic Beanstalk console interface. The top navigation bar includes the AWS logo, a search bar, and user information (palak05, Mumbai). The left sidebar shows the 'Elastic Beanstalk' menu with options for Environments, Applications, and Change history. The main content area is titled 'Myfirstawsapplication-env' and shows a status message: 'Creating Myfirstawsapplication-env. This will take a few minutes.' Below this, a log of events is visible, detailing the successful deployment of the application, including instance creation, load balancer configuration, and auto scaling group setup.

**Creating Myfirstawsapplication-env**  
This will take a few minutes.

11:37pm Instance deployment completed successfully.  
11:37pm Instance deployment successfully built your application using commands in the 'Buildfile'.  
11:37pm Instance deployment successfully used commands in the 'Profile' to start your application.  
11:36pm Added instance [i-0418ed1542dd1623d] to your environment.  
11:36pm Created Load Balancer listener named:  
arn:aws:elasticloadbalancing:ap-south-1:268826896057:listener/app/awseb-AWSEB-1HBNMX90FIKHL/b2f0aadd685f289e/085875958905ef6d  
11:36pm Created load balancer named:  
arn:aws:elasticloadbalancing:ap-south-1:268826896057:loadbalancer/app/awseb-AWSEB-1HBNMX90FIKHL/b2f0aadd685f289e  
11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxnp-stack-AWSEBCloudwatchAlarmLow-3EEGIWVBB2R2  
11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxnp-stack-AWSEBCloudwatchAlarmHigh-1XUC1ZJ99045N  
11:36pm Created Auto Scaling group policy named:  
arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:ed4d192e-7ef8-4b71-ab37-1b22dfbeb7eb:autoScalingGroupName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingScaleDownPolicy-1B19FWJABOPG4  
11:36pm Created Auto Scaling group policy named:  
arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:ed4d192e-7ef8-4b71-ab37-1b22dfbeb7eb:autoScalingGroupName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qaufxnp-stack-AWSEBAutoScalingScaleUpPolicy-1B19FWJABOPG4

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The screenshot shows the AWS Elastic Beanstalk console. The left sidebar has a menu with 'Environments', 'Applications', and 'Change history'. Under 'Environments', there is a section for 'MyFirstAWSApplication' with sub-items 'Application versions' and 'Saved configurations'. Below that is 'Myfirstawsapplication-env'. The main content area shows the 'Creating Myfirstawsapplication-env' status, indicating it will take a few minutes. A log of events is displayed, showing the successful launch of the environment at 11:38pm, the application being available at 11:38pm, and the instance deployment completed successfully at 11:37pm. The log also lists the creation of a Load Balancer listener, a load balancer, two CloudWatch alarms, and an Auto Scaling group policy.

**Creating Myfirstawsapplication-env**  
This will take a few minutes. ...

11:38pm Successfully launched environment: Myfirstawsapplication-env  
11:38pm Application available at Myfirstawsapplication-env.eba-muvnuj7p.ap-south-1.elasticbeanstalk.com.  
11:37pm Instance deployment completed successfully.  
11:37pm Instance deployment successfully built your application using commands in the 'Buildfile'.  
11:37pm Instance deployment successfully used commands in the 'Procfile' to start your application.  
11:36pm Added instance [i-0418ed1542dd1623d] to your environment.  
11:36pm Created Load Balancer listener named:  
arn:aws:elasticloadbalancing:ap-south-1:268826896057:listener/app/awseb-AWSEB-1HBNMX90FIKHL/b2f0aadd685f289e/085875958905efdc  
11:36pm Created load balancer named:  
arn:aws:elasticloadbalancing:ap-south-1:268826896057:loadbalancer/app/awseb-AWSEB-1HBNMX90FIKHL/b2f0aadd685f289e  
11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxfrp-stack-AWSEBCloudwatchAlarmLow-3EEGIWV882R2  
11:36pm Created CloudWatch alarm named:  
awseb-e-s2qaufxfrp-stack-AWSEBCloudwatchAlarmHigh-1XUC1ZJ99045N  
11:36pm Created Auto Scaling group policy named:  
arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:ed4d192e-7ef8-4b71-ab37-1b22dfbeb7eb:autoScalingGroupName/awseb-e-s2qaufxfrp-stack-

The screenshot shows the AWS Elastic Beanstalk console, specifically the 'Application versions' page for 'MyFirstAWSApplication'. The left sidebar is the same as the previous screenshot. The main content area has a header 'Application versions' with buttons for 'Actions', 'Settings', 'Upload', and 'Refresh'. Below this is a table with columns: 'Version label', 'Description', 'Date created', 'Source', and 'Deployed to'. There is one entry in the table: 'Sample Application' with a date of '2021-08-04T23:34:13+05:30', source 'Sample Application', and deployed to 'Myfirstawsapplication-env'.

**Application versions** Actions Settings Upload Refresh

<input checked="" type="checkbox"/>	Version label	Description	Date created	Source	Deployed to
<input checked="" type="checkbox"/>	Sample Application		2021-08-04T23:34:13+05:30	Sample Application	Myfirstawsapplication-env

## Environments

The screenshot displays the AWS Elastic Beanstalk console for an environment named 'Myfirstawsapplication-env'. The left sidebar shows the navigation menu with options like Environments, Applications, and Change history. The main content area shows the environment's health status as 'Ok' with a green checkmark icon. Below the health status, there are sections for 'Running version' (Sample Application) and 'Platform' (Corretto 11 running on 64bit Amazon Linux 2/3.2.4). A 'Recent events' section at the bottom shows a log entry for the environment health transitioning from Pending to Ok.

**Myfirstawsapplication-env**  
Myfirstawsapplication-env.eba-muvmu7p.ap-south-1.elasticbeanstalk.com [e-s2qaufxfrp]  
Application name: MyFirstAWSApplication

**Health**  
Ok  
Causes

**Running version**  
Sample Application  
Upload and deploy

**Platform**  
Corretto 11 running on 64bit Amazon Linux 2/3.2.4  
Change

**Recent events**  
Show all  
< 1 >

Time	Type	Details
2021-08-04 23:38:37 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 16 seconds ago and took 3 minutes

## Events

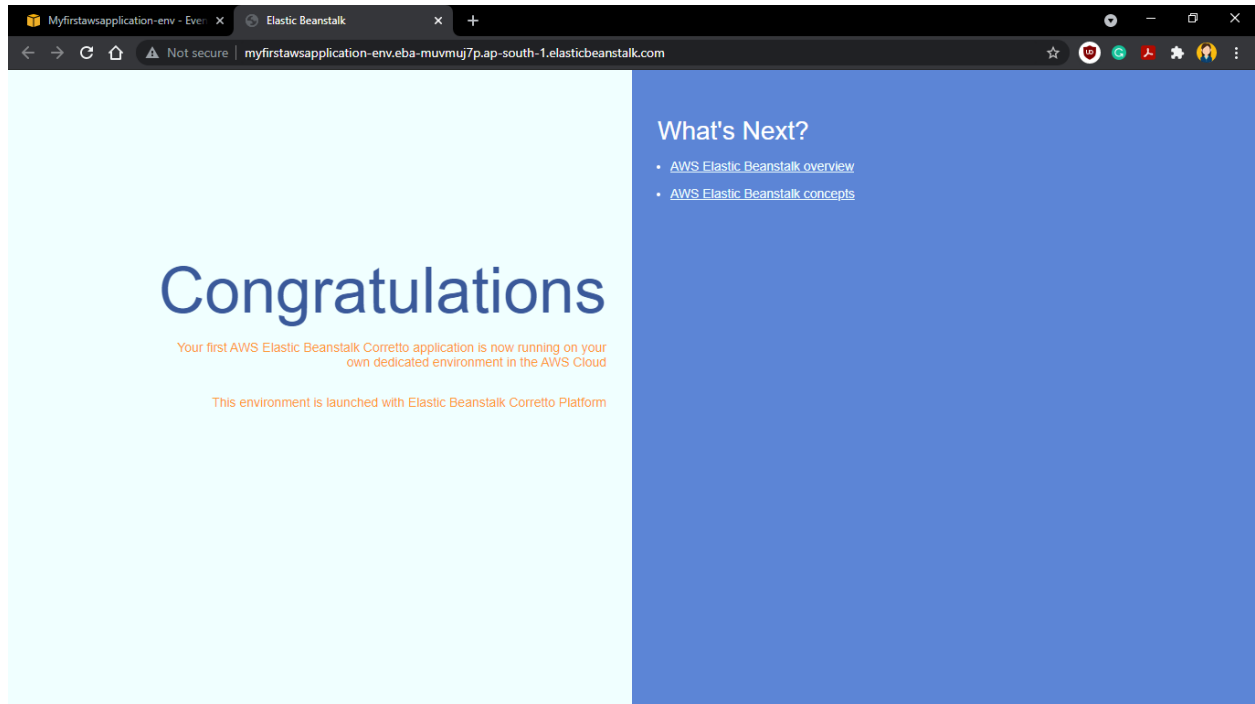
The screenshot shows the AWS Elastic Beanstalk console for environment 'Myfirstawsapplication-env'. The 'Events' tab is selected, displaying a list of events with columns for Time, Type, and Details. The events show the progression from environment creation to instance deployment and load balancer setup.

Time	Type	Details
2021-08-04 23:38:37 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 16 seconds ago and took 3 minutes.
2021-08-04 23:38:19 UTC+0530	INFO	Successfully launched environment: Myfirstawsapplication-env
2021-08-04 23:38:19 UTC+0530	INFO	Application available at Myfirstawsapplication-env.eba-muvmu7p.ap-south-1.elasticbeanstalk.com.
2021-08-04 23:37:49 UTC+0530	INFO	Instance deployment completed successfully.
2021-08-04 23:37:46 UTC+0530	INFO	Instance deployment successfully used commands in the 'Procfile' to start your application.
2021-08-04 23:37:46 UTC+0530	INFO	Instance deployment successfully built your application using commands in the 'Buildfile'.
2021-08-04 23:36:37 UTC+0530	INFO	Added instance [i-0418ed1542dd1623d] to your environment.
2021-08-04 23:36:13 UTC+0530	INFO	Created Load Balancer listener named: arn:aws:elasticloadbalancing:ap-south-1:268826896057:listener/app/awseb-AWSEB-1UJNMV90C1ULU/8-2f0-3dd685f280e/09587595905ef4f6

This screenshot continues the list of events from the previous one, showing further configuration steps like creating Auto Scaling groups, security groups, and target groups, as well as the final health check.

UTC+0530	INFO	AWSEBCloudwatchAlarmHigh-1XUC1ZJ99045N
2021-08-04 23:36:11 UTC+0530	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:ed4d192e-7ef8-4b71-ab37-1b22dfbeb7eb:autoScalingGroupName/awseb-e-s2qauxfnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qauxfnp-stack-AWSEBAutoScalingScaleDownPolicy-1B19FWJABOPG4
2021-08-04 23:36:11 UTC+0530	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:ap-south-1:268826896057:scalingPolicy:de93b425-757a-41a4-9157-e4fbb5fd61cb:autoScalingGroupName/awseb-e-s2qauxfnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM:policyName/awseb-e-s2qauxfnp-stack-AWSEBAutoScalingScaleUpPolicy-13P879SC06RC1
2021-08-04 23:36:11 UTC+0530	INFO	Waiting for EC2 instances to launch. This may take a few minutes.
2021-08-04 23:36:11 UTC+0530	INFO	Created Auto Scaling group named: awseb-e-s2qauxfnp-stack-AWSEBAutoScalingGroup-IVRK6IC9WEXM
2021-08-04 23:34:55 UTC+0530	INFO	Created security group named: awseb-e-s2qauxfnp-stack-AWSEBSecurityGroup-HVAQMU0ME1KZ
2021-08-04 23:34:39 UTC+0530	INFO	Created security group named: sg-089a89e18a620c1a4
2021-08-04 23:34:39 UTC+0530	INFO	Created target group named: arn:aws:elasticloadbalancing:ap-south-1:268826896057:targetgroup/awseb-AWSEB-5NLK01TXON67/7650705768e7c090
2021-08-04 23:34:37 UTC+0530	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 7 seconds). There are no instances.
2021-08-04 23:34:14 UTC+0530	INFO	Using elasticbeanstalk-ap-south-1-268826896057 as Amazon S3 storage bucket for environment data.

## Launched Application



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**THANK YOU!!**