

# AWS Cloud Computing Zero to Hero

## Assignment 2

- Working With EC2

The screenshot shows the AWS Management Console interface. On the left is a navigation menu with options like 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Images', and 'Elastic Block Store'. The main panel displays 'Instances (1)' with a table containing one instance: 'i-Offda05d56fd10aa9'. The instance is in the 'Running' state, using the 't2.micro' instance type, and is located in the 'ap-south-1a' availability zone. The bottom of the console shows a footer with copyright information and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
-	i-Offda05d56fd10aa9	Running	t2.micro	Initializing	No alarms	ap-south-1a	ec2-13-235-31-70.a

- Create an ec2 instance and display instance details

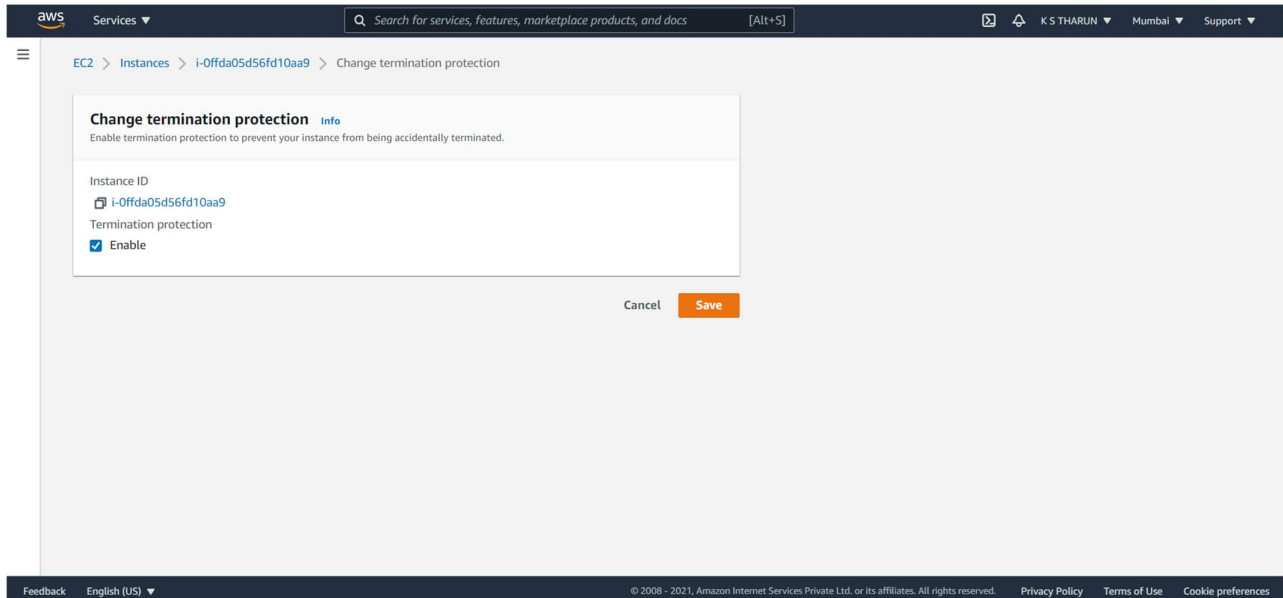
This screenshot shows the detailed view of the EC2 instance 'i-Offda05d56fd10aa9'. The page title is 'Instance summary for i-Offda05d56fd10aa9'. The instance is in the 'Running' state. The summary is organized into three columns: Instance ID, Public IPv4 address (13.235.31.70), and Private IPv4 addresses (172.31.34.140). Other details include the instance type 't2.micro', VPC ID 'vpc-e4bb6e8f', and Subnet ID 'subnet-ad59aac6'. The bottom of the console shows a footer with copyright information and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

Instance ID	Public IPv4 address	Private IPv4 addresses
i-Offda05d56fd10aa9	13.235.31.70   open address	172.31.34.140

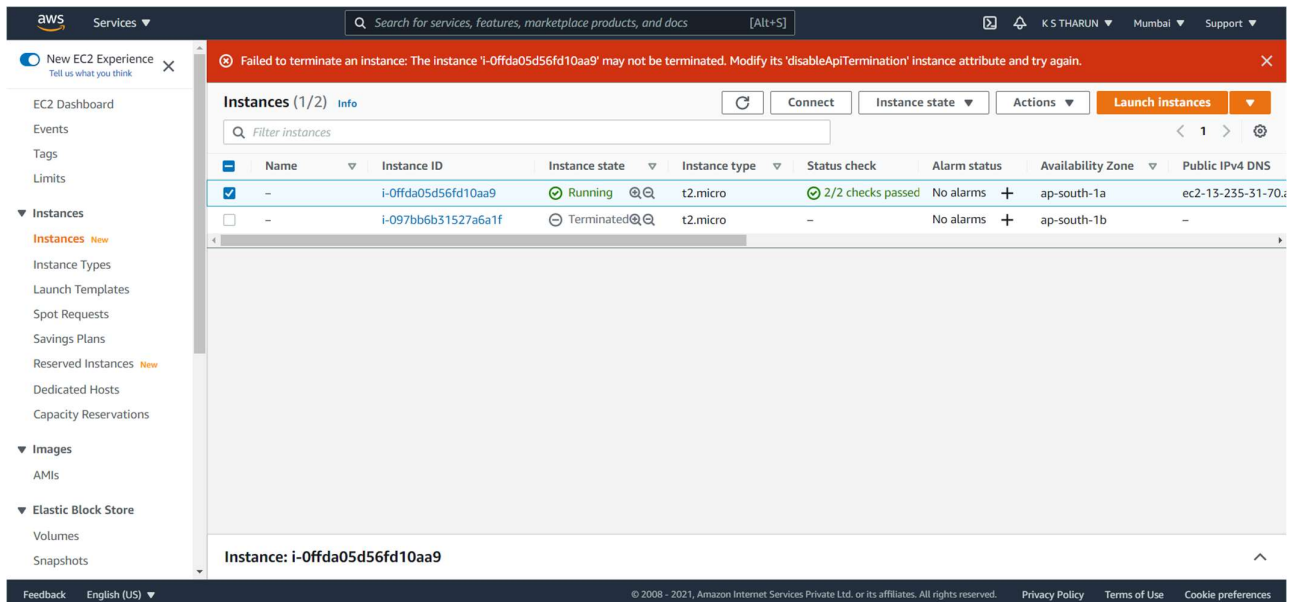
Instance state	Public IPv4 DNS	Elastic IP addresses
Running	ec2-13-235-31-70.ap-south-1.compute.amazonaws.com   open address	-

Instance type	AWS Compute Optimizer finding	IAM Role
t2.micro	Opt-in to AWS Compute Optimizer for recommendations.   Learn more	-

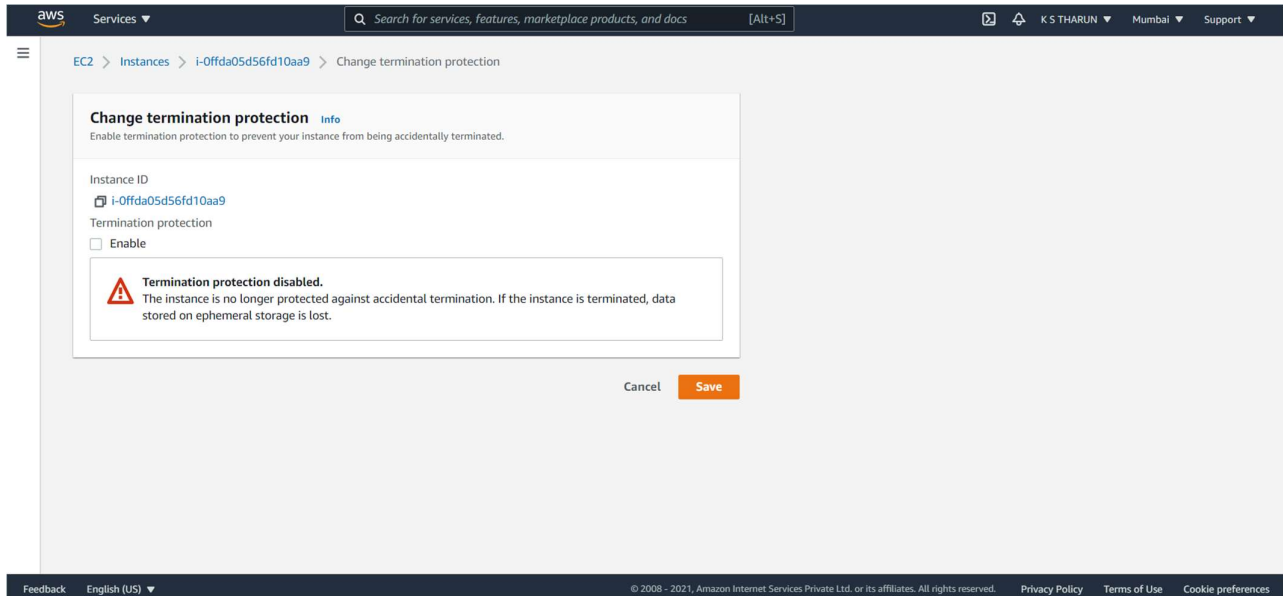
- Enable termination protection
  - Enabling termination protection



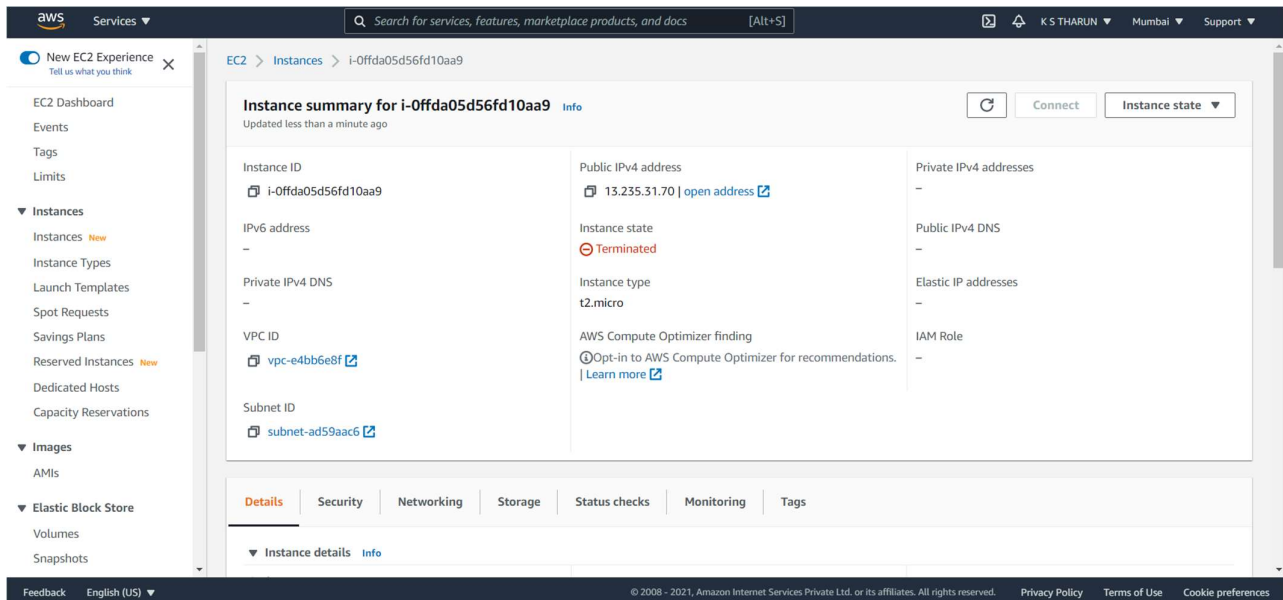
- Instance failed to terminate as we enabled the termination protection



- Terminate you instance after disabling termination protection
  - Disabling termination protection



- Instance terminated after we disabled the termination protection



## Assignment 3

- Deploying a sample application elastic beanstalk
  - Application Name

### Create a web app

Create a new application and environment with a sample application or your own code. By creating an environment, you allow Amazon Elastic Beanstalk to manage Amazon Web Services resources and permissions on your behalf. [Learn more](#)

#### Application information

Application name

Age Calculator

Up to 100 Unicode characters, not including forward slash (/).

- Platform used in Application

#### Platform

Platform

Python

Platform branch

Python 3.8 running on 64bit Amazon Linux 2

Platform version

3.3.4 (Recommended)

- Code type in Application

#### 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.

#### Source code origin

Version label

Unique name for this version of your application code.


age-calculator-source

Source code origin


Maximum size 512 MB

☒ Local file

☐ Public S3 URL

 Choose file

File name : **age.py**

 File successfully uploaded

- Events

Events			
Severity	TRACE ▾		< 1 >
Time	Type	Details	
2021-08-05 18:45:24 UTC+0530	ERROR	Create environment operation is complete, but with errors. For more information, see troubleshooting documentation.	
2021-08-05 18:44:42 UTC+0530	INFO	Added instance [i-04f81550a322a55fa] to your environment.	
2021-08-05 18:44:21 UTC+0530	INFO	Command execution completed on all instances. Summary: [Successful: 0, Failed: 1].	
2021-08-05 18:44:21 UTC+0530	ERROR	[Instance: i-04f81550a322a55fa] Command failed on instance. Return code: 1 Output: Engine execution has encountered an error..	
2021-08-05 18:44:19 UTC+0530	ERROR	Instance deployment failed. For details, see 'eb-engine.log'.	
2021-08-05 18:44:19 UTC+0530	ERROR	Instance deployment: Your source bundle has issues that caused the deployment to fail. For details, see 'eb-engine.log'.	
2021-08-05 18:44:14 UTC+0530	INFO	Waiting for EC2 instances to launch. This may take a few minutes.	
2021-08-05 18:42:54 UTC+0530	INFO	Created EIP: 13.126.21.149	
2021-08-05 18:42:42 UTC+0530	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 4 seconds). There are no instances.	
2021-08-05 18:42:38 UTC+0530	INFO	Created security group named: awseb-e-wgd22pp7qn-stack-AWSEBSecurityGroup-JPTK9YGAQG27	
2021-08-05 18:42:20 UTC+0530	INFO	Using elasticbeanstalk-ap-south-1-122235845734 as Amazon S3 storage bucket for environment data.	
2021-08-05 18:42:19 UTC+0530	INFO	createEnvironment is starting.	

## • Environments

Services ▾

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

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Mumbai ▾
Support ▾

Elastic Beanstalk

Environments

Applications

Change history

▼ Age Calculator

Application versions

Saved configurations

▼ Agecalculator-env-1

Go to environment

Configuration

Logs

Health

Monitoring

Alarms

Managed updates

Events

Tags

Elastic Beanstalk > Environments > Agecalculator-env-1

Agecalculator-env-1

Agecalculator-env-1.eba-8v4pvwht.ap-south-1.elasticbeanstalk.com (e-wgd22pp7qn)

Application name: Age Calculator

Refresh

Actions ▾

Health

Pending

Causes

Running version

age calculator-source

Upload and deploy

Platform

Python 3.8 running on 64bit Amazon Linux 2/3.3.4

Change

Recent events

Show all

< 1 >

Time	Type	Details
2021-08-05 18:45:24 UTC+0530	ERROR	Create environment operation is complete, but with errors. For more information, see troubleshooting documentation.