

## Assignment 5: ElasticBeanStalk

Create ElasticBeanStalk application using Java and edit the Auto Scaling desired capacity as 4 and Min instances as 4 Max as 6.

The screenshot shows the AWS Elastic Beanstalk console with the 'Sampleapp-env' environment being created. The left sidebar shows the 'Elastic Beanstalk' menu with 'Environments' selected. The main content area displays a progress screen for 'Creating Sampleapp-env' with the following log entries:

- 10:36am Created Auto Scaling launch configuration named: awseb-e-htmpcne35-stack-AWSEBAutoScalingLaunchConfiguration-1LLWIKXOYYWZK
- 10:36am Created security group named: awseb-e-htmpcne35-stack-AWSEBSecurityGroup-00HHSSXEOKQR
- 10:36am Created security group named: sg-00006a3f43bf6872d
- 10:36am Created target group named: arn:aws:elasticloadbalancing:ap-southeast-1:452810036291:targetgroup/awseb-AWSEB-TZIQIQT1WBXE/05ece5ac56dad69e
- 10:35am Using elasticbeanstalk-ap-southeast-1-452810036291 as Amazon S3 storage bucket for environment data.
- 10:35am createEnvironment is starting.

The screenshot shows the 'All environments' page in the AWS Elastic Beanstalk console. The left sidebar shows the 'Elastic Beanstalk' menu with 'Environments' selected. The main content area displays a table of environments:

Environment name	Health	Application name	Date created	Last modified	URL	Run ver
Sampleapp-env	Green	SampleApp	2021-05-31 10:35:37 UTC+0800	2021-05-31 10:38:55 UTC+0800	Sampleapp-env.eba-pntwjhzi.ap-southeast-1.elasticbeanstalk.com	Sam App

The screenshot shows the 'All applications' page in the AWS Elastic Beanstalk console. The left sidebar shows the 'Elastic Beanstalk' menu with 'Applications' selected. The main content area displays a table of applications:

Application name	Environments	Date created	Last modified	ARN
SampleApp	Sampleapp-env	2021-05-31 10:35:29 UTC+0800	2021-05-31 10:35:29 UTC+0800	arn:aws:elasticbeanstalk:ap-southeast-1:452810036291:application/SampleApp

## EC2 instance created

The screenshot displays the AWS Management Console interface for EC2 instances. The left sidebar shows navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', and 'Instances'. The main content area is titled 'Instances (1/1)' and shows a table with one instance: 'Sampleapp-env' with ID 'i-00a9a64251be62be3', state 'Running', type 't2.micro', and '2/2 checks passed'. Below the table, the 'Instance: i-00a9a64251be62be3 (Sampleapp-env)' details are shown, including the 'Instance summary' with fields for Instance ID, Public IPv4 address (13.12.201.80), and Private IPv4 addresses (172.31.19.128).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability zone
Sampleapp-env	i-00a9a64251be62be3	Running	t2.micro	2/2 checks passed	No alarms	ap-southeast-1

**Instance: i-00a9a64251be62be3 (Sampleapp-env)**

**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-00a9a64251be62be3 (Sampleapp-env)	13.12.201.80   <a href="#">open address</a>	172.31.19.128

## Autoscaling created

The screenshot displays the AWS Management Console interface for Auto Scaling groups. The left sidebar shows navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', and 'INSTANCES'. The main content area is titled 'Auto Scaling groups (1/1)' and shows a table with one group: 'awseb-e-htmpfcne' with launch template 'awseb-e-htmpfcne35-stack-AWSEB...', 1 instance, and a desired capacity of 1. Below the table, the 'Group details' are shown, including the 'Desired capacity' (1) and the 'Auto Scaling group name' (awseb-e-htmpfcne35-stack-AWSEBAutoScalingGroup-).

Name	Launch template/configuration	Instances	Status	Desired capacity
awseb-e-htmpfcne	awseb-e-htmpfcne35-stack-AWSEB...	1	-	1

**Group details**

Desired capacity	Auto Scaling group name
1	awseb-e-htmpfcne35-stack-AWSEBAutoScalingGroup-

Services

Search for services, features, marketplace products, and docs

[Alt+S]

rajeev

Singapore

Support

Elastic Beanstalk

Environments

Applications

Change history

▼ SampleApp

Application versions

Saved configurations

▼ Sampleapp-env

Go to environment

Configuration

Logs

Health

Monitoring

Elastic Beanstalk > Environments > Sampleapp-env

Sampleapp-env

Sampleapp-env.eba-pntwjhzi.ap-southeast-1.elasticbeanstalk.com (e-httpfcne35)

Application name: SampleApp

Refresh

Actions

Health

Green

Causes

Running version

Sample Application

Upload and deploy

Platform

Java 8 running on 64bit Amazon Linux/2.11.8

Change

Recent events

Show all

< 1 >

← → ↻ ⚠ Not secure | sampleapp-env.eba-pntwjhzi.ap-southeast-1.elasticbeanstalk.com ☆ ⚙ 🌐

Congratulations

Your first AWS Elastic Beanstalk Java application is now running on your own dedicated environment in the AWS Cloud

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [AWS Elastic Beanstalk concepts](#)
- [Using the AWS Elastic Beanstalk Java SE Platform](#)
- [Working with Logs](#)

AWS X-Ray

AWS X-Ray helps developers analyze and debug distributed applications. With X-Ray, you can understand how your application and its underlying services are performing to identify and troubleshoot the root cause of performance issues and errors.

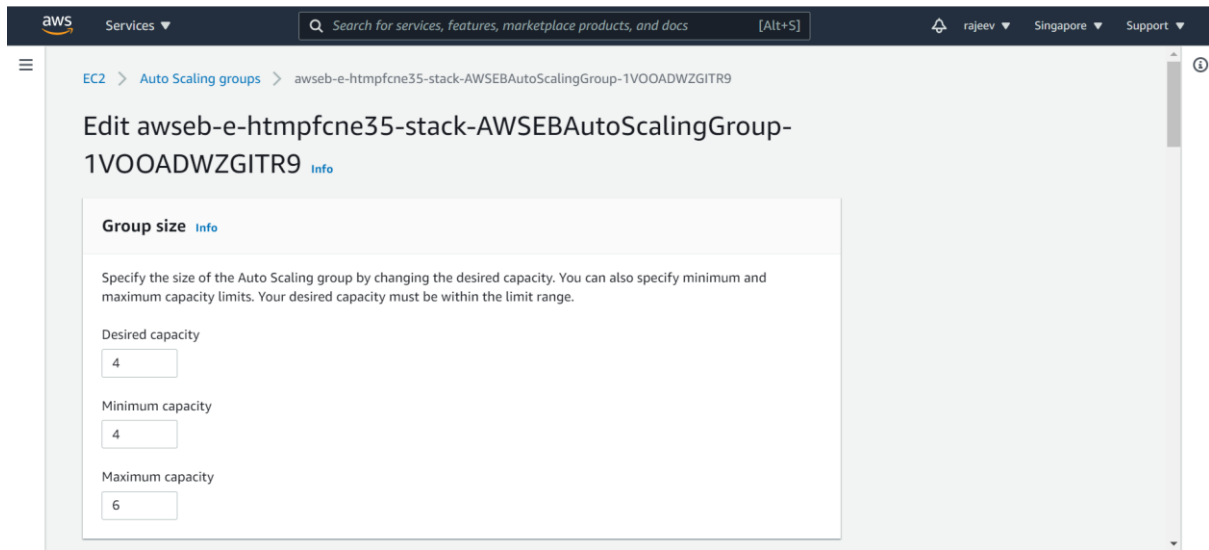
[Learn More](#)

Choose **Generate sample traffic** to create data that you can view in the X-Ray console.

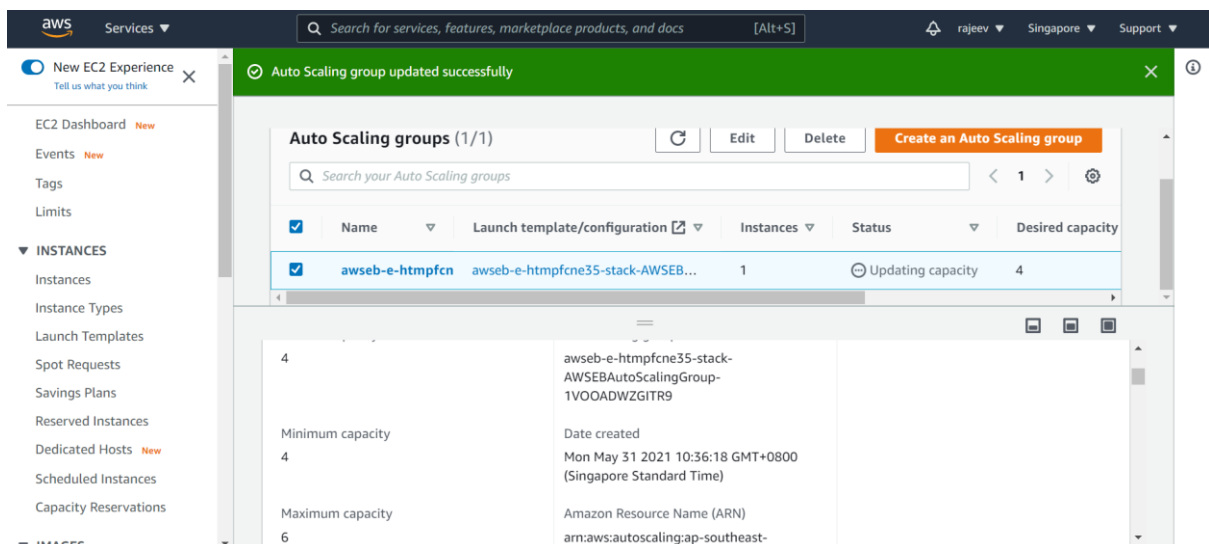
Generate Sample Traffic

[Open the AWS X-Ray Console](#)

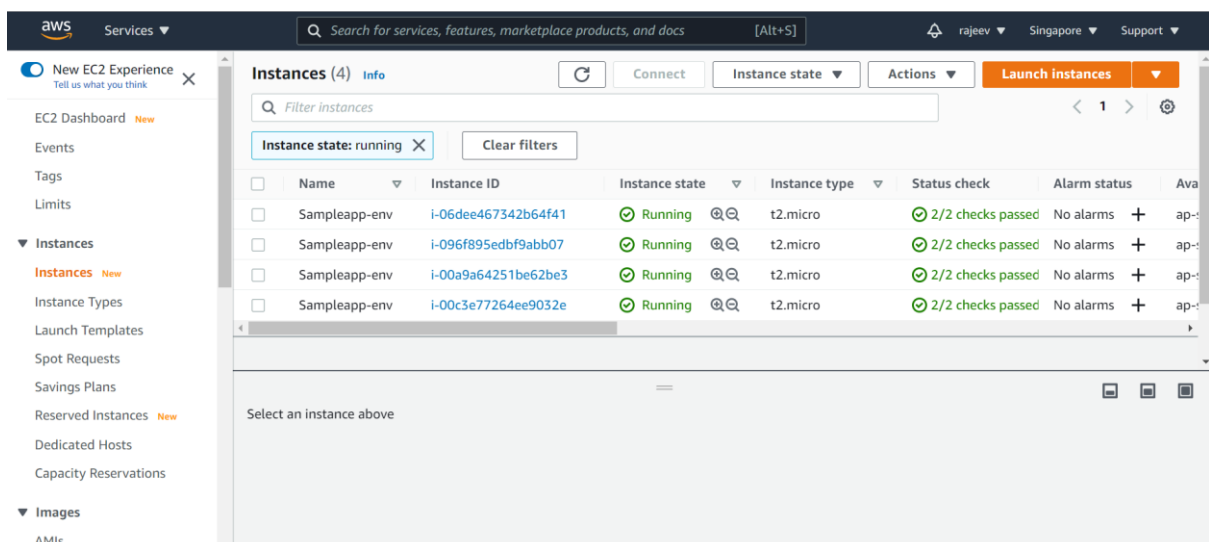
editing the Auto Scaling desired capacity to 4 and Min instances to 4 Max to 6.



The screenshot shows the AWS Management Console interface for editing an Auto Scaling group. The breadcrumb trail indicates the path: EC2 > Auto Scaling groups > awseb-e-htmpfcne35-stack-AWSEBAutoScalingGroup-1VOOADWZGTR9. The main heading is 'Edit awseb-e-htmpfcne35-stack-AWSEBAutoScalingGroup-1VOOADWZGTR9'. Below this, the 'Group size' section is expanded, showing instructions to specify the size of the Auto Scaling group by changing the desired capacity, minimum, and maximum capacity limits. The input fields are: Desired capacity (4), Minimum capacity (4), and Maximum capacity (6).



The screenshot shows the AWS Management Console interface for the 'Auto Scaling groups' page. A green notification banner at the top states 'Auto Scaling group updated successfully'. The page title is 'Auto Scaling groups (1/1)'. Below the title, there is a search bar and a table of Auto Scaling groups. The table has columns: Name, Launch template/configuration, Instances, Status, and Desired capacity. The table shows one group: 'awseb-e-htmpfcne35-stack-AWSEBAutoScalingGroup-1VOOADWZGTR9' with 1 instance and a status of 'Updating capacity'. Below the table, there is a detailed view of the group's configuration, including 'Minimum capacity' (4), 'Maximum capacity' (6), 'Date created' (Mon May 31 2021 10:36:18 GMT+0800 (Singapore Standard Time)), and 'Amazon Resource Name (ARN)' (arn:aws:autoscaling:ap-southeast-1:111111111111:auto-scaling-group:auto-scaling-group-1VOOADWZGTR9).



The screenshot shows the AWS Management Console interface for the 'Instances' page. The page title is 'Instances (4)'. Below the title, there is a search bar and a table of instances. The table has columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability zone. The table shows four instances, all in the 'Running' state and of type 't2.micro'. Below the table, there is a section for 'Select an instance above'.