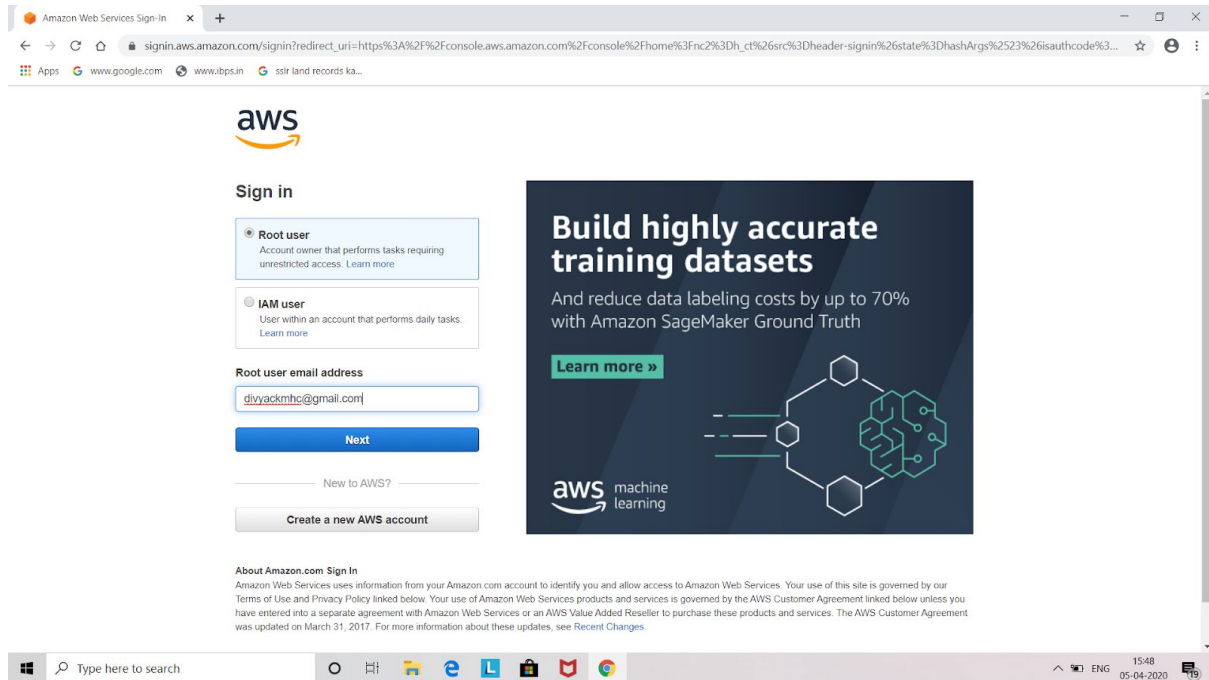
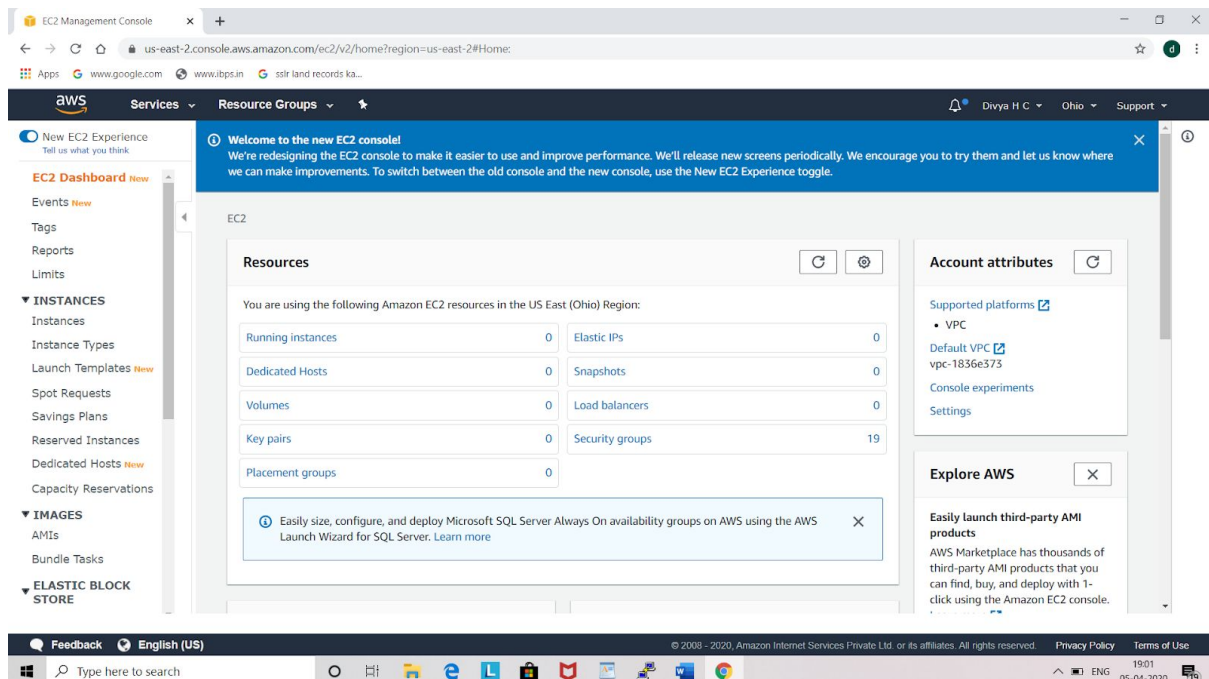


# Screenshots For AWS Face Detection App

## Aws login screen with username



## Ec2 Dashboard



# S3 Dashboard

The screenshot shows the Amazon S3 Management Console in a web browser. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'Divya H C'. A blue banner at the top right states: '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 left sidebar lists 'Amazon S3' with sub-links for 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'. The main content area, titled 'Amazon S3', shows a 'Buckets (1)' section with a search bar and a table of buckets. The table has columns for Name, Region, Access, and Bucket created. One bucket is listed: 'divyabc' in 'US East (Ohio) us-east-2' with 'Objects can be public' access, created on '2020-04-01T08:58:09.000Z'. Above the table are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. The bottom of the page shows a Windows taskbar with various application icons and a system clock showing 13:43 on 05-04-2020.

Name	Region	Access	Bucket created
divyabc	US East (Ohio) us-east-2	Objects can be public	2020-04-01T08:58:09.000Z

# Rekognition Dashboard

The screenshot shows the Amazon Rekognition console. The top navigation bar is similar to the S3 dashboard, with the user profile 'Divya H C' and the region 'Ohio'. The left sidebar lists 'Amazon Rekognition' with links for 'Custom Labels', 'Demos', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Video analysis', 'Metrics', and 'Additional Resources'. The main content area features a large hero section with the title 'Amazon Rekognition' and the description 'Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos'. Below this are buttons for 'Try Demo' and 'Download SDKs'. The bottom section is divided into three columns: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. The first column explains that Rekognition removes the complexity of building computer vision. The second column states that Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. The third column explains that Rekognition integrates directly with Amazon S3 and AWS Lambda. The bottom of the page shows a Windows taskbar with various application icons and a system clock showing 00:59 on 05-04-2020.

# Screenshots of Ec2:

## Choosing an AMI

Launch instance wizard | EC2 M... x

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

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

AWS Marketplace

Community AMIs

Free tier only

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ca4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)

Amazon Linux Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86) 64-bit (Arm)

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bdd08f24c7a8

Amazon Linux Free tier eligible

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.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86)

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)

Red Hat Free tier eligible

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86) 64-bit (Arm)

Feedback English (US)

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Type here to search

## Choosing an Instance Type

Launch instance wizard | EC2 M... x

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

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

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

Feedback English (US)

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Type here to search

# Adding storage

Launch instance wizard | EC2 Ma x

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws

Services Resource Groups

Divya H C Ohio Support

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

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

Add New Volume

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.

CancelPreviousReview and LaunchNext: Add Tags

FeedbackEnglish (US)

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Type here to search

ENG19:0205-04-2020

# Configuring Security Group

Launch instance wizard | EC2 Ma x

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws

Services Resource Groups

Divya H C Ohio Support

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### 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:

launch-wizard-19

Description:

launch-wizard-19 created 2020-04-05T19:02:26.835+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom0.0.0.0/0	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.

CancelPreviousReview and Launch

FeedbackEnglish (US)

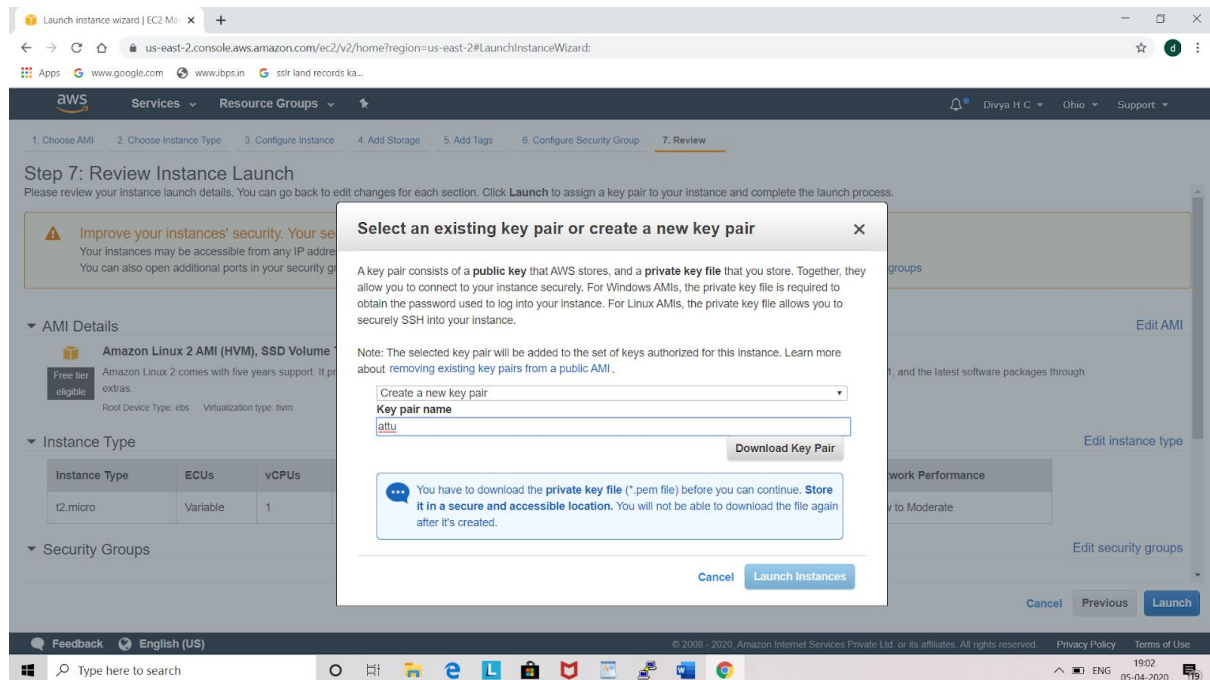
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Type here to search

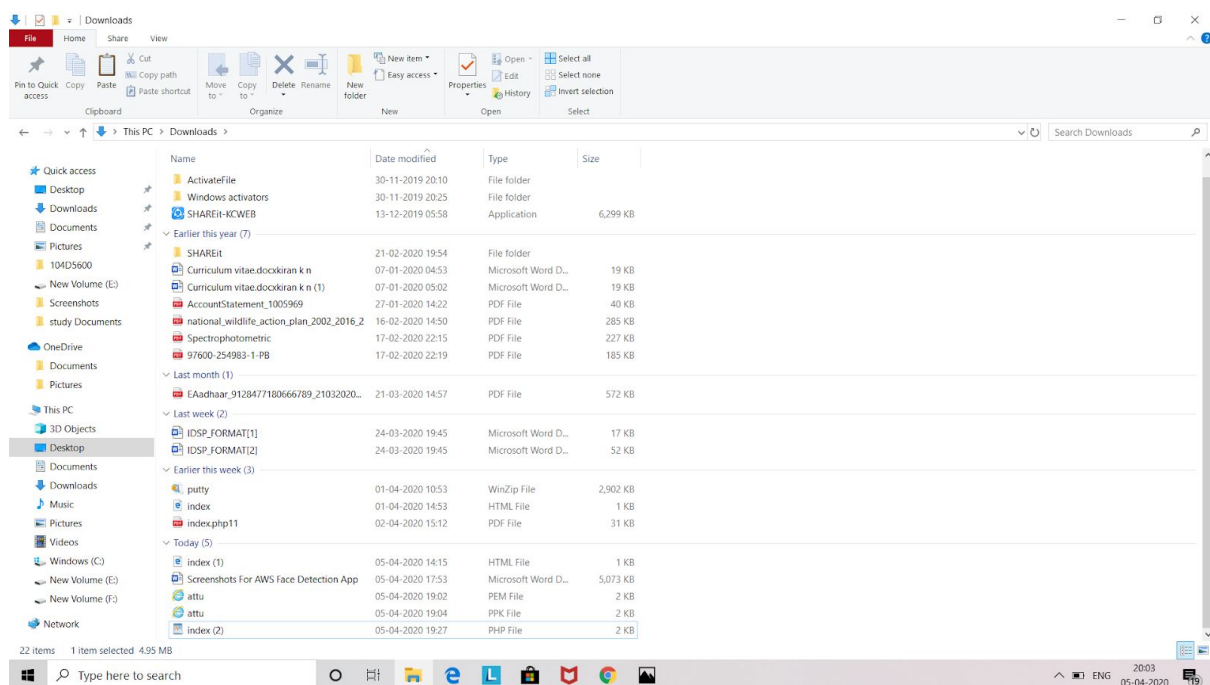
ENG19:0205-04-2020



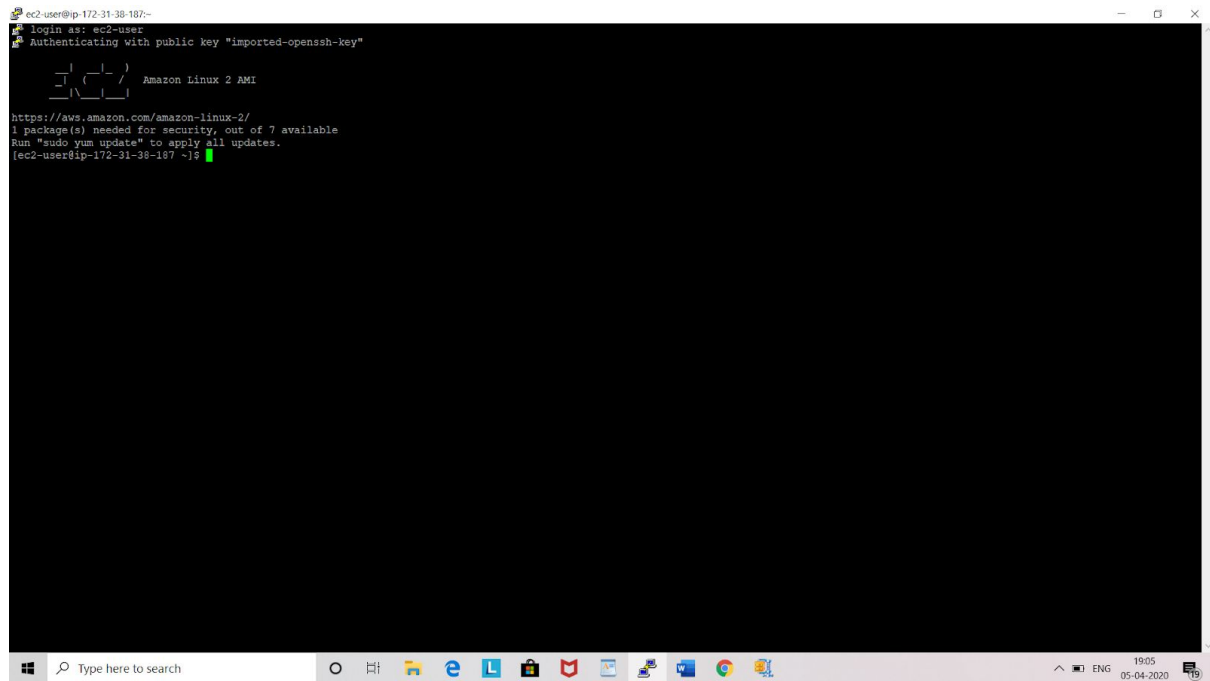
# Key pair Download



# Puttygen conversion from pem to ppk

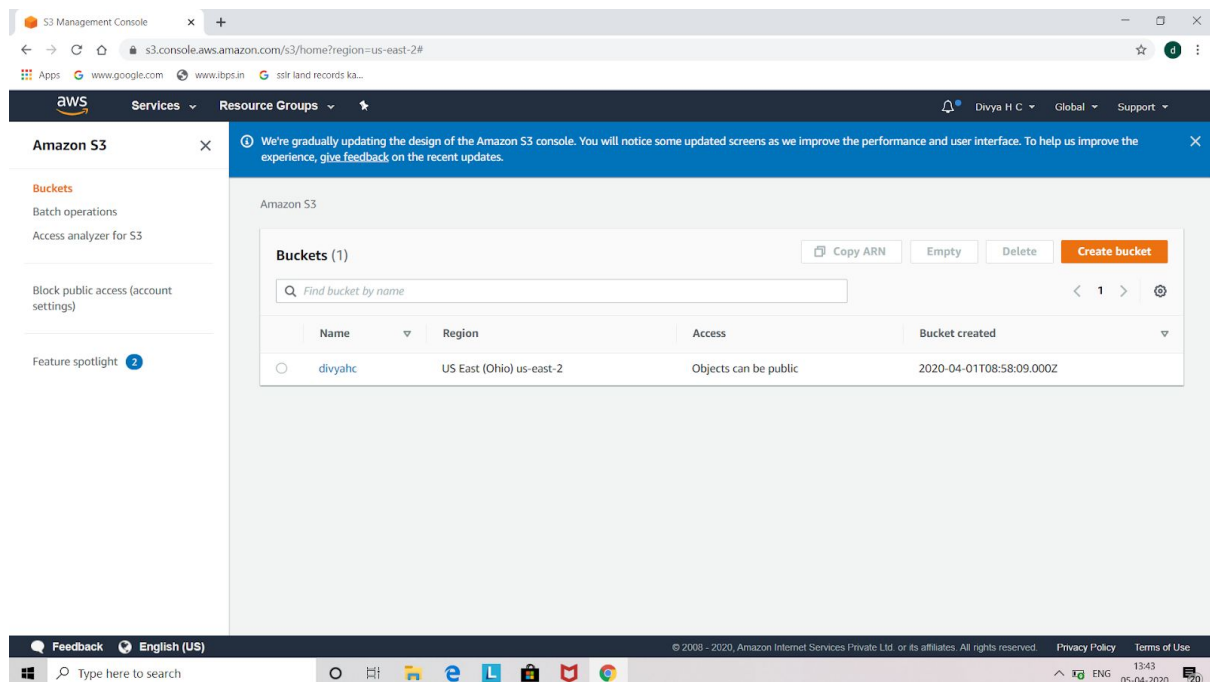


## Logged in Ec2 Black Screen

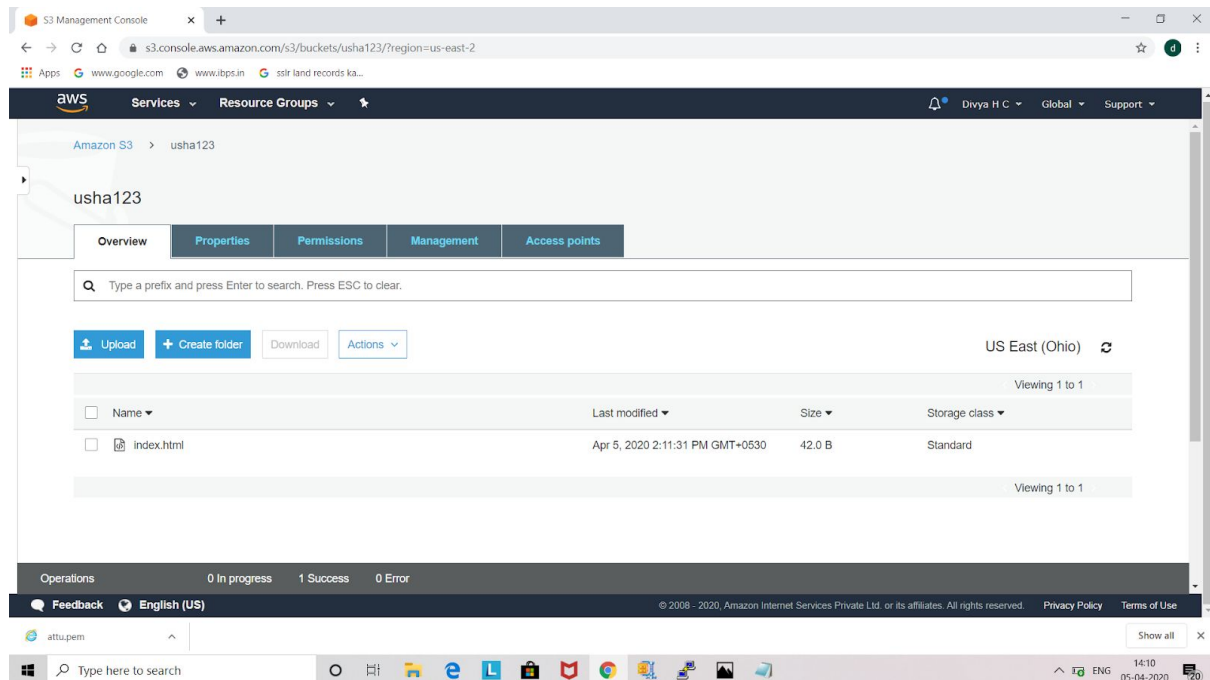


### Screenshots for S3:

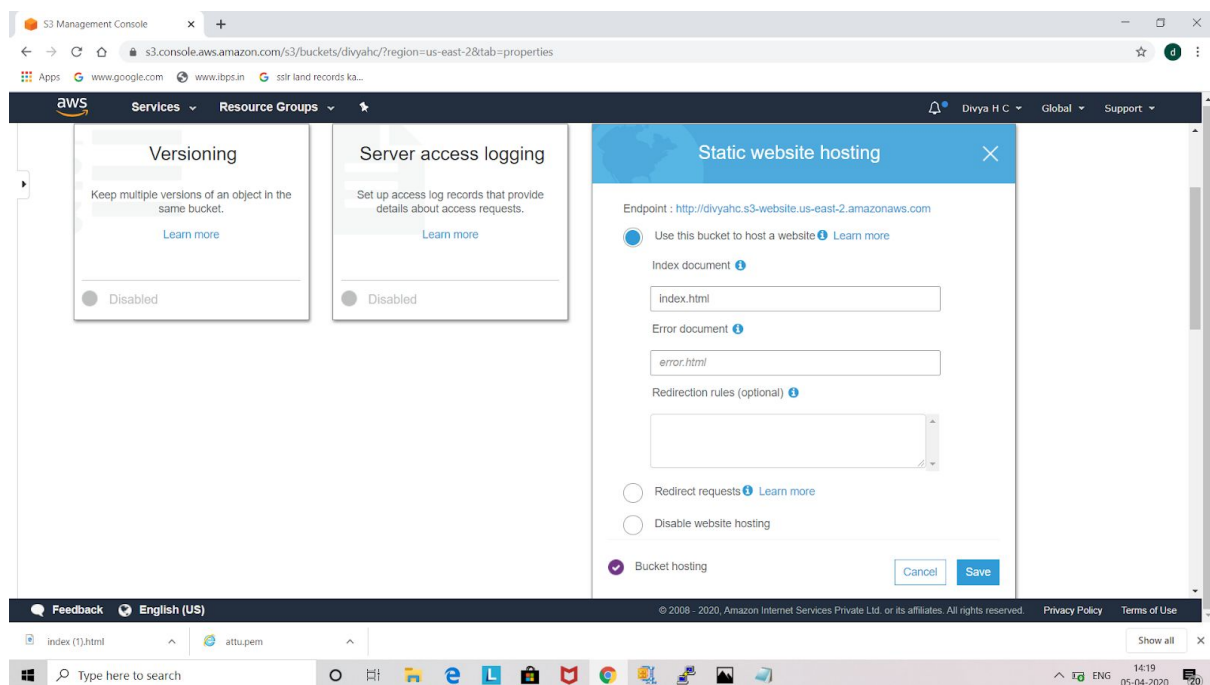
## Creating a Bucket



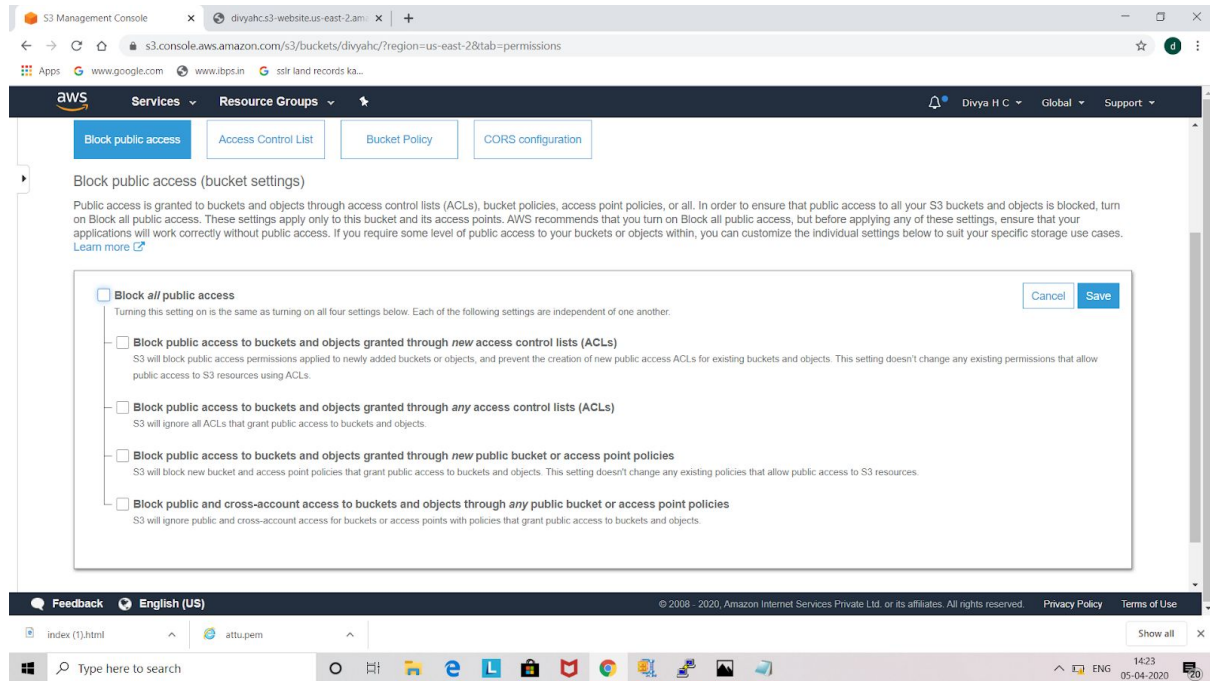
# Uploading an object



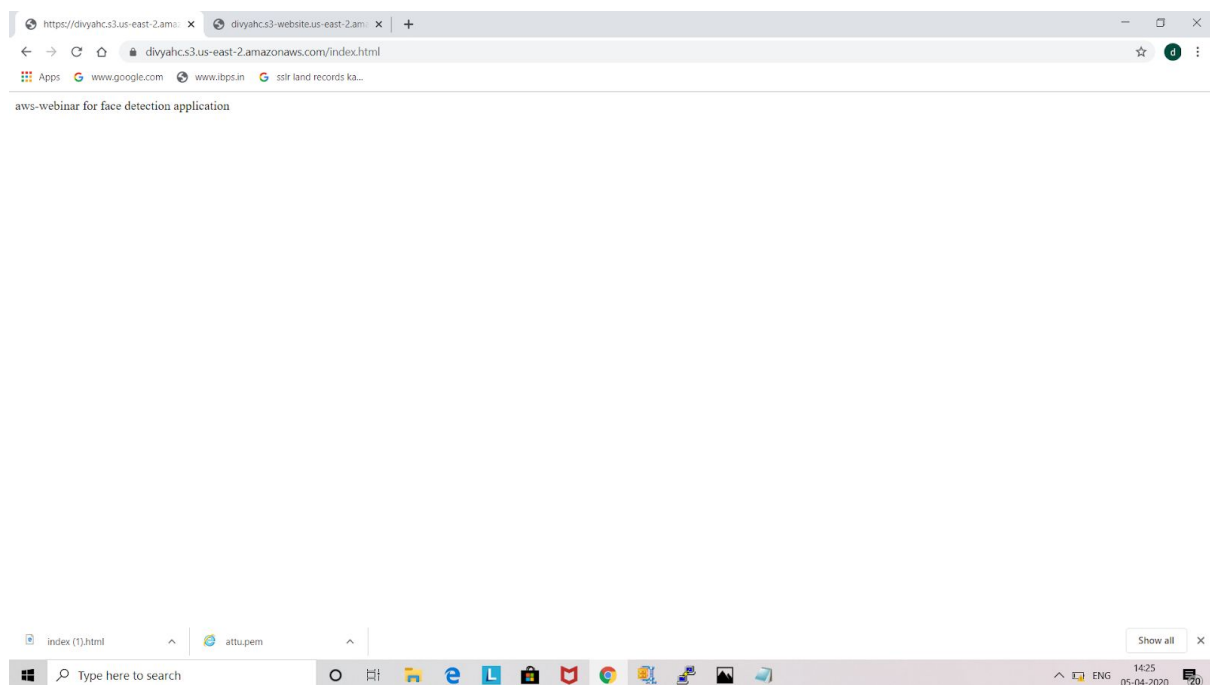
# Enabling Static Website



## Making the object public



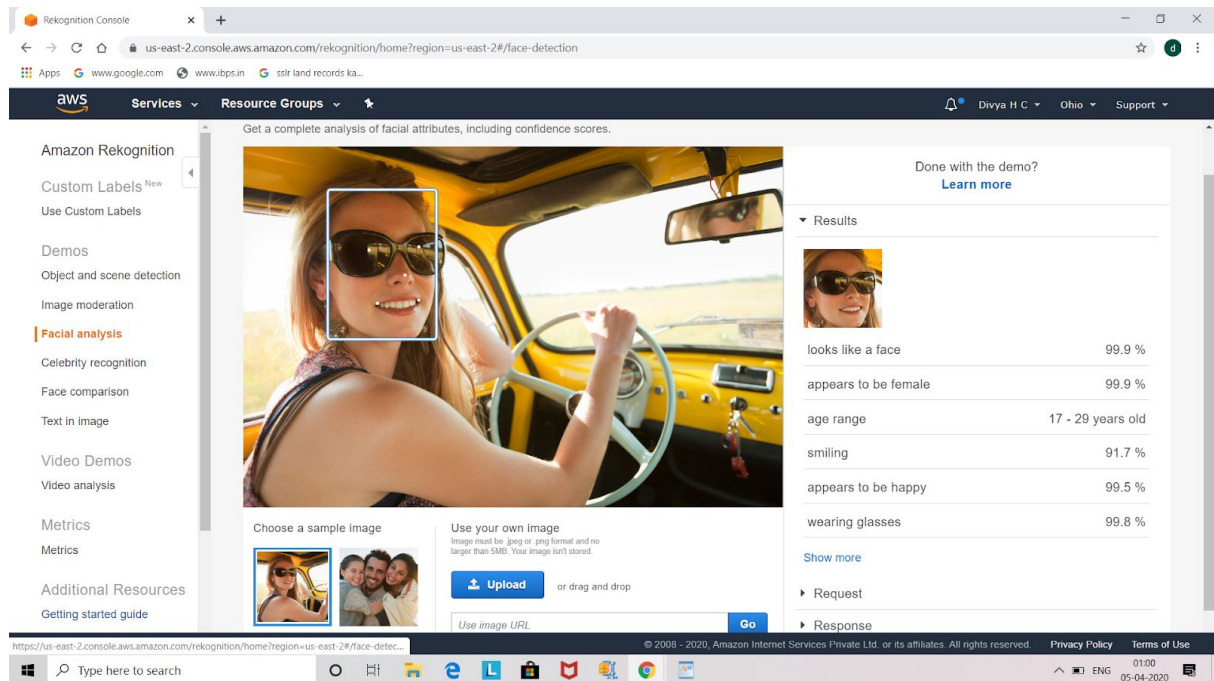
## Checking S3 link on browser



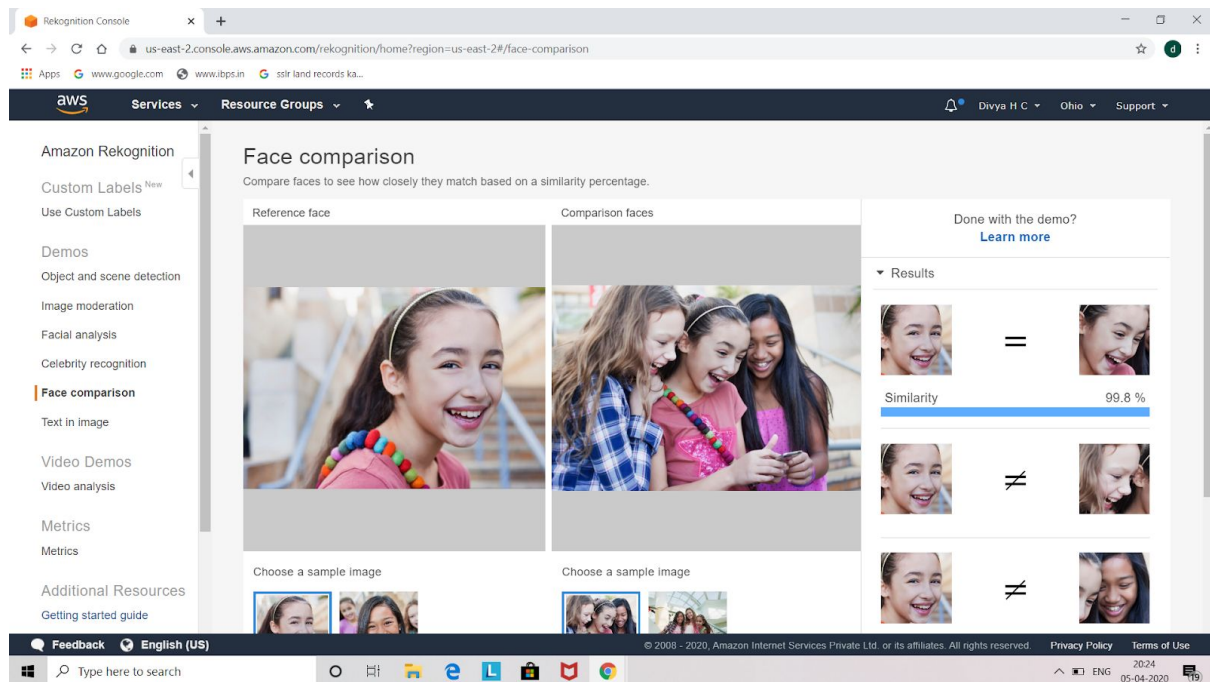


# Screenshots for Rekognition:

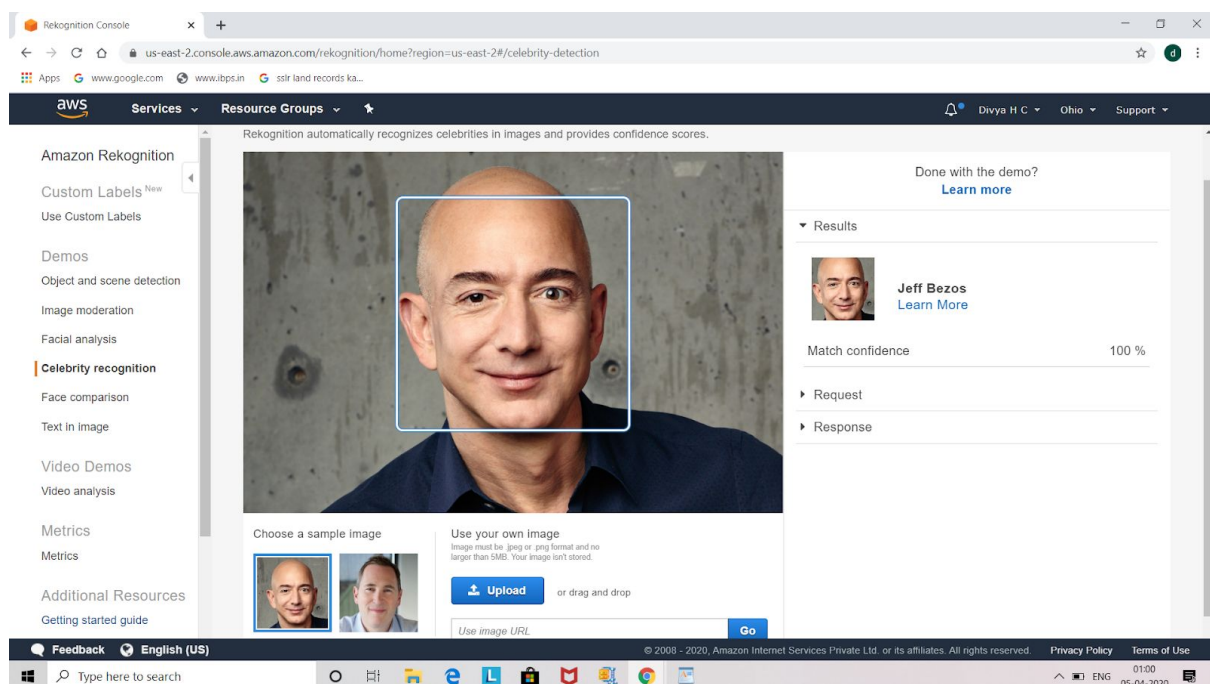
## Face Detect



## Face Compare



## Celebrity Rekognition



## Text in Image

Rekognition Console

us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/text-detection

Appswww.google.comwww.itps.instr land records ka...

awsServicesResource Groups

Divya H COhioSupport

Amazon Rekognition


Custom LabelsNewUse Custom Labels

DemosObject and scene detectionImage moderationFacial analysisCelebrity recognitionFace comparisonText in imageVideo DemosVideo analysisMetricsMetrics

Additional ResourcesGetting started guide

Text in image

Rekognition automatically detects and extracts text in your images. [Learn More](#)



Choose a sample image

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

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

▼ ResultsUS English only

| IT'S |  
| MONDAY |  
| but | keep |  
| Smiling |

► Request

► Response

FeedbackEnglish (US)

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Type here to search

ENG00:5905-04-2020

# Screenshots for Ec2 & S3

## Install aws-sdk

```
ec2-user@ip-172-31-38-187:~$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.134 for aws/aws-sdk-php
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 9 installs, 0 updates, 0 removals
  - Installing symfony/polyfill-php80 (v1.15.0): Downloading (100%)
  - Installing mtdowling/jmespath.php (2.5.0): Downloading (100%)
  - Installing guzzlehttp/promises (v1.3.1): Downloading (100%)
  - Installing ralouphie/getallheaders (3.0.3): Downloading (100%)
  - Installing psr/http-message (1.0.1): Downloading (100%)
  - Installing guzzlehttp/psr7 (1.6.1): Downloading (100%)
  - Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
  - Installing aws/aws-sdk-php (3.134.3): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httphandler (Enables PSR-7 responses)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain Name (IDN) support)
aws/aws-sdk-php suggests installing doctrine/cache (To use the DoctrineCacheAdapter)
aws/aws-sdk-php suggests installing aws/aws-php-sns-message-validator (To validate incoming SNS notifications)
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-38-187 ~]$
```

## Install php

```
ec2-user@ip-172-31-38-187:~$ sudo yum install php
Verifying : httpd-2.4.41-1.amzn2.0.1.x86_64 3/9
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64 4/9
Verifying : mod_http2-1.15.3-2.amzn2.0.1.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.0.1.x86_64 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.0.1.x86_64 8/9
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64 9/9

Installed:
httpd.x86_64 0:2.4.41-1.amzn2.0.1

Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1 mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[ec2-user@ip-172-31-38-187 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
php x86_64 5.4.16-46.amzn2.0.2 amzn2-core 1.4 M
Installing for dependencies:
libzip010-compat x86_64 0.10.1-9.amzn2.0.5 amzn2-core 30 k
php-cli x86_64 5.4.16-46.amzn2.0.2 amzn2-core 2.8 M
php-common x86_64 5.4.16-46.amzn2.0.2 amzn2-core 563 k
=====

Transaction Summary
Install 1 Package (+3 Dependent packages)

Total download size: 4.7 M
Installed size: 17 M
Is this ok [y/d/N]: y
```

# Index.php file code

```
ec2-user@ip-172-31-38-187:/var/www/html/face
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'divyaha';
$keyname = 's.jpg';

$s3 = new S3Client([
    'region' => 'us-east-2',
    'version' => '2006-03-01',
    'signature' => 'v4'
]);

try {
    // Upload data.
    $result = $s3->putObject([
        'Bucket' => $bucket,
        'Key' => $keyname,
        'SourceFile' => __DIR__ . '/' . $keyname,
        'ACL' => 'public-read-write'
    ]);

    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done... Here is the URL: " . $imageUrl;

        $rekognition = new RekognitionClient([
            'region' => 'us-east-2',
            'version' => 'latest',
        ]);

        $result = $rekognition->detectFaces([
            'Attributes' => ['CEPAAULT'],
            'Images' => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name' => $keyname,
                    'Key' => $keyname,
                ],
            ],
        ]);

        echo "Totally there are " . count($result["FaceDetails"]) . " faces";
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}
```

# Success Screenshot

```
ec2-user@ip-172-31-38-187:/var/www/html/face
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-38-187 face]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-7.2.28-1.amzn2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-38-187 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-05 14:20:47-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.200.84, 2600:1408:20:abb:1931, 2600:1408:20:a9a:1931, ...
Connecting to i.pinimg.com (i.pinimg.com)|151.101.200.84|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'

100%[=====] 215,551 --.-K/s in 0.04s

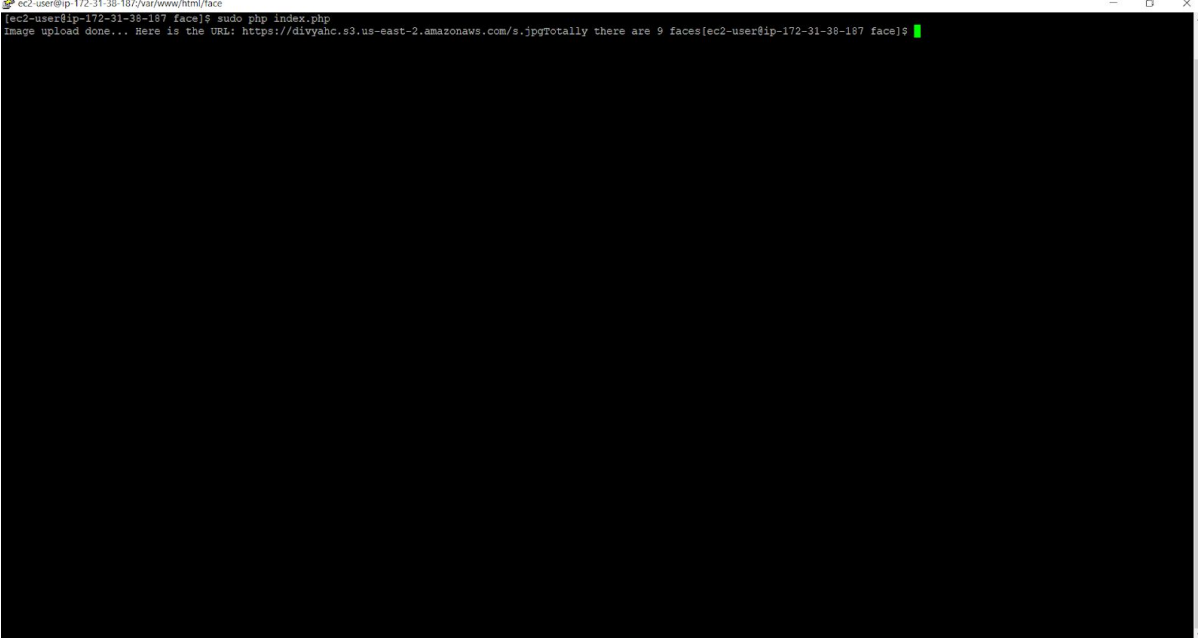
2020-04-05 14:20:47 (4.66 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-38-187 face]$ wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-05 14:21:23-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.200.84, 2a04:4e42:2f::84
Connecting to i.pinimg.com (i.pinimg.com)|151.101.200.84|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
b97ea33b5842c7894b804923c6c05580.jpg.1: Permission denied

Cannot write to 'b97ea33b5842c7894b804923c6c05580.jpg.1' (Success).
[ec2-user@ip-172-31-38-187 face]$ sudo php -d memory_limit=1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.134 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Generating autoload files
3 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-38-187 face]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-7.2.28-1.amzn2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-38-187 face]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-38-187 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
[ec2-user@ip-172-31-38-187 face]$ sudo vim index.php
[ec2-user@ip-172-31-38-187 face]$ sudo php index.php
Image upload done... Here is the URL: https://divyaha.s3.us-east-2.amazonaws.com/s.jpg
```



# Face Detect Screenshot



The screenshot shows a terminal window with a black background and white text. The text indicates a successful image upload and a face detection result. The terminal is titled 'ec2-user@ip-172-31-38-187:/var/www/html/face'. The command executed is 'sudo php index.php'. The output is 'Image upload done... Here is the URL: https://divyahc.s3.us-east-2.amazonaws.com/s.jpgTotally there are 9 faces'. The terminal is open in a Windows environment, as evidenced by the taskbar at the bottom.

```
ec2-user@ip-172-31-38-187:/var/www/html/face
[ec2-user@ip-172-31-38-187 face]$ sudo php index.php
Image upload done... Here is the URL: https://divyahc.s3.us-east-2.amazonaws.com/s.jpgTotally there are 9 faces[ec2-user@ip-172-31-38-187 face]$
```

THANK YOU