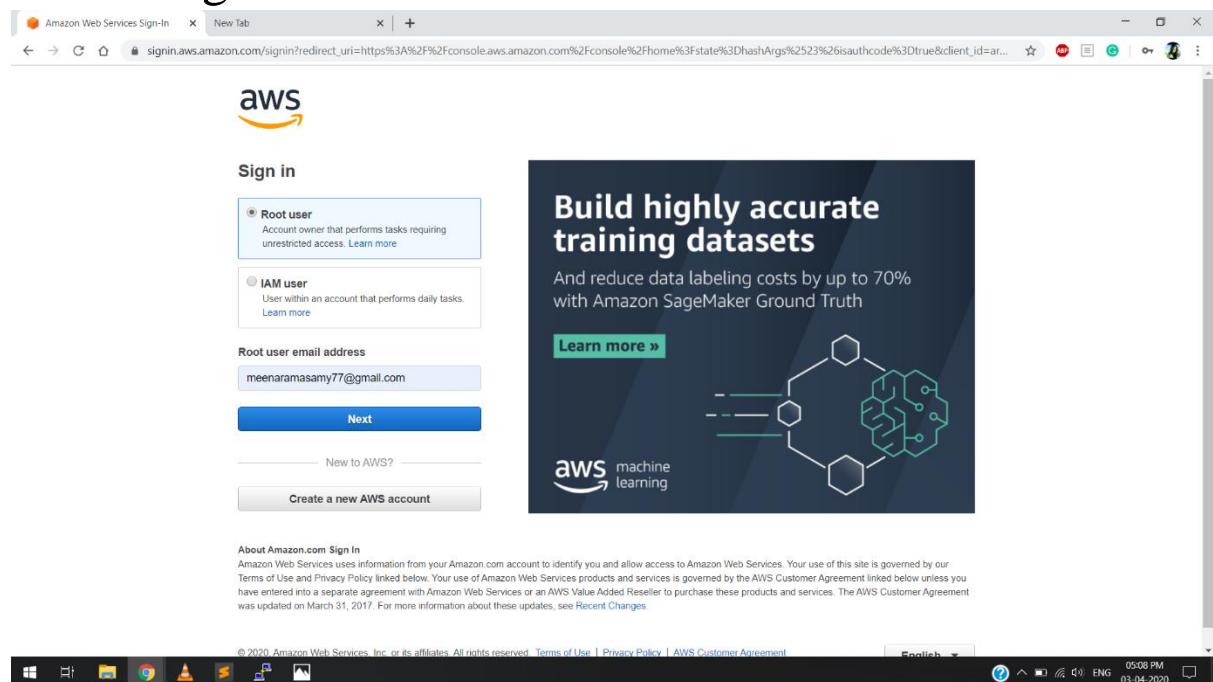


MEENA.R
BE ECE III-YEAR
JEPPIAAR ENGINEERING
COLLEGE
CHENNAI
REG NO: 310817106050

Screenshots needed for Dashboards

AWS Login screen with username



EC2 Dashboard

The screenshot shows the AWS EC2 Management Console dashboard. The left sidebar includes sections for EC2 Dashboard, Events, Tags, Reports, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, Bundle Tasks, and Elastic Block Store Volumes. The main content area displays a summary of resources in the US East (Ohio) Region, showing 1 Running instance, 0 Dedicated Hosts, 1 Volume, 3 Key pairs, and 0 Placement groups. It also shows 0 Elastic IPs, 0 Snapshots, 0 Load balancers, and 7 Security groups. A blue banner at the top says "Welcome to the new EC2 console! We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle." On the right, there are sections for Account attributes (Supported platforms: VPC), Explore AWS (Optimize your EC2 cost and performance with Spot Instances), and a navigation bar with Feedback, English (US), Privacy Policy, Terms of Use, and system status.

S3 Dashboard

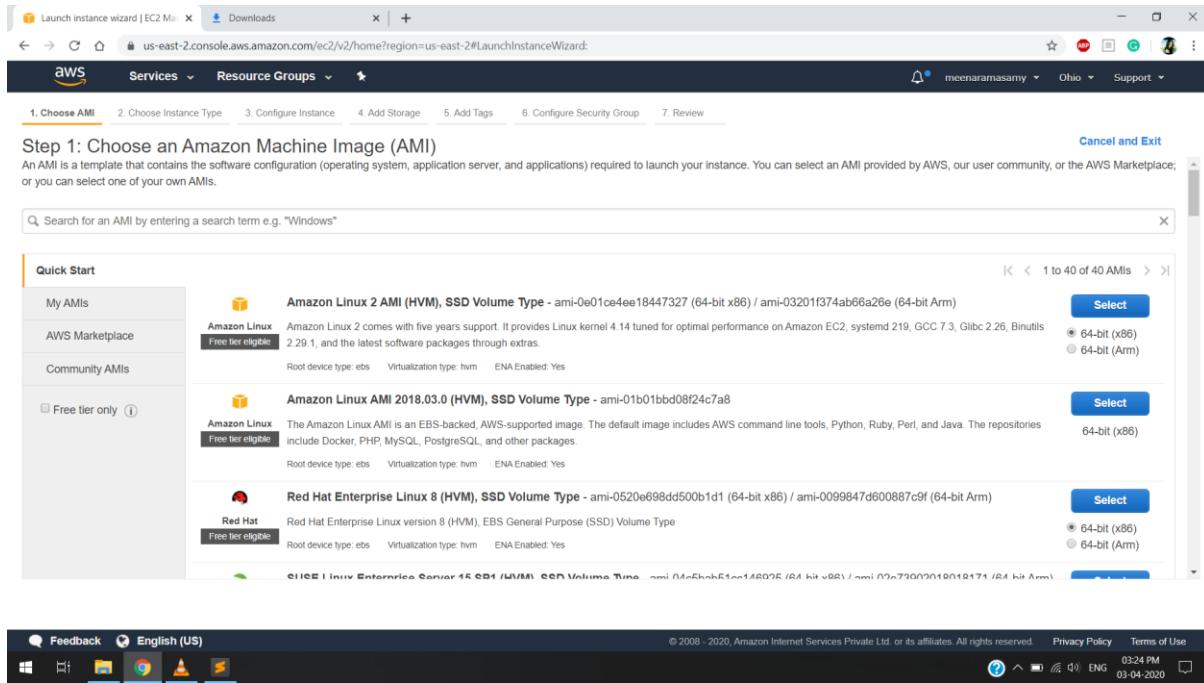
The screenshot shows the AWS S3 Management Console dashboard. The left sidebar includes sections for Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and a Feature spotlight. A blue banner at the top says "We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates." The main content area displays the Amazon S3 interface with a table titled "Buckets (1)". The table has columns for Name, Region, Access, and Bucket created. One bucket named "aws-meena" is listed, located in the US East (Ohio) region, with "Objects can be public" access and created on 2020-03-30T13:45:53.000Z. A navigation bar at the bottom includes Feedback, English (US), Privacy Policy, Terms of Use, and system status.

Rekognition Dashboard

The screenshot shows the Amazon Rekognition console dashboard. The left sidebar contains a navigation menu with sections like 'Custom Labels', 'Demos', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Metrics', and 'Additional Resources'. The main content area features a large banner for 'Amazon Rekognition' with the subtext 'Deep learning-based visual analysis service' and 'Search, verify, and organize millions of images and videos'. Below the banner are three sections: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. The bottom of the page includes standard footer links for 'Feedback', 'English (US)', 'Privacy Policy', and 'Terms of Use', along with copyright information and system status indicators.

Screenshots needed for EC2

Choosing an AMI



Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

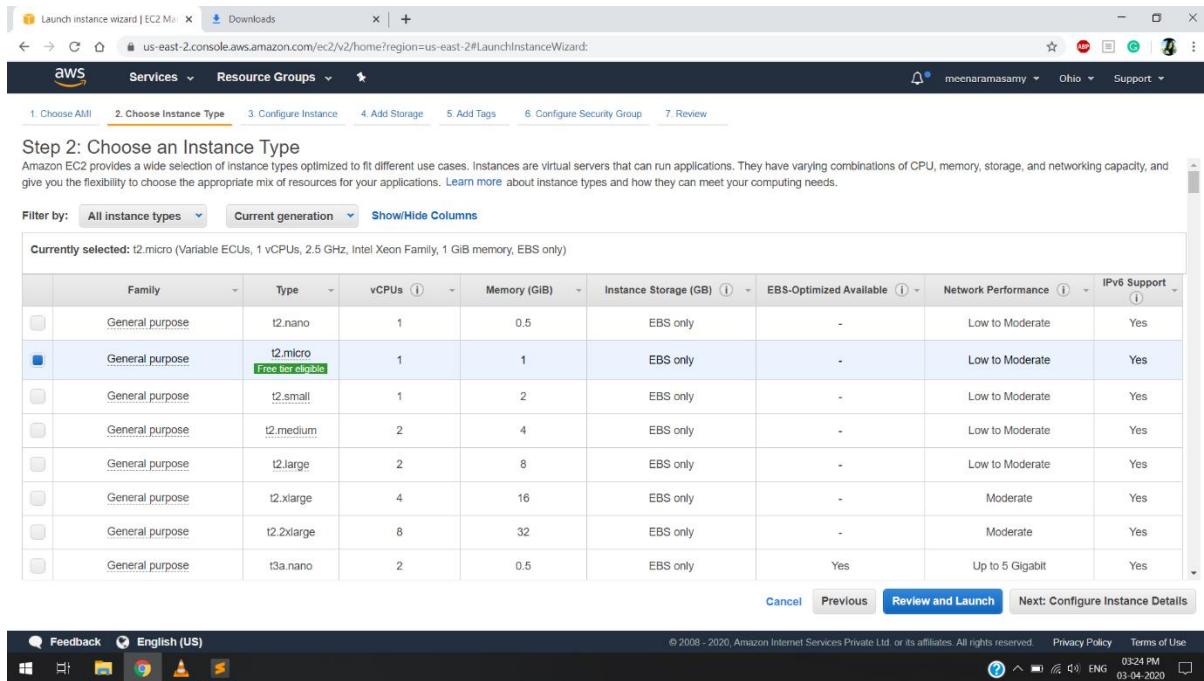
Search for an AMI by entering a search term e.g. "Windows"

Quick Start

My AMIs	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f37ab66a26e (64-bit Arm)	Select
AWS Marketplace	Amazon Linux 2.29.1, and the latest software packages through extras	<input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
Community AMIs	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes	
Free tier only	Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8	Select
	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.	<input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes	
	Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)	Select
	Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type	<input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes	
	Other Linux Enterprise Server 15.04 (HVM), SSD Volume Type - ami-0de5b81e1e14802e (64-bit x86) / ami-02a7200031019171 (64-bit Arm)	

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Choosing an Instance Type



Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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Adding Storage

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0f54692056aaa4c20	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.

Cancel Previous Review and Launch Next: Add Tags

Configuring Security Group

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.

Assign a security group:

- Create a new security group
- Select an existing security group

Security group name:

Description:

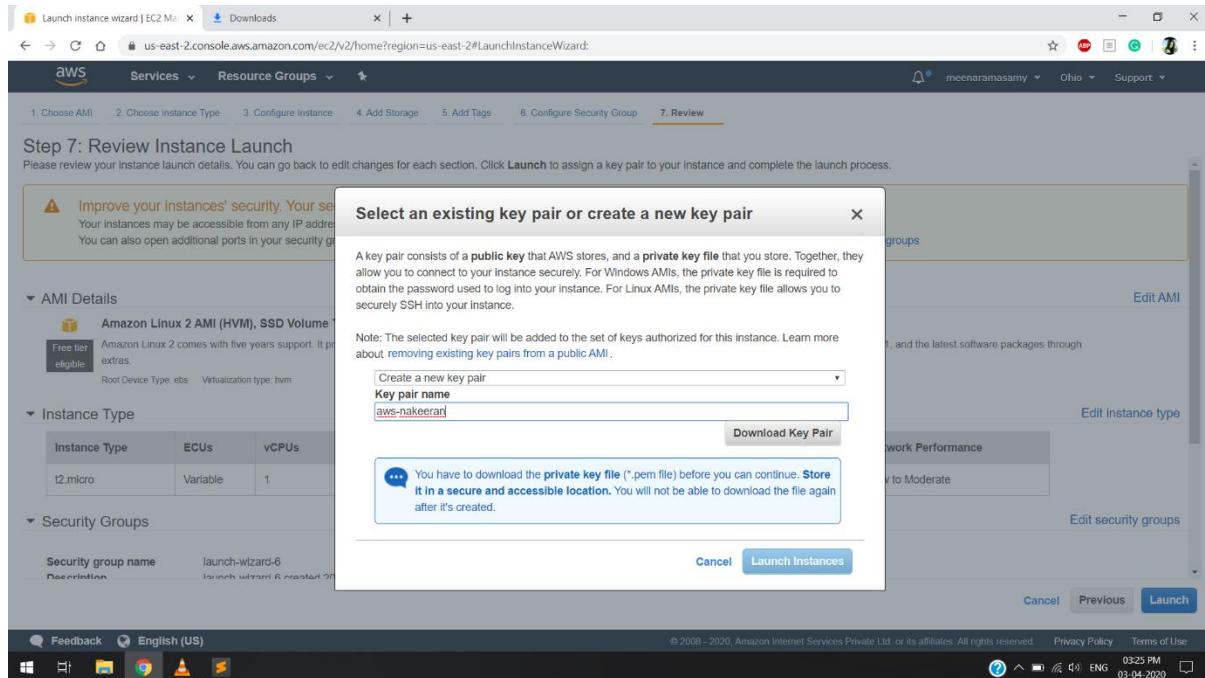
Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

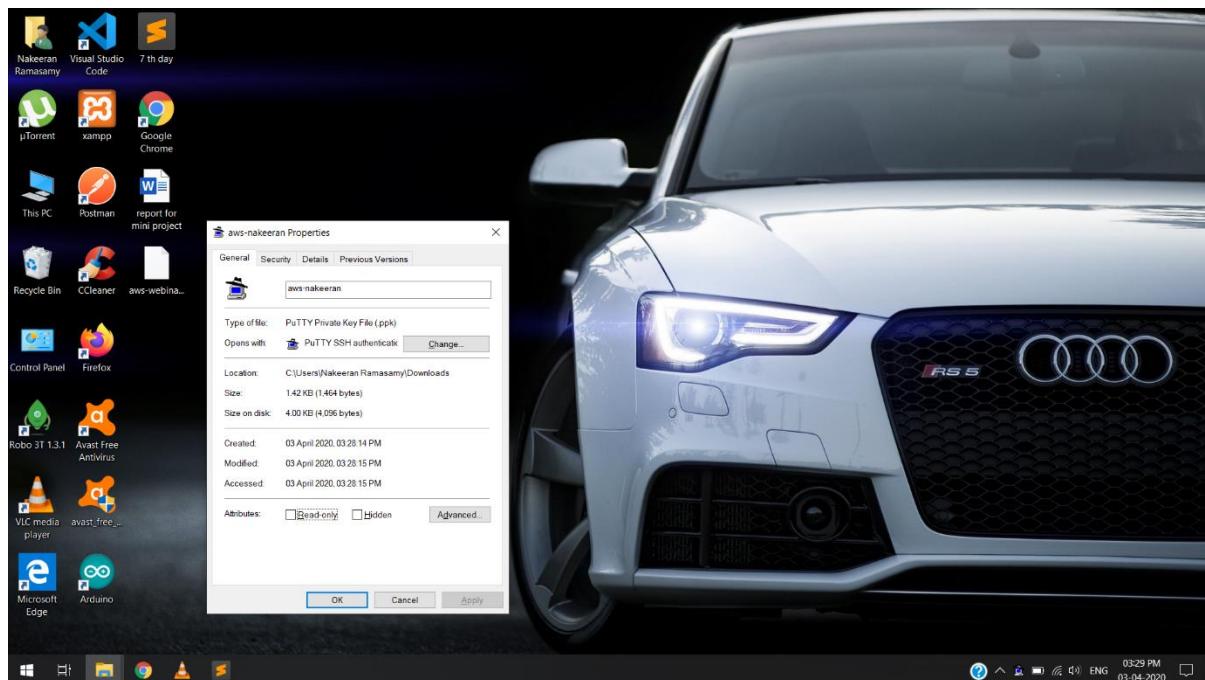
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous Review and Launch

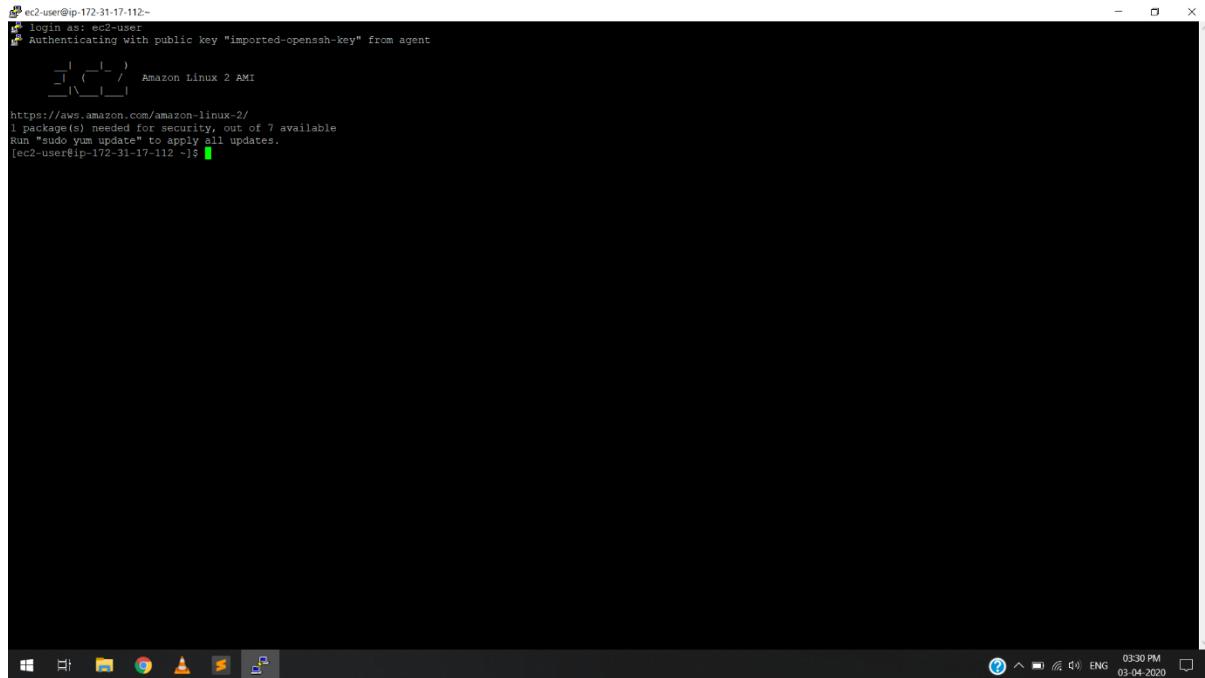
Key Pair Download



PuTTYgen conversion from pem to ppk



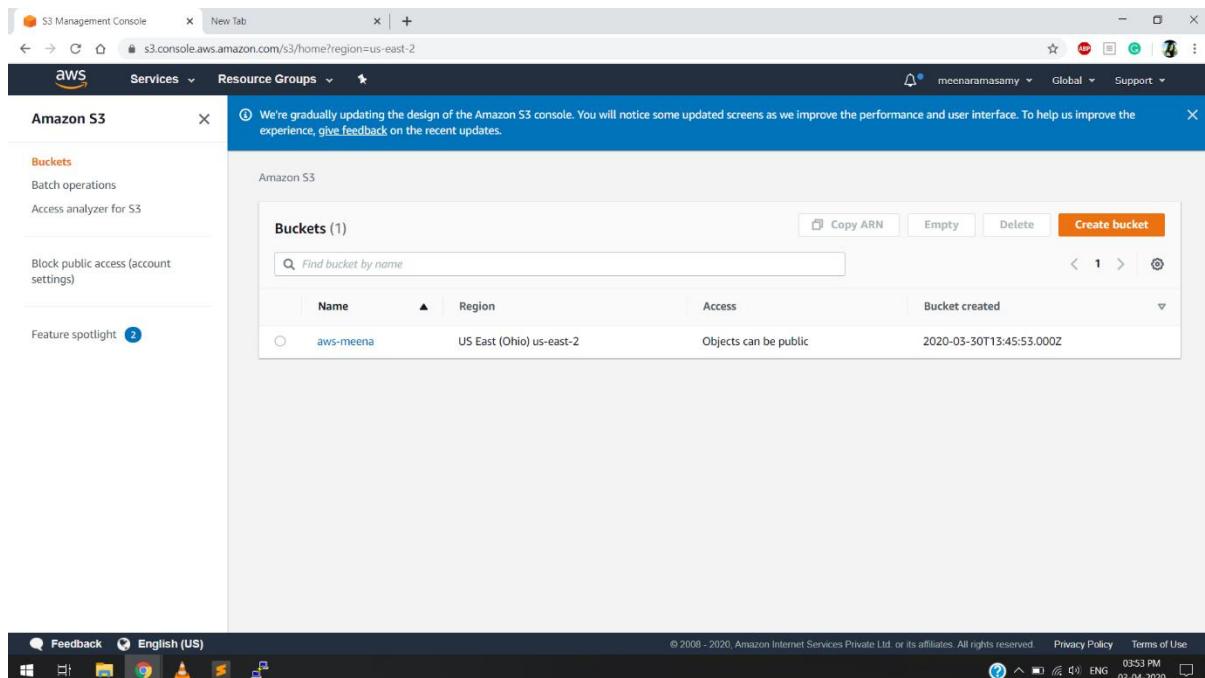
Logged in EC2 black screen



```
ec2-user@ip-172-31-17-112:~$  
login as: ec2-user  
Authenticating with public key "imported-openssh-key" from agent  
[ec2-user@ip-172-31-17-112 ~]$  
  
https://aws.amazon.com/amazon-linux-2/  
1 package(s) needed for security, out of 7 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-17-112 ~]$
```

Screenshots needed for S3

Creating a bucket



Buckets (1)

Name	Region	Access	Bucket created
aws-meena	US East (Ohio) us-east-2	Objects can be public	2020-03-30T13:45:53.000Z

The screenshot shows the AWS S3 Management Console. A green success message at the top states: "Successfully created bucket aws-nakeeran. To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details." Below this, the "Buckets" section displays two buckets: "aws-meena" and "aws-nakeeran".

Name	Region	Access	Bucket created
aws-meena	US East (Ohio) us-east-2	Objects can be public	2020-03-30T13:45:53.000Z
aws-nakeeran	US East (Ohio) us-east-2	Objects can be public	2020-04-03T11:24:54.000Z

Uploading an Object

The screenshot shows the AWS S3 bucket "aws-nakeeran" page. It displays a single object named "index.html".

Name	Last modified	Size	Storage class
index.html	Apr 3, 2020 4:56:44 PM GMT+0530	63.0 B	Standard

At the bottom, the "Operations" section shows 0 In progress, 1 Success, and 0 Error.

Enabling Static Website

The screenshot shows the AWS S3 Management console for the 'aws-nakeeran' bucket. The 'Properties' tab is selected. Under the 'Static website hosting' section, the 'Bucket hosting' option is checked and highlighted with a purple circle. The other options (Versioning, Server access logging, Object-level logging, and Default encryption) are disabled.

A modal dialog box is open, titled 'Static website hosting'. It contains the following configuration fields:

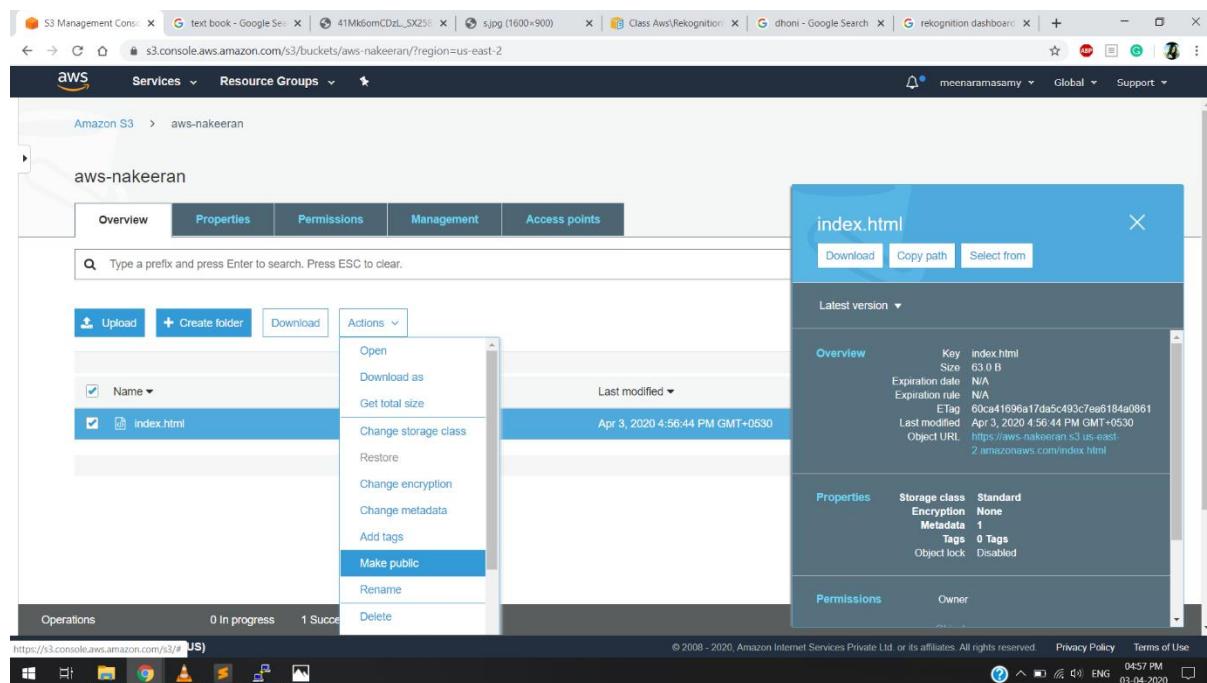
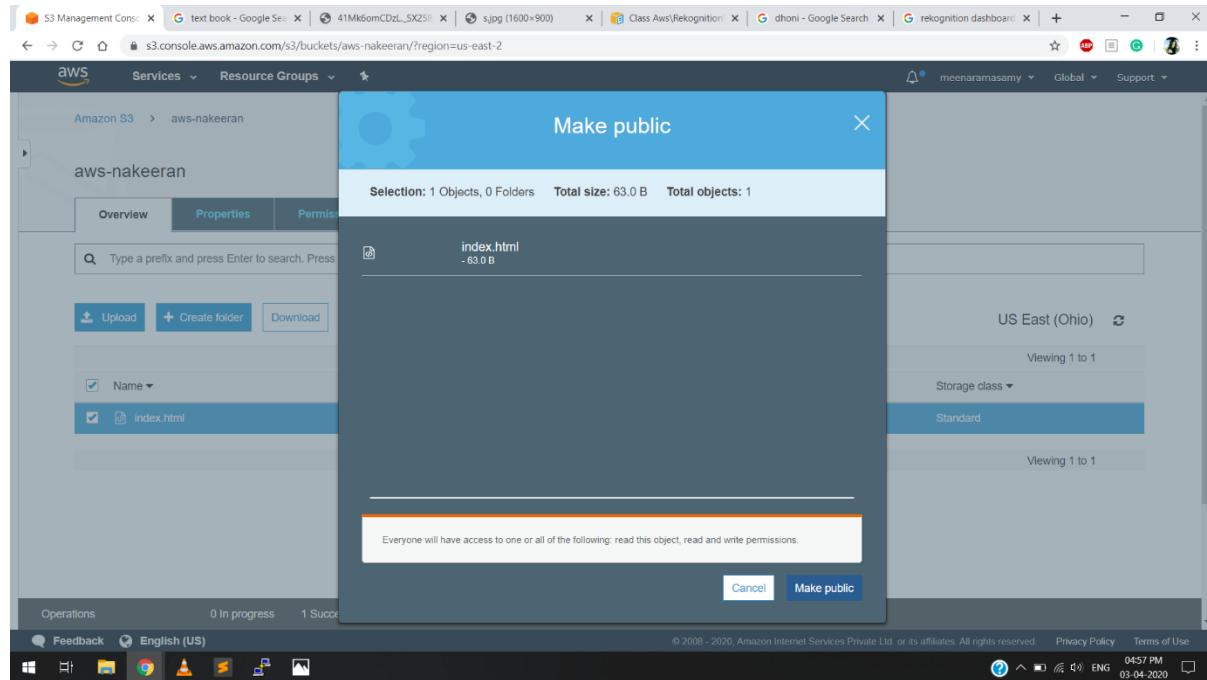
- Endpoint: `http://aws-nakeeran.s3-website.us-east-2.amazonaws.com`
- Index document: `index.html`
- Error document: `error.html`
- Redirection rules (optional): An empty text area.

At the bottom of the dialog, there are two radio buttons:

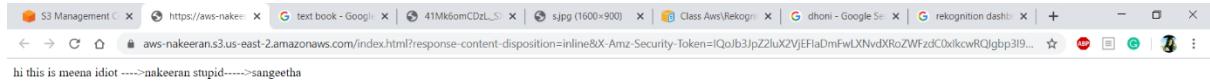
- Use this bucket to host a website [Learn more](#)
- Redirect requests [Learn more](#)
- Disable website hosting

Buttons at the bottom right of the dialog are 'Cancel' and 'Save'.

Making the Object Public



Checking the S3 link on the browser



Screenshots needed for Rekognition

Face Detect

A screenshot of the AWS Rekognition console. On the left, there's a sidebar with options like 'Custom Labels', 'Demos', 'Facial analysis' (which is selected), 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Metrics', and 'Additional Resources'. The main content area is titled 'Facial analysis' and says 'Get a complete analysis of facial attributes, including confidence scores.' It shows a group photo of Indian cricketers in blue uniforms. Below the image are options to 'Choose a sample image' or 'Use your own Image' (with a file upload field). To the right, under 'Results', it lists findings: 'looks like a face' (99.9%), 'appears to be male' (99.7%), 'age range' (25 - 39 years old), 'not smiling' (97.7%), 'appears to be calm' (84.1%), and 'not wearing glasses' (97.9%). There are also links for 'Learn more', 'Show more', and 'Request'.

Face Compare

Rekognition Console New Tab sjpg (1600x900) Class Aws\Rekognition\Exception dhoni - Google Search

AWS Services Resource Groups

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Feedback English (US)

MSD.jpg.jif

Face comparison

Compare faces to see how closely they match based on a similarity percentage.

Reference face

Comparison faces

Choose a sample image

Choose a sample image

Rekognition Console New Tab sjpg (1600x900) Class Aws\Rekognition\Exception dhoni - Google Search

AWS Services Resource Groups

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Feedback English (US)

MSD.jpg.jif

Use your own Image

Image must be jpg or png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL

Go

Use your own Image

Image must be jpg or png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL

Go

Results

Done with the demo? [Learn more](#)

Rekognition Console

New Tab

s.jpg (1600x900)

Class AwsRekognitionException

dhoni - Google Search

AWS Services Resource Groups

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Feedback English (US)

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Show all

MSD.jpg.jfif

04:45 PM 03-04-2020

Celebrity Recognition

Rekognition Console

New Tab

s.jpg (1600x900)

Class AwsRekognitionException

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Download SDKs

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Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

Done with the demo? Learn more

Results

MS Dhoni

Match confidence 98 %

Ajinkya Rahane

Match confidence 100 %

Virat Kohli

Match confidence 100 %

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04:43 PM 03-04-2020

Rekognition Console New Tab s.jpg (1600x900) Class Aws\RekognitionException

AWS Services Resource Groups

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Download SDKs

Ravichandran Ashwin Match confidence 100 %

Rohit Sharma Match confidence 99 %

Umesh Yadav Match confidence 100 %

Shikhar Dhawan Match confidence 100 %

Feedback English (US)

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Rekognition Console New Tab s.jpg (1600x900) Class Aws\RekognitionException

AWS Services Resource Groups

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources

Getting started guide

Download SDKs

Umesh Yadav Match confidence 99 %

Shikhar Dhawan Match confidence 100 %

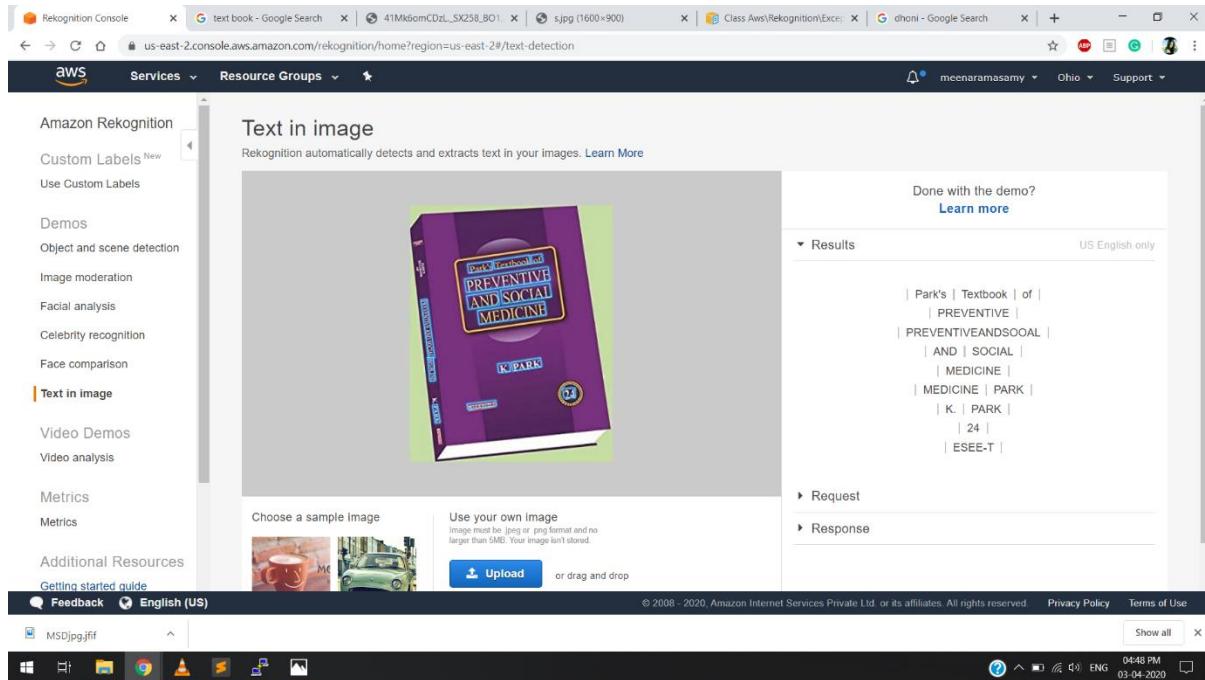
Ravindra Jadeja Match confidence 100 %

Suresh Raina Match confidence 100 %

Feedback English (US)

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Text in Image



Screenshots needed for EC2 & S3

Installing aws-sdk

A screenshot of a terminal window on an EC2 instance. The user is running the command "composer require aws/aws-sdk-php". The output shows the composer process loading repositories, updating dependencies, and installing packages like symfony/polyfill-mbstring, guzzlehttp/jsonpath, guzzlehttp/promises, guzzlehttp/psr7, guzzlehttp/guzzle, psr/http-message, guzzlehttp/psr7, guzzlehttp/guzzle, and aws/aws-sdk-php. It also shows suggestions for zendframework/zend-http and doctrine/cache. The terminal window has a black background and white text, with a blue cursor. The bottom status bar shows the date and time as 03-04-2020 04:48 PM.

Installing php

index.php file code

C:\Users\Nakeeran.Ramasamy\AppData\Local\Microsoft\Windows\NetCache\[E]\LYIu7K2L\5_6053179963266302248[1].php • - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
41
42 $s3 = new S3Client([
43     'region'    => 'us-east-2',
44     'version'   => '2006-03-01',
45     'signature' => 'v4'
46 ]);
47
48 try {
49     // Upload data.
50     $result = $s3->putObject([
51         'Bucket'    => $bucket,
52         'Key'       => $keyname,
53         'SourceFile' => "/var/www/html/Face/".$keyname,
54         // 'SourceFile' => __DIR_. "/$keyname",
55         'ACL'       => 'public-read-write'
56     ]);
57
58     // Print the URL to the object.
59     $imageUrl = $result['ObjectURL'];
60     if($imageUrl) {
61         echo "Image upload done... Here is the URL: " . $imageUrl;
62
63         $rekognition = new RekognitionClient([
64             'region'    => 'us-east-2',
65             'version'   => 'latest',
66         ]);
67
68         $result = $rekognition->detectFaces([
69             'Attributes' => ['DEFAULT'],
70             'Image'      => [
71                 'S3Object' => [
72                     'Bucket'  => $bucket,
73                     'Name'    => $keyname,
74                     'Key'     => $keyname,
75                 ],
76             ],
77         ]);
78
79         echo "Totally there are " . count($result["FaceDetails"]) . " faces";
80     }
81 }
```

C:\Users\Nakeeran.Ramasamy\AppData\Local\Microsoft\Windows\NetCache\[E]\LYIu7K2L\5_6053179963266302248[1].php • Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
1 <?php
2
3 /*
4 */
5 Install php - sudo yum install php
6 curl -sS https://getcomposer.org/installer | php
7 cd /var/www/html
8 sudo mkdir face
9 cd face
10 sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
11
12 In case if you get memory error -
13   sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
14   sudo /sbin/mkswap /var/swap.1
15   sudo /sbin/swapon /var/swap.1
16
17 sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
18 sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
19
20 In case if you are getting any class NOT found error, follow these steps
21
22 sudo yum remove php*
23 sudo yum remove httpd*
24 sudo yum clean all
25 sudo yum upgrade -y
26 sudo amazon-linux-extras install php7.2
27 sudo yum install php-json php-xml php-cli php-mbstring
28 sudo yum install httpd
29
30 */
31 // error_reporting(0);
32
33 require_once(__DIR__ . '/vendor/autoload.php');
34
35 use Aws\S3\S3Client;
36 use Aws\Rekognition\RekognitionClient;
37
38
39 $bucket = 'aws-meena';
40 $keyname = 's.jpg';

```

Line 4, Column 1

Tab Size: 4 PHP 04-04-2020

C:\Users\Nakeeran.Ramasamy\AppData\Local\Microsoft\Windows\NetCache\[E]\LYIu7K2L\5_6053179963266302248[1].php • Sublime Text (UNREGISTERED)

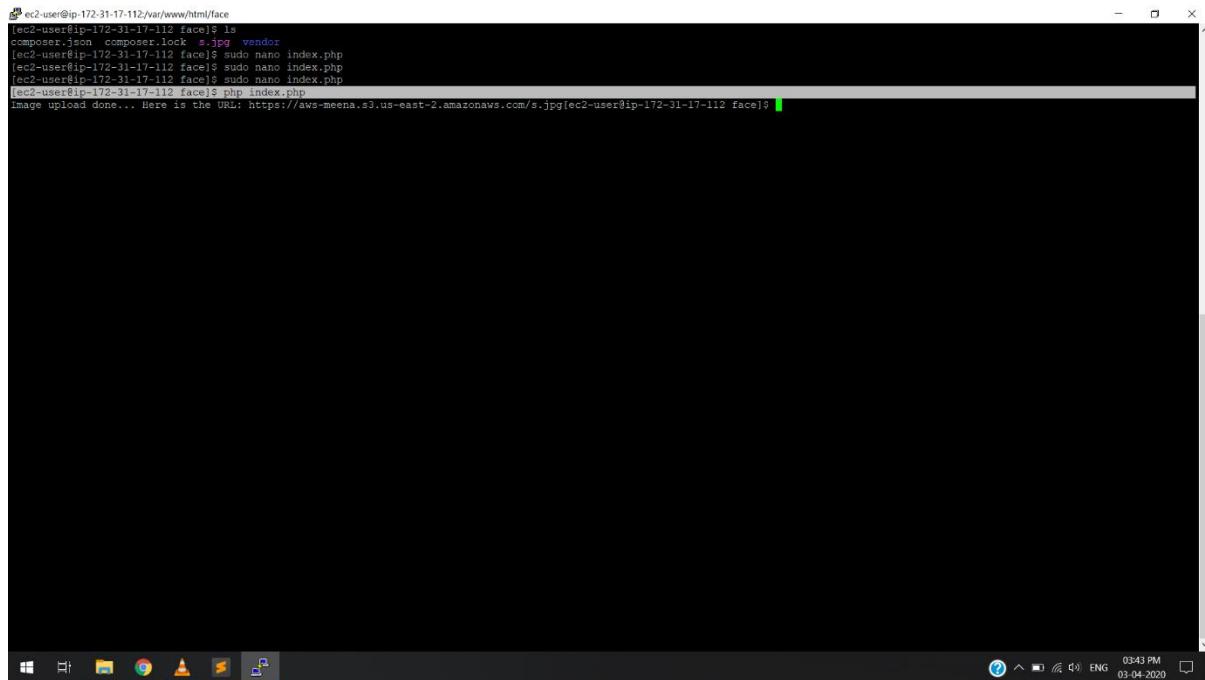
File Edit Selection Find View Goto Tools Project Preferences Help

```
46 );
47
48 try {
49     // Upload data.
50     $result = $s3->putObject([
51         'Bucket'      => $bucket,
52         'Key'         => $keyname,
53         'SourceFile'  => "/var/www/html/face/" . $keyname,
54         // 'SourceFile'  => DTR . "/" . $keyname,
55         'ACL'         => 'public-read-write'
56     ]);
57
58     // Print the URL to the object.
59     $imageUrl = $result['ObjectURL'];
60     if($imageUrl) {
61         echo "Image upload done... Here is the URL: " . $imageUrl;
62
63         $rekognition = new RekognitionClient([
64             'region'      => 'us-east-2',
65             'version'     => 'latest',
66         ]);
67
68         $result = $rekognition->detectFaces([
69             'Attributes'  => ['DEFAULT'],
70             'Image'       => [
71                 'S3Object' => [
72                     'Bucket'  => $bucket,
73                     'Name'    => $keyname,
74                     'Key'     => $keyname,
75                 ],
76             ],
77         ]);
78
79         echo "Totally there are " . count($result["FaceDetails"]) . " faces";
80     }
81 } catch (Exception $e) {
82     echo $e->getMessage() . PHP_EOL;
83 }
84
85 ?>
```

Line 85, Column 3

Tab Size: 4 PHP 04-04-2020

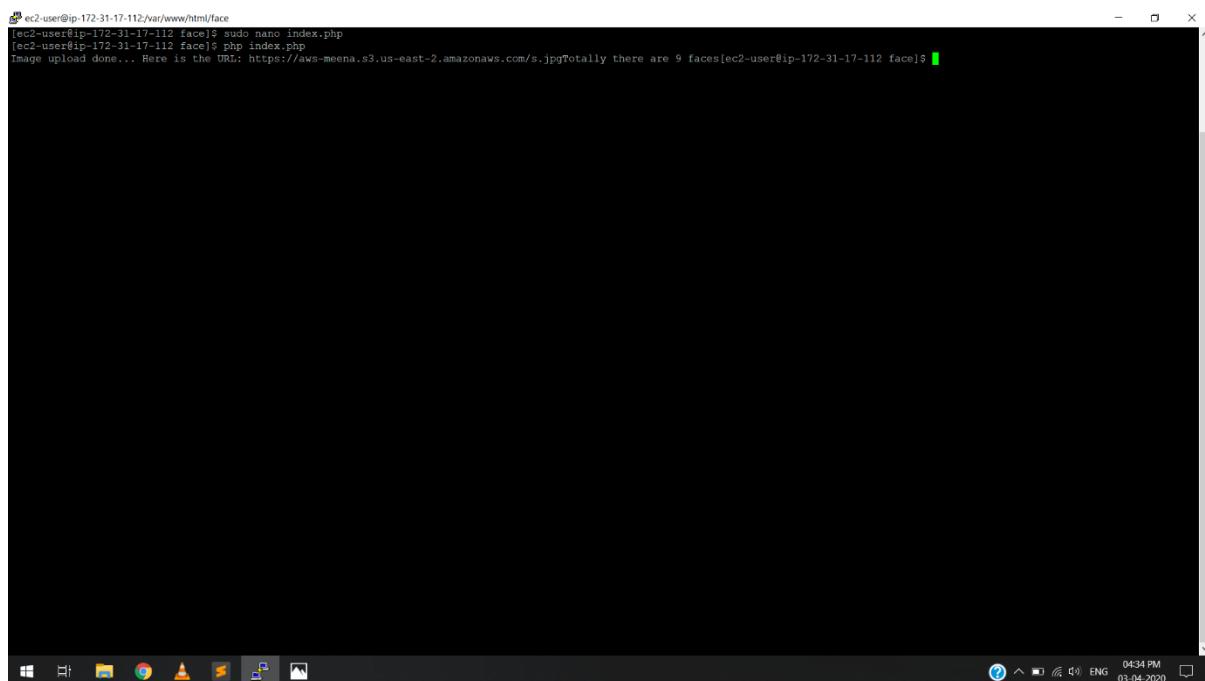
Upload success screenshot



```
ec2-user@ip-172-31-17-112:~/var/www/html/face
[ec2-user@ip-172-31-17-112 face]$ ls
composer.json composer.lock s.jpg vendor
[ec2-user@ip-172-31-17-112 face]$ sudo nano index.php
[ec2-user@ip-172-31-17-112 face]$ sudo nano index.php
[ec2-user@ip-172-31-17-112 face]$ sudo nano index.php
[ec2-user@ip-172-31-17-112 face]$ php index.php
Image upload done... Here is the URL: https://aws-meena.s3.us-east-2.amazonaws.com/s.jpg[ec2-user@ip-172-31-17-112 face]$
```

Screenshots needed for EC2 & Rekognition

Face Detect success screenshot



```
ec2-user@ip-172-31-17-112:~/var/www/html/face
[ec2-user@ip-172-31-17-112 face]$ sudo nano index.php
[ec2-user@ip-172-31-17-112 face]$ php index.php
Image upload done... Here is the URL: https://aws-meena.s3.us-east-2.amazonaws.com/s.jpgTotally there are 9 faces[ec2-user@ip-172-31-17-112 face]$
```