

## **APTIMITHRA – ETHNUS**

### **“FACE DETECTION APPLICATION USING AWS”**

**Name : Valliammai.M**

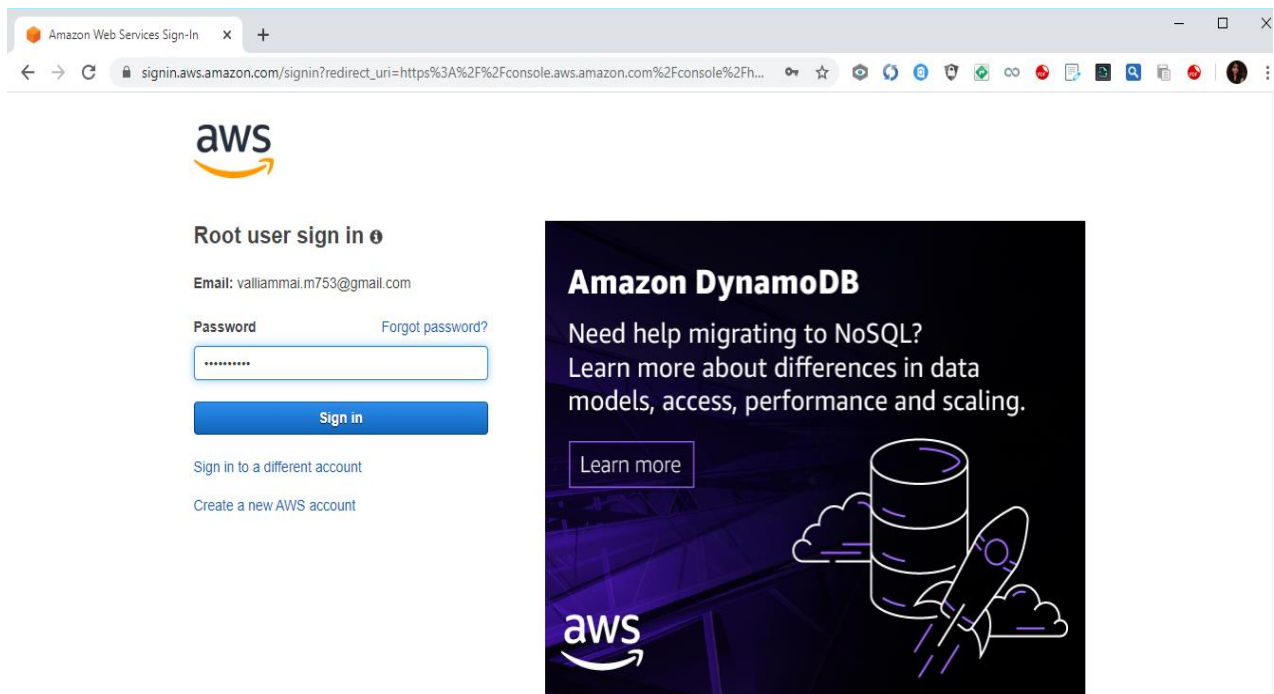
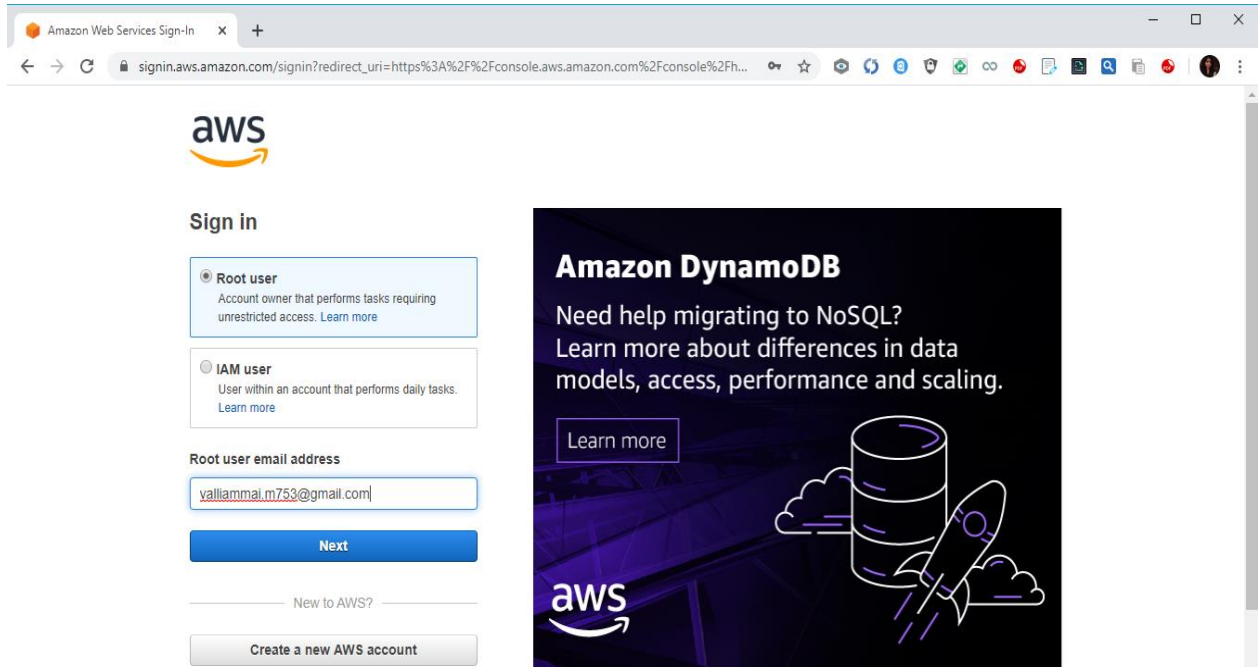
**Reg No : 16MIS0488**

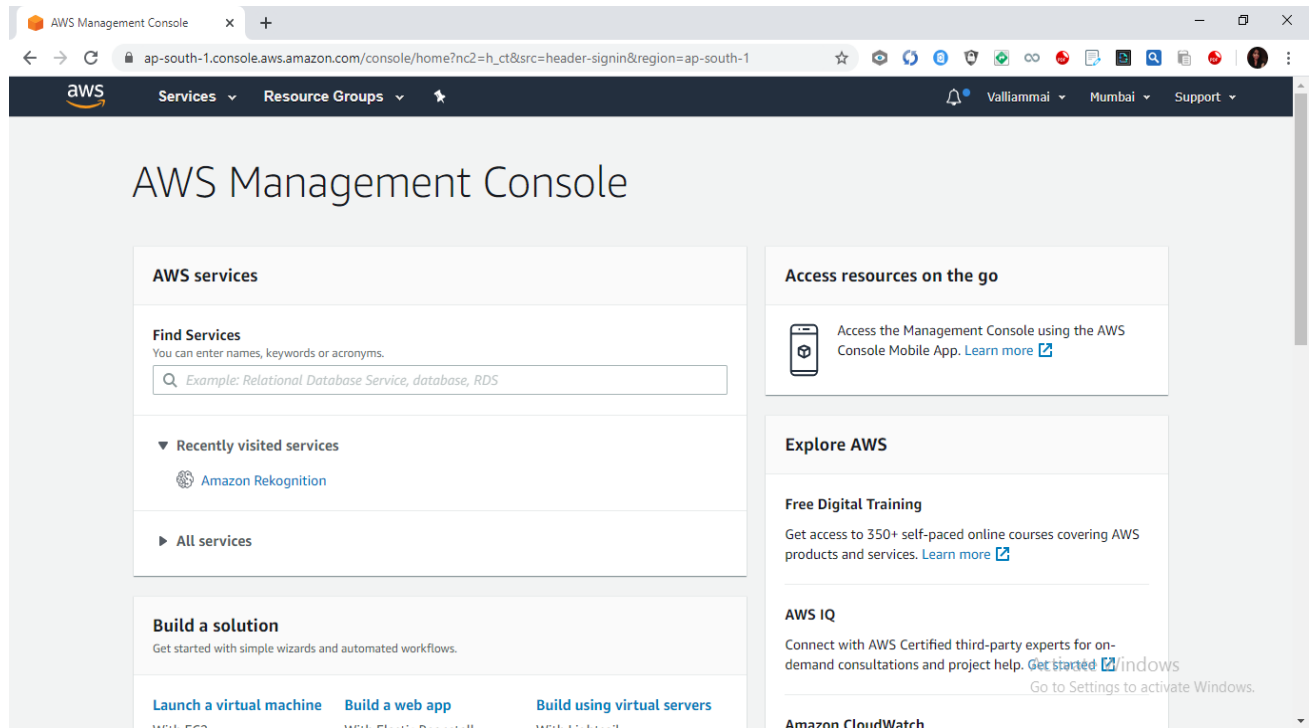
**College Name : Vellore Institute of Technology,  
Vellore**

**Course : M.Tech(SE)**

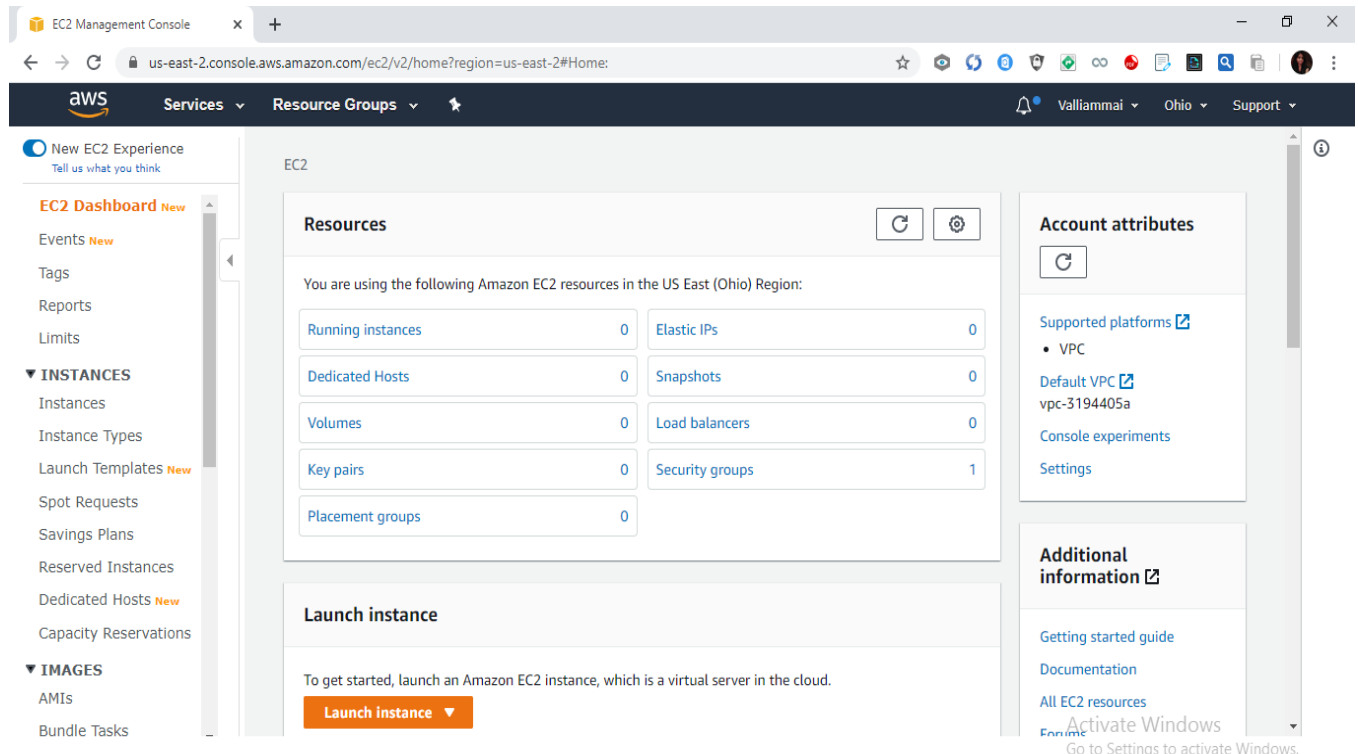
## SCREENSHOTS:-

### 1)AWS LOGIN SCREEN WITH USER NAME:





## 2) EC2 DASHBOARD:



Instances | EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3;sort=inst...

Services Resource Groups

New EC2 Experience  
Tell us what you think

EC2 Dashboard **New**

Events **New**

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates **New**

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts **New**

Capacity Reservations

IMAGES

Launch Instance Connect Actions

search: i-07ef9ddb11f5a4d3 Add filter

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
	i-07ef9ddb11f5a4d3	t2.micro	us-east-2c	running	Initializing	None	ec2-13-59-189-253.us-...

Description Status Checks Monitoring Tags

Instance ID i-07ef9ddb11f5a4d3 Public DNS (IPv4) ec2-13-59-189-253.us-east-2.compute.amazonaws.com

Instance state running IPv4 Public IP 13.59.189.253

Instance type t2.micro IPv6 IPs -

Findings Opt-in to AWS Compute Optimizer for Elastic IPs

### 3)S3 DASHBOARD

S3 Management Console

s3.console.aws.amazon.com/s3/home?region=us-east-2#

Services Resource Groups

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

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.

Amazon S3

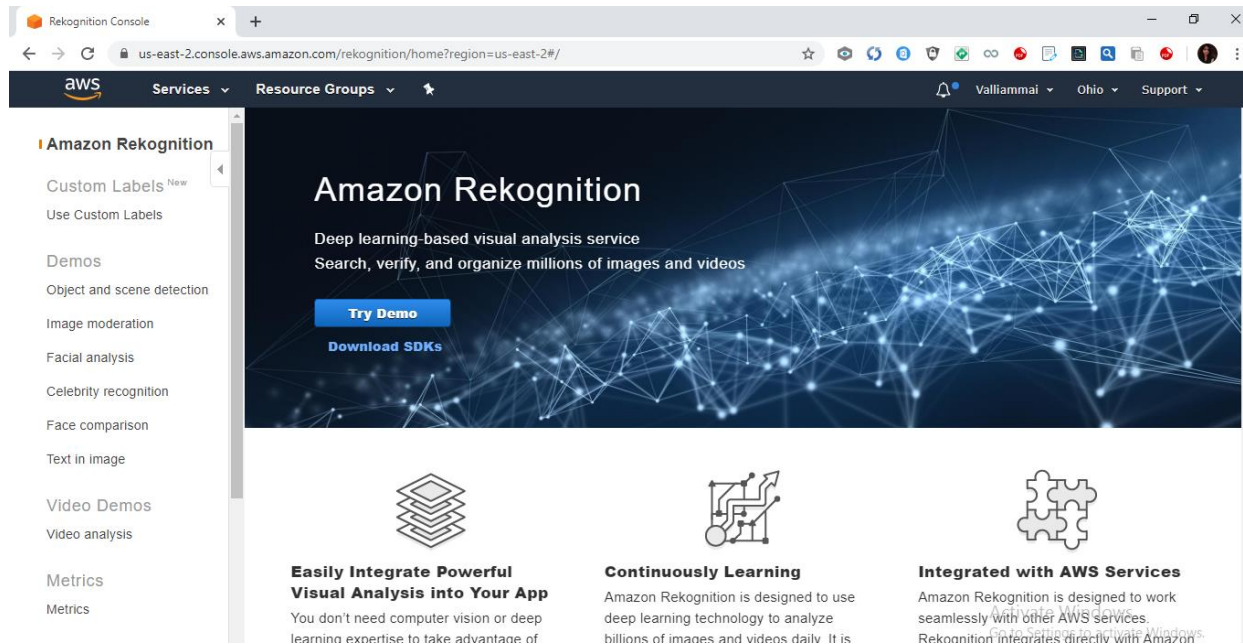
Buckets (0) Copy ARN Empty Delete Create bucket

Find bucket by name

Name	Region	Access	Bucket created
No buckets			
You don't have any buckets.			
Create bucket			

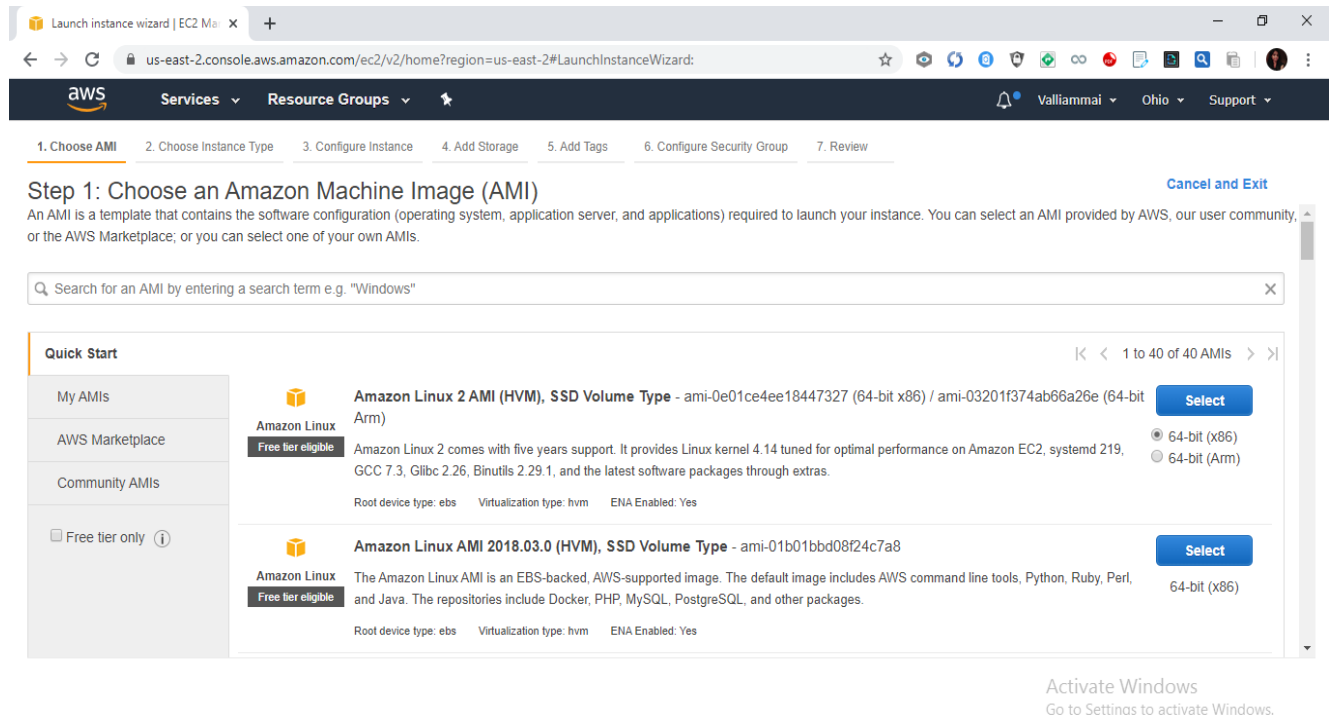
Activate Windows  
Go to Settings to activate Windows.

## 4) REKOGNITION DASHBOARD:-



## Screenshots needed for EC2

### 1) Choosing an AMI



## 2) Choosing an Instance Type

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

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 Free tier eligible	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

Cancel Previous Review and Launch Next: Configure Instance Details

Go to Settings to activate Windows.

## 3) 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

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

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.

Cancel Previous Review and Launch Next: Add Tags

Go to Settings to activate Windows.

## 4) 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

Valliammai Ohio Support

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

**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](#)

Go to Settings to activate Windows.

## 5) Key Pair Download

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

Valliammai Ohio Support

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

### Step 7: Review Instance Launch

**Instance Type** t2.micro **ECUs** Variable

**Security Groups**

**Security group name** launch-wizard-1 **Description** launch-wizard-1

**Type** SSH **Protocol** TCP

**Instance Details**

**Storage**

**Network Performance** Low to Moderate

[Edit security groups](#)

**Description**

[Edit instance details](#)

[Edit storage](#)

[Cancel](#) [Previous](#) [Launch](#)

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

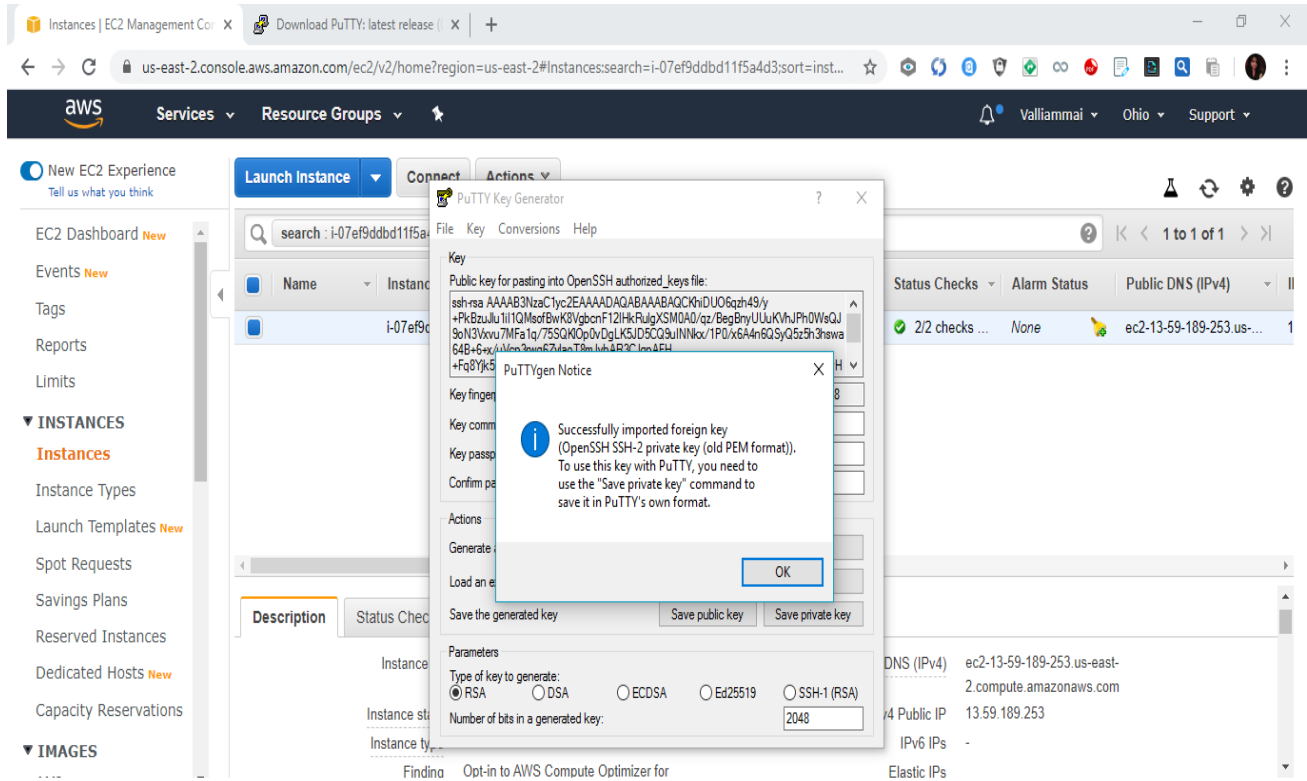
Create a new key pair

**Key pair name** anitha [Download Key Pair](#)

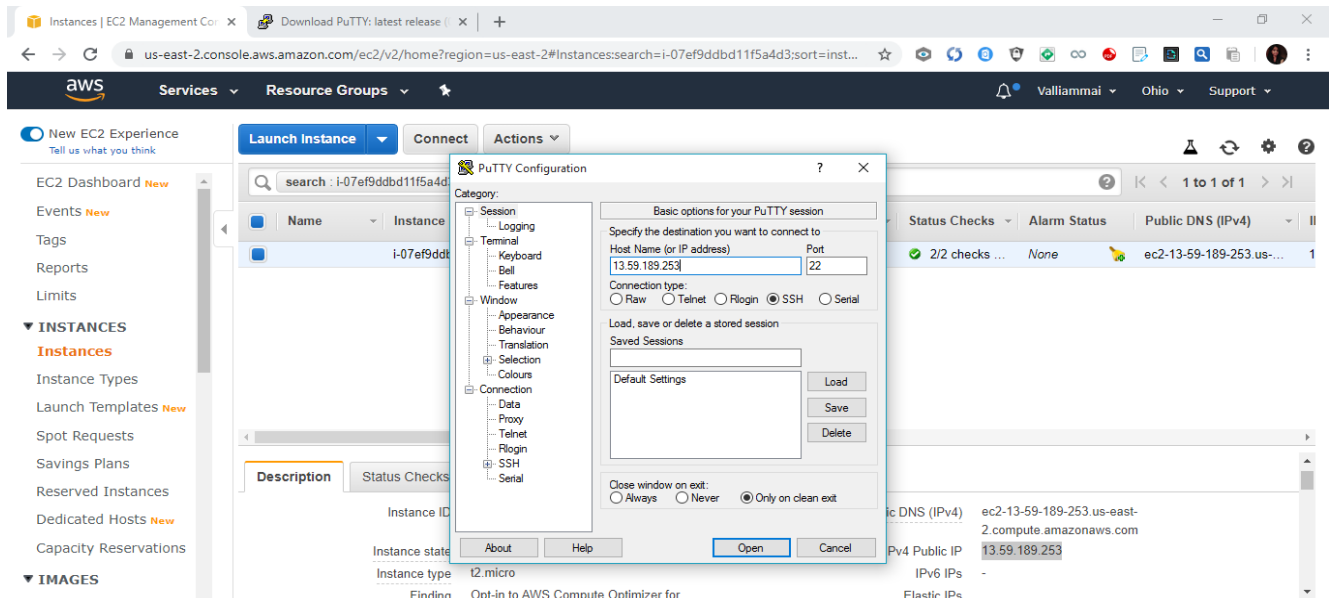
You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

[Cancel](#) [Launch Instances](#) [Launch](#)

## 6) PuTTYgen conversion from pem to ppk



## 7) Logged in EC2 black screen





Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3:sort=inst...

Services Resource Groups

New EC2 Experience

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Actions

search: i-07ef9ddb11f5a4d3

Name Instance

i-07ef9ddb11f5a4d3

Description

Status Checks

Instance ID

Instance state

Instance type

Find

Opt-in to AWS Compute Optimizer for

PuTTY Configuration

Category:

Features

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Key

Host keys

Cipher

Auth

TTY

X11

Tunnels

Bugs

More bugs

Options controlling SSH authentication

☒ Display pre-authentication banner (SSH-2 only)

☐ Bypass authentication entirely (SSH-2 only)

Authentication methods

☒ Attempt authentication using Pageant

☐ Attempt TIS or CryptoCard auth (SSH-1)

☒ Attempt "keyboard-interactive" auth (SSH-2)

Authentication parameters

☐ Allow agent forwarding

☐ Allow attempted changes of username in SSH-2

Private key file for authentication:

C:\Users\welcome\from\_Mobile\Favorite

Browse...

About Help Open Cancel

Status Checks

Alarm Status

Public DNS (IPv4)

2/2 checks ... None

ec2-13-59-189-253.us-east-2.compute.amazonaws.com

Static DNS (IPv4)

ec2-13-59-189-253.us-east-2.compute.amazonaws.com

Pv4 Public IP

13.59.189.253

IPv6 IPs

-

Elastic IPs

Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3:sort=inst...

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Instance ID

Instance state

Instance type

Find

Opt-in to AWS Compute Optimizer for

Public DNS (IPv4)

ec2-13-59-189-253.us-east-2.compute.amazonaws.com

IPv4 Public IP

13.59.189.253

IPv6 IPs

-

Elastic IPs

ec2-user@ip-172-31-36-117:~

login as: ec2-user

Authenticating with public key "imported-openssh-key"

```
 _ _ _ _ _
| | | | |
|_|_|_|_|_|_ Amazon Linux 2 AMI

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-172-31-36-117 ~]$ sudo yum install httpd
```

Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3;sort=inst...

**Services** **Resource Groups**

**ec2-user@ip-172-31-36-117:~**

```
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
Verifying : httpd-2.4.41-1.amzn2.0.1.x86_64 3/9
Verifying : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch 4/9
Verifying : mod_http2-1.15.3-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 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-filesystem.noarch 0:2.4.41-1.amzn2.0.1
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-172-31-36-117 ~]$
```

Instance ID	Instance state	Instance type	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Elastic IPs
i-07ef9ddb11f5a4d3	running	t2.micro	ec2-13-59-189-253.us-east-2.compute.amazonaws.com	13.59.189.253	-	-

Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3;sort=inst...

**Services** **Resource Groups**

**ec2-user@ip-172-31-36-117:~**

```
Verifying : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch 4/9
Verifying : mod_http2-1.15.3-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 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-filesystem.noarch 0:2.4.41-1.amzn2.0.1
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-172-31-36-117 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-36-117 ~]$ sudo service httpd status
```

Instance ID	Instance state	Instance type	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Elastic IPs
i-07ef9ddb11f5a4d3	running	t2.micro	ec2-13-59-189-253.us-east-2.compute.amazonaws.com	13.59.189.253	-	-

Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3;sort=inst...

Services Resource Groups

ec2-user@ip-172-31-36-117:~

```
[ec2-user@ip-172-31-36-117 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-36-117 ~]$ sudo service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2020-04-01 05:35:13 UTC; 44s ago
     Docs: man:httpd.service(8)
   Main PID: 32545 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
   CGroup: /system.slice/httpd.service
           └─32545 /usr/sbin/httpd -DFOREGROUND
             └─32546 /usr/sbin/httpd -DFOREGROUND
               └─32547 /usr/sbin/httpd -DFOREGROUND
                 └─32548 /usr/sbin/httpd -DFOREGROUND
                   └─32549 /usr/sbin/httpd -DFOREGROUND
                     └─32550 /usr/sbin/httpd -DFOREGROUND
```

Instance ID: i-07ef9ddb11f5a4d3

Instance state: running

Instance type: t2.micro

Public DNS (IPv4): ec2-13-59-189-253.us-east-2.compute.amazonaws.com

IPv4 Public IP: 13.59.189.253

IPv6 IPs: -

Elastic IPs: -

Instances | EC2 Management Console | Download PuTTY: latest release

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-07ef9ddb11f5a4d3;sort=inst...

Services Resource Groups

ec2-user@ip-172-31-36-117:~

```
This is an AWS webinar
```

-- INSERT --

Instance ID: i-07ef9ddb11f5a4d3

Instance state: running

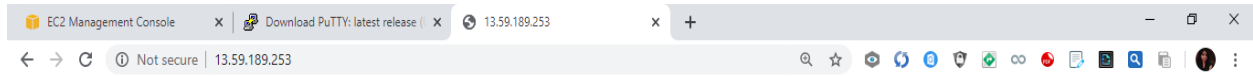
Instance type: t2.micro

Public DNS (IPv4): ec2-13-59-189-253.us-east-2.compute.amazonaws.com

IPv4 Public IP: 13.59.189.253

IPv6 IPs: -

Elastic IPs: -

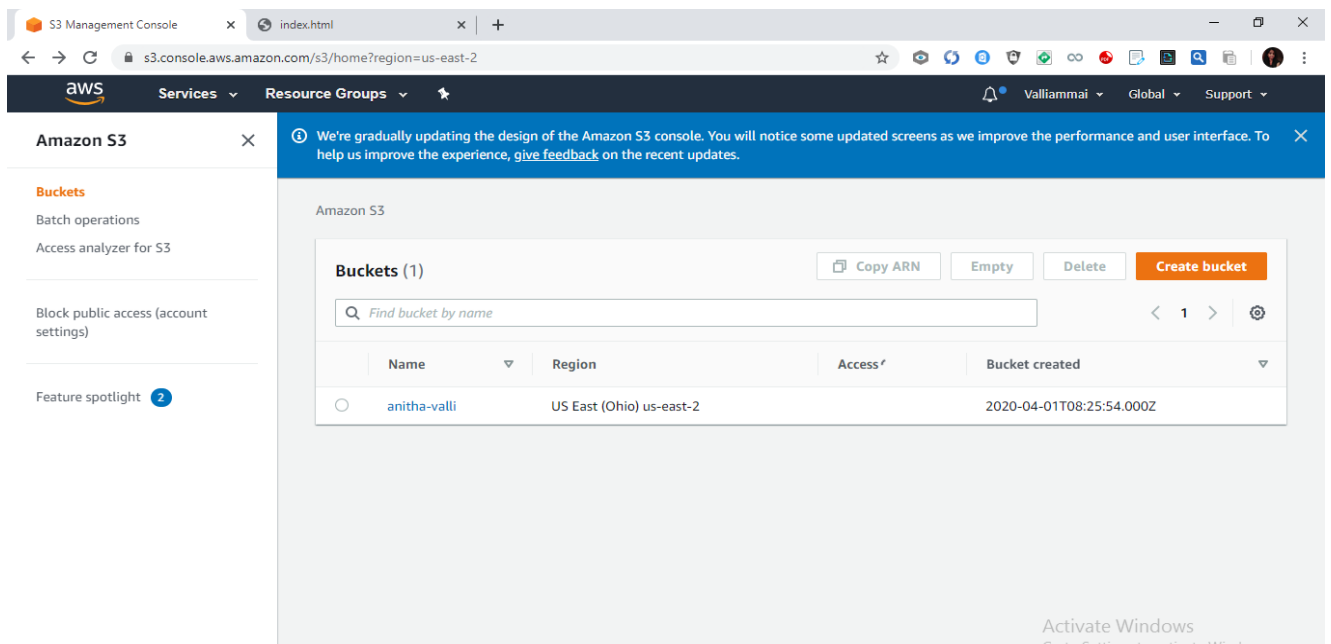


This is an AWS webinar

Activate Windows

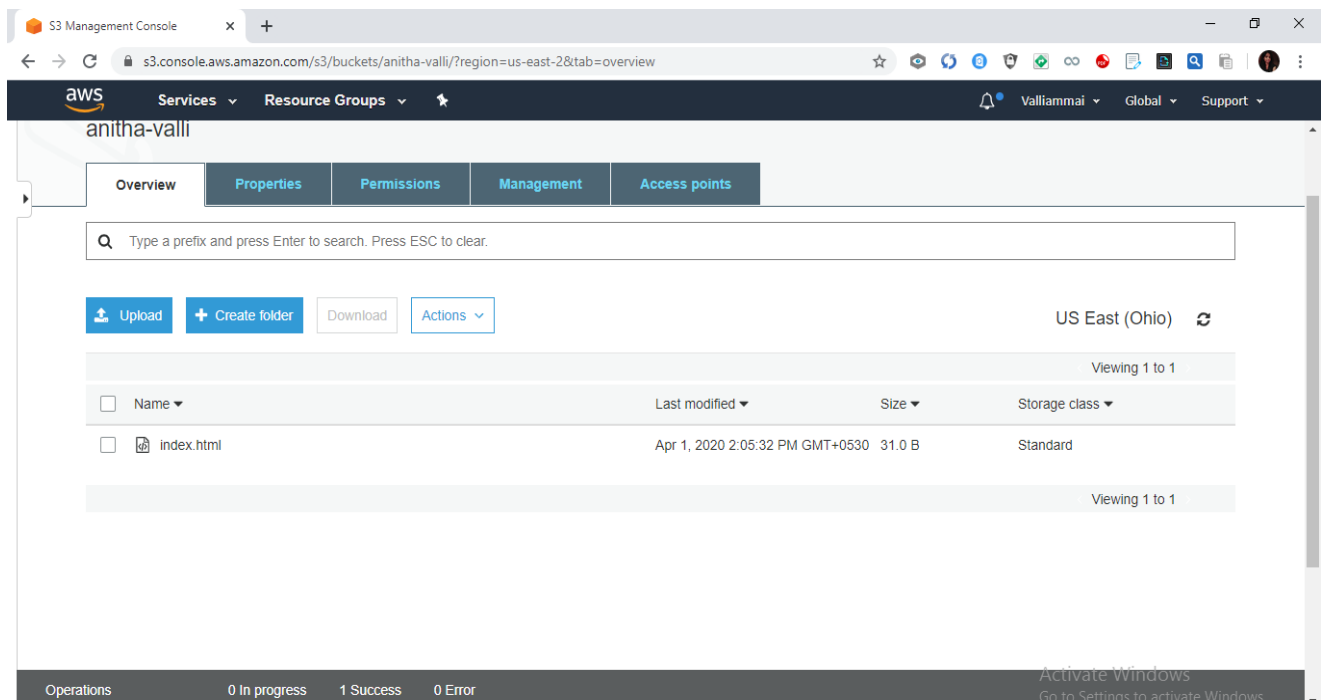
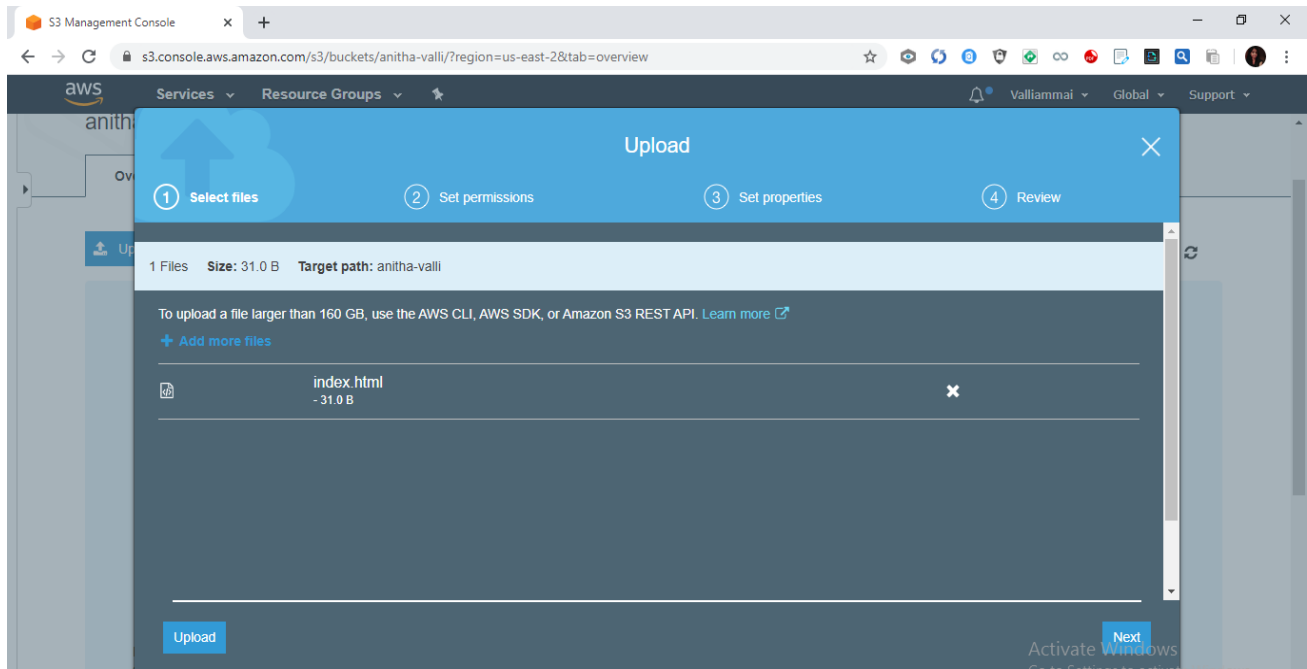
## Screenshots needed for S3

### 1)Creating a bucket

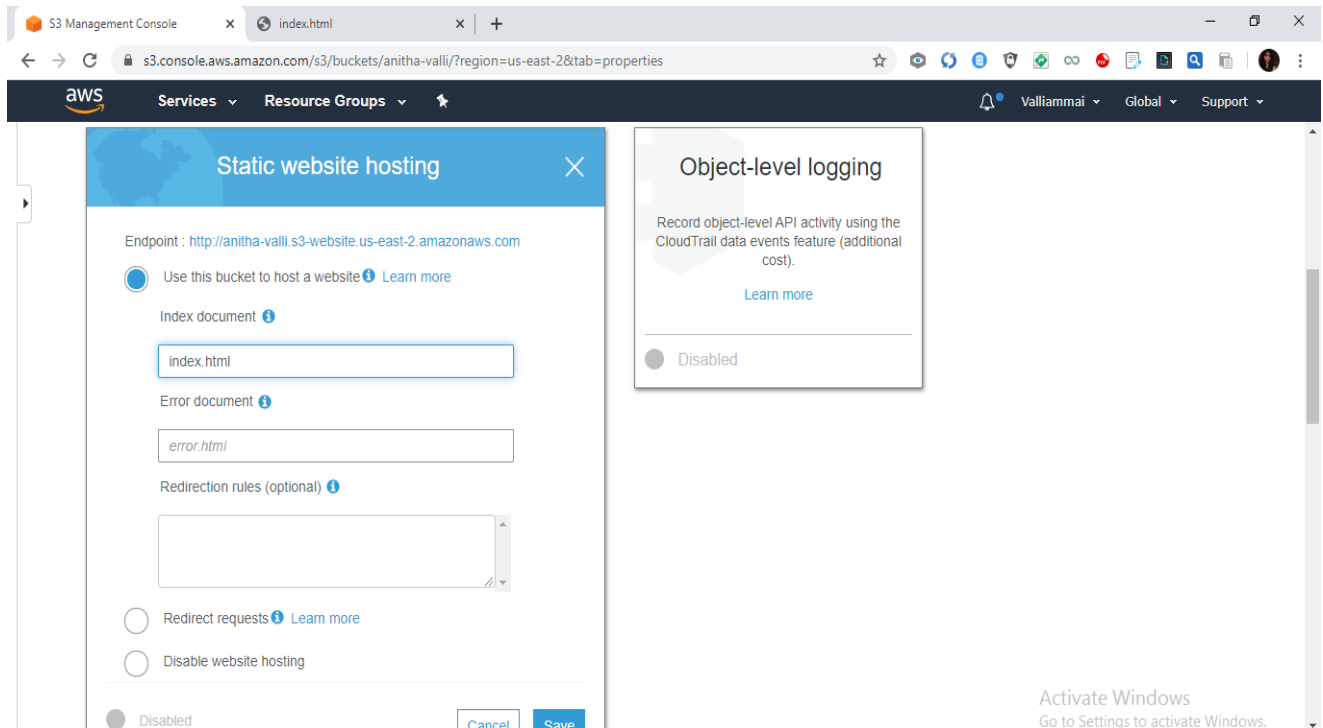


Activate Windows  
Go to Settings to activate Windows.

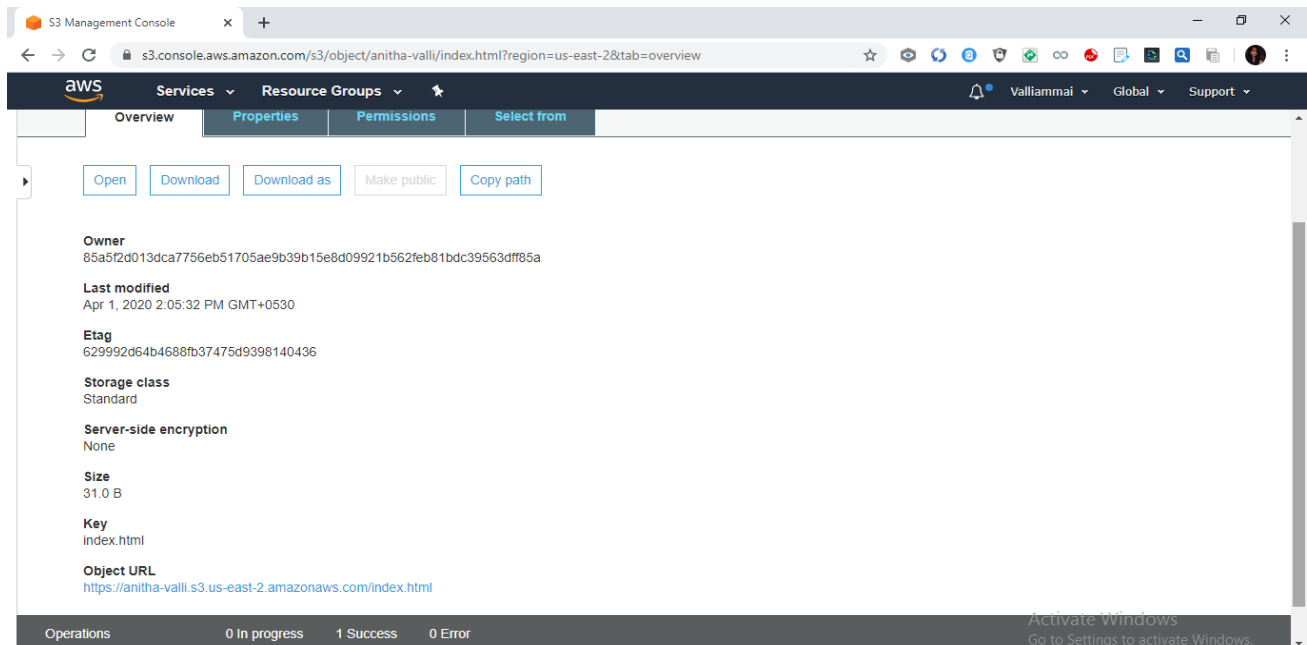
## 2)Uploading an Object



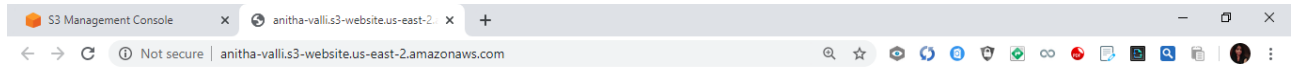
### 3)Enabling Static Website



### 4)Making the Object Public



## 5)Checking the S3 link on the browser

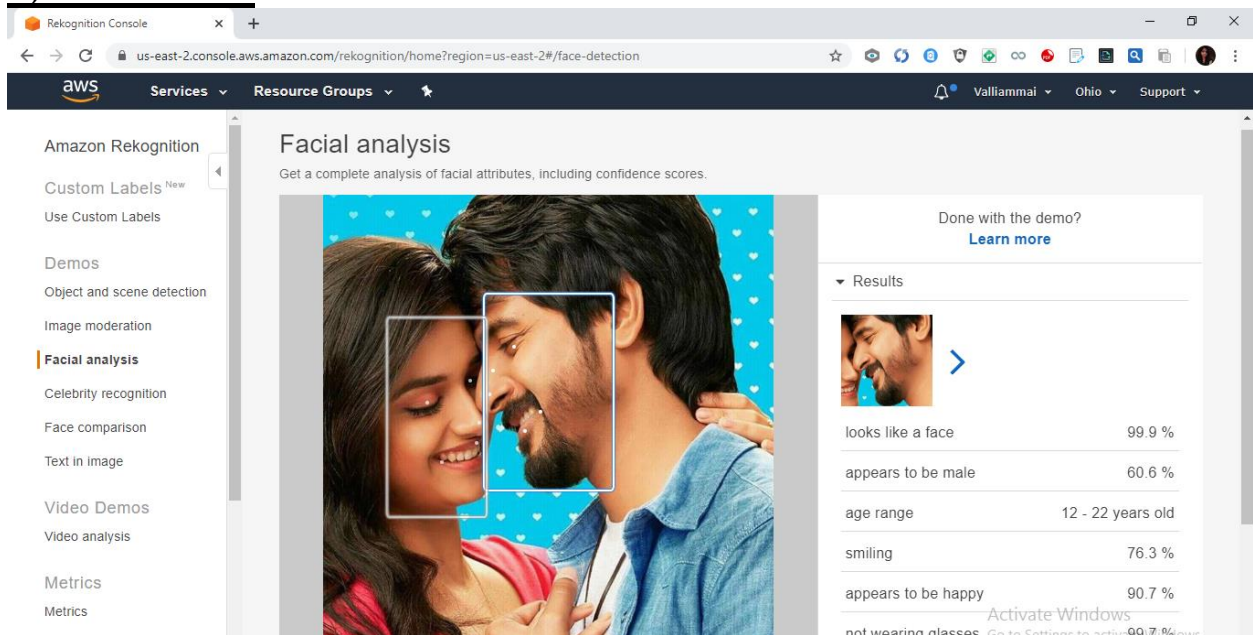


Some happiness are worth hiding

Activate Windows  
Go to Settings to activate Windows.

## Screenshots needed for Rekognition

### 1)Face Detect



## 2)Face Compare

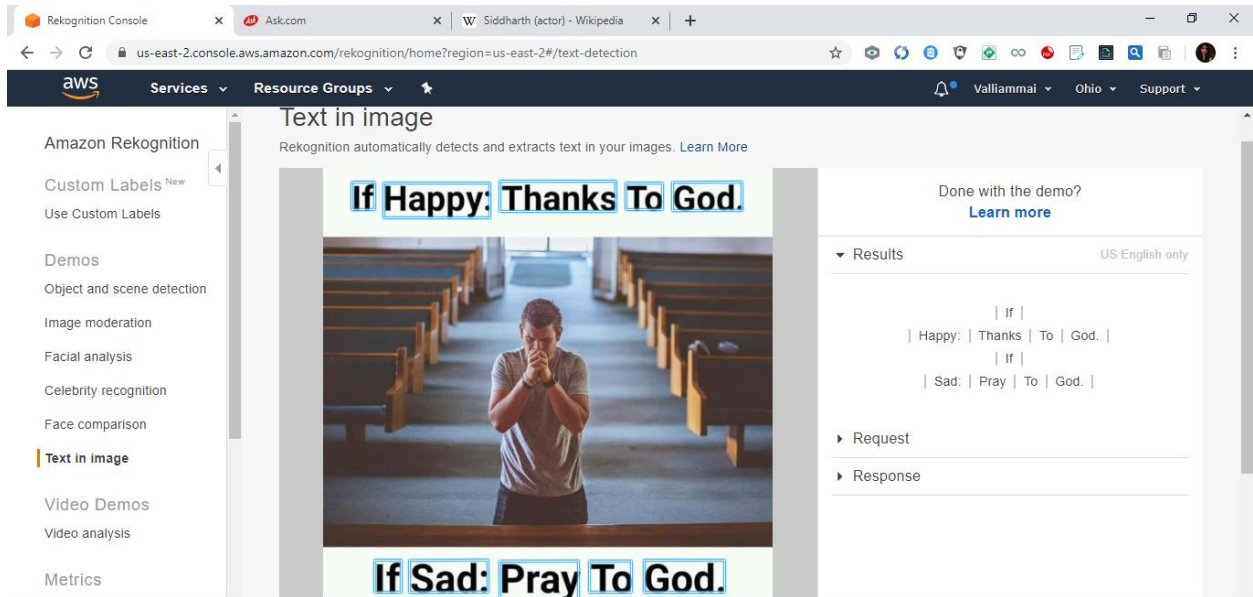
The screenshot displays the AWS Rekognition console's 'Face comparison' page. The left sidebar lists various services, with 'Face comparison' highlighted. The main area shows two large image upload boxes, each with a 'Choose a sample image' prompt and a small thumbnail preview. To the right, the 'Results' section displays three comparison outcomes: a high similarity match (99.8%) between two identical images, and two non-matches between different images, each marked with a '≠' symbol. A 'Learn more' link is positioned above the results.

## 3)Celebrity Recognition

The screenshot shows the AWS Rekognition console's 'Celebrity recognition' page. The left sidebar highlights 'Celebrity recognition'. The main area features a large image upload box with a 'Choose a sample image' prompt and a thumbnail preview of a man's face. To the right, the 'Results' section shows a successful match for 'Siddharth' with a 'Match confidence' of 100%. A 'Learn More' link is provided next to the name. Below the results, there are expandable sections for 'Request' and 'Response'. A 'Done with the demo? Learn more' link is located at the top right of the results area.

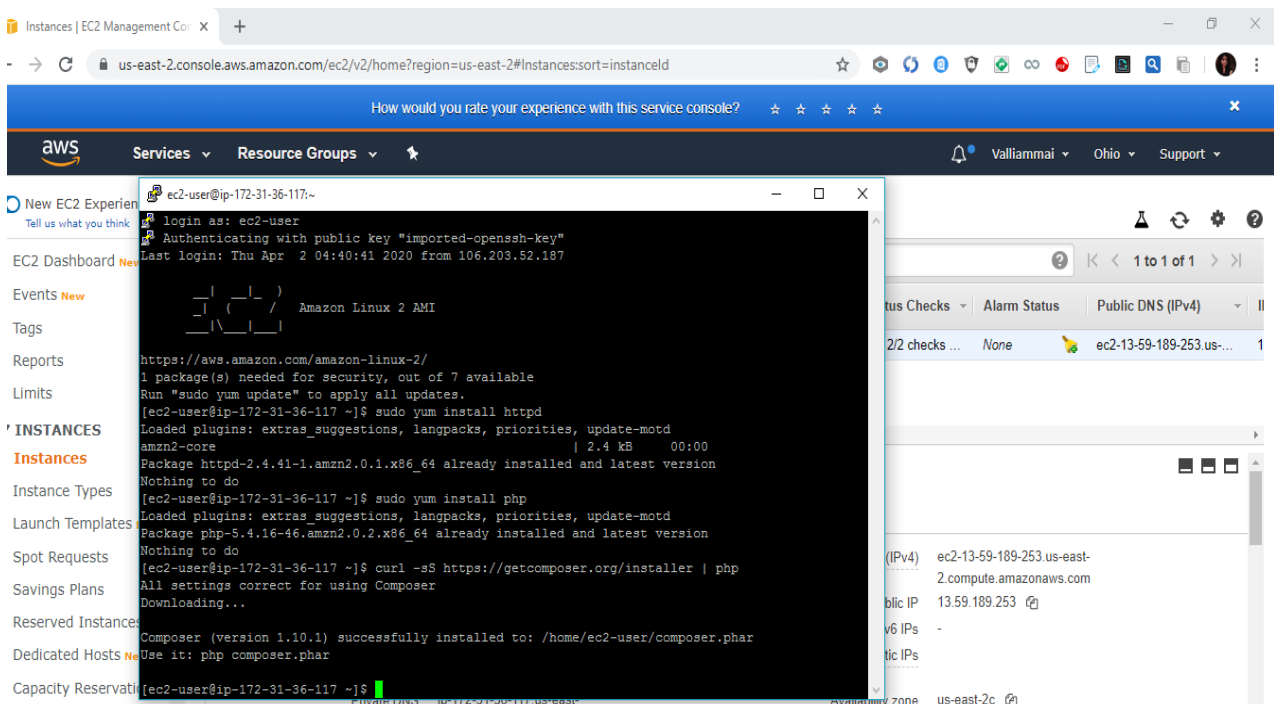


## 4)Text in Image



## Screenshots needed for EC2 & S3

### 1)Installing aws-sdk



Instances | EC2 Management Console

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

How would you rate your experience with this service console?

aws Services Resource Groups

Valliammai Ohio Support

New EC2 Experience

EC2 Dashboard

Events

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▼ INSTANCES

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Capacity Reservations

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```
ec2-user@ip-172-31-36-117:/var/www/html/face$ 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-172-31-36-117 ~]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-36-117 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-36-117 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar

[ec2-user@ip-172-31-36-117 ~]$ cd /var/www/html
[ec2-user@ip-172-31-36-117 html]$ sudo mkdir face
mkdir: cannot create directory 'face': File exists
[ec2-user@ip-172-31-36-117 html]$ cd face
[ec2-user@ip-172-31-36-117 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-36-117 face]$
```

Private DNS ip-172-31-36-117.us-east-2.compute.internal

Public DNS 13.59.189.253

Availability zone us-east-2c

Security groups launch-wizard-1, view inbound rules, view...

Instances | EC2 Management Console

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

How would you rate your experience with this service console?

aws Services Resource Groups

Valliammai Ohio Support

New EC2 Experience

EC2 Dashboard

Events

Tags

Reports

Limits

▼ INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ IMAGES

```
ec2-user@ip-172-31-36-117:/var/www/html/face$ [ec2-user@ip-172-31-36-117 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-36-117 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar

[ec2-user@ip-172-31-36-117 ~]$ cd /var/www/html
[ec2-user@ip-172-31-36-117 html]$ sudo mkdir face
mkdir: cannot create directory 'face': File exists
[ec2-user@ip-172-31-36-117 html]$ cd face
[ec2-user@ip-172-31-36-117 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-36-117 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.8 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
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-36-117 face]$
[ec2-user@ip-172-31-36-117 face]$
```

Private DNS ip-172-31-36-117.us-east-2.compute.internal

Public DNS 13.59.189.253

Availability zone us-east-2c

Security groups launch-wizard-1, view inbound rules, view...

Instances | EC2 Management Console

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

How would you rate your experience with this service console?

aws

ec2-user@ip-172-31-36-117:/var/www/html/face

```
Updating dependencies (including require-dev)
Nothing to install or update
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-36-117 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-03 07:37:26-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 104.18.14.176, 104.18.15.176, 2606:4700::6812:eb0, ...
Connecting to i.pinimg.com (i.pinimg.com)[104.18.14.176]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
100%[=====] 215,551 --.-K/s in 0.03s

[ec2-user@ip-172-31-36-117 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.lock s.jpg
composer.json sample.jpg vendor
[ec2-user@ip-172-31-36-117 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
[ec2-user@ip-172-31-36-117 face]$ ls
composer.json composer.lock sample.jpg s.jpg vendor
[ec2-user@ip-172-31-36-117 face]$
```

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

IMAGES

AMI

Private DNS

Private IPs

Availability zone

Security groups

Status Checks

Alarm Status

Public DNS (IPv4)

2/2 checks ... None

ec2-13-59-189-253.us-east-2.compute.amazonaws.com

13.59.189.253

us-east-2c

launch-wizard-1

Activate Windows

Go to Settings to activate Windows.

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1:03 PM 4/3/2020

## 2)Installing php

Instances | EC2 Management Console

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

How would you rate your experience with this service console?

aws

Services

Resource Groups

ec2-user@ip-172-31-36-117:~

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Apr  2 04:40:41 2020 from 106.203.52.187

 _ _ | _ _ |
 _ | ( _ | /
 _ | \ _ | |
 _ | _ | _ |

Amazon Linux 2 AMI

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-172-31-36-117 ~]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-36-117 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-36-117 ~]$
```

Instances

Instance Types

Launch Templates

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Capacity Reservations

IMAGES

AMI

Private DNS

Private IPs

Availability zone

Security groups

Status Checks

Alarm Status

Public DNS (IPv4)

2/2 checks ... None

ec2-13-59-189-253.us-east-2.compute.amazonaws.com

13.59.189.253

us-east-2c

launch-wizard-1

Activate Windows

Go to Settings to activate Windows.

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1:03 PM 4/3/2020

### 3) index.php file code

The screenshot displays the AWS Management Console with a terminal window open, showing the execution of a PHP script. The script uses the AWS SDK for PHP to upload a file to an S3 bucket. The terminal output shows the upload was successful and provides the object URL.

```
$keyname = 's.jpg';  
$s3 = S3Client::factory([  
    'profile' => 'default',  
    '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'  
    ]);  
  
    // Print the URL to the object.  
    $imageUrl = $result['ObjectURL'];  
    if($imageUrl) {  
        echo "Image upload done... Here is the URL: " . $imageUrl;  
    }  
} catch (Exception $e) {  
    echo $e->getMessage() . PHP_EOL;  
}
```

The background shows the AWS console interface with the left-hand navigation menu and the right-hand details pane for an EC2 instance.

Category	Value
Private DNS	ip-172-31-36-117.us-east-2.compute.internal
Private IPs	172.31.36.117
DNS (IPv4)	ec2-13-59-189-253.us-east-2.compute.amazonaws.com
v4 Public IP	13.59.189.253
IPv6 IPs	-
Elastic IPs	-
Availability zone	us-east-2c
Security groups	launch-wizard-1, view inbound rules, view

## 4) Upload success screenshot

The screenshot displays the AWS Management Console for an EC2 instance. The left sidebar shows the navigation menu with 'INSTANCES' selected. The main content area shows the instance details for 'ec2-user@ip-172-31-36-117/var/www/html/face'. A terminal window is open, showing the command to download a file from a URL and the successful upload of the file to the instance's local storage. The terminal output includes the file size (215,551 bytes) and the upload speed (7.16 MB/s).

**Terminal Output:**

```
ec2-user@ip-172-31-36-117/var/www/html/face$ curl -O https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-03 07:37:26-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 104.18.14.176, 104.18.15.176, 2606:4700::6812:eb0, ...
Connecting to i.pinimg.com (i.pinimg.com)|104.18.14.176|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'

100%[=====] 215,551 --.-K/s in 0.03s

2020-04-03 07:37:26 (7.16 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-36-117 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.lock s.jpg
composer.json sample.jpg vendor
[ec2-user@ip-172-31-36-117 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
[ec2-user@ip-172-31-36-117 face]$ ls
composer.json composer.lock sample.jpg s.jpg vendor
[ec2-user@ip-172-31-36-117 face]$ sudo vim index.php
[ec2-user@ip-172-31-36-117 face]$ sudo php index.php
Image upload done... Here is the URL: https://anitha-valli.s3.us-east-2.amazonaws.com/s.jpg[ec2-user@ip-172-31-36-117 face]$
```

The screenshot shows a terminal window with the following commands and output:

```
ec2-user@ip-172-31-36-117/var/www/html/face$ use it: php composer.phar
[ec2-user@ip-172-31-36-117 ~]$ cd /var/www/html
[ec2-user@ip-172-31-36-117 html]$ sudo mkdir face
mkdir: cannot create directory 'face': File exists
[ec2-user@ip-172-31-36-117 html]$ cd face
[ec2-user@ip-172-31-36-117 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-36-117 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.8 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
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-36-117 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-03 07:37:26-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 104.18.14.176, 104.18.15.176, 2606:4700::6812:eb0, ...
Connecting to i.pinimg.com (i.pinimg.com)|104.18.14.176|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'

100%[=====] 215,551 --.-K/s in 0.03s

2020-04-03 07:37:26 (7.16 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-36-117 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.lock s.jpg
composer.json sample.jpg vendor
[ec2-user@ip-172-31-36-117 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
[ec2-user@ip-172-31-36-117 face]$ ls
composer.json composer.lock sample.jpg s.jpg vendor
[ec2-user@ip-172-31-36-117 face]$ sudo vim index.php
[ec2-user@ip-172-31-36-117 face]$ sudo php index.php
Image upload done... Here is the URL: https://anitha-valli.s3.us-east-2.amazonaws.com/s.jpg[ec2-user@ip-172-31-36-117 face]$
```

S3 Management Console

s3.console.aws.amazon.com/s3/buckets/anitha-valli/?region=us-east-2

anitha-valli

Overview Properties Permissions Management Access points

Q Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions

US East (Ohio)

Viewing 1 to 2

Name	Last modified	Size	Storage class
index.html	Apr 1, 2020 2:05:32 PM GMT+0530	31.0 B	Standard
s.jpg	Apr 3, 2020 1:21:06 PM GMT+0530	210.5 KB	Standard

Viewing 1 to 2

S3 Management Console

s3.console.aws.amazon.com/s3/object/anitha-valli/s.jpg?region=us-east-2&tab=overview

Open Download Download as Make public Copy path

**Owner**  
85a5f2d013dca7756eb51705ae9b39b15e8d09921b562feb81bdc39563dff85a

**Last modified**  
Apr 3, 2020 1:21:06 PM GMT+0530

**Etag**  
5715388228d652105c7ac4331a990052

**Storage class**  
Standard

**Server-side encryption**  
None

**Size**  
210.5 KB

**Key**  
s.jpg

**Object URL**  
<https://anitha-valli.s3.us-east-2.amazonaws.com/s.jpg>

