

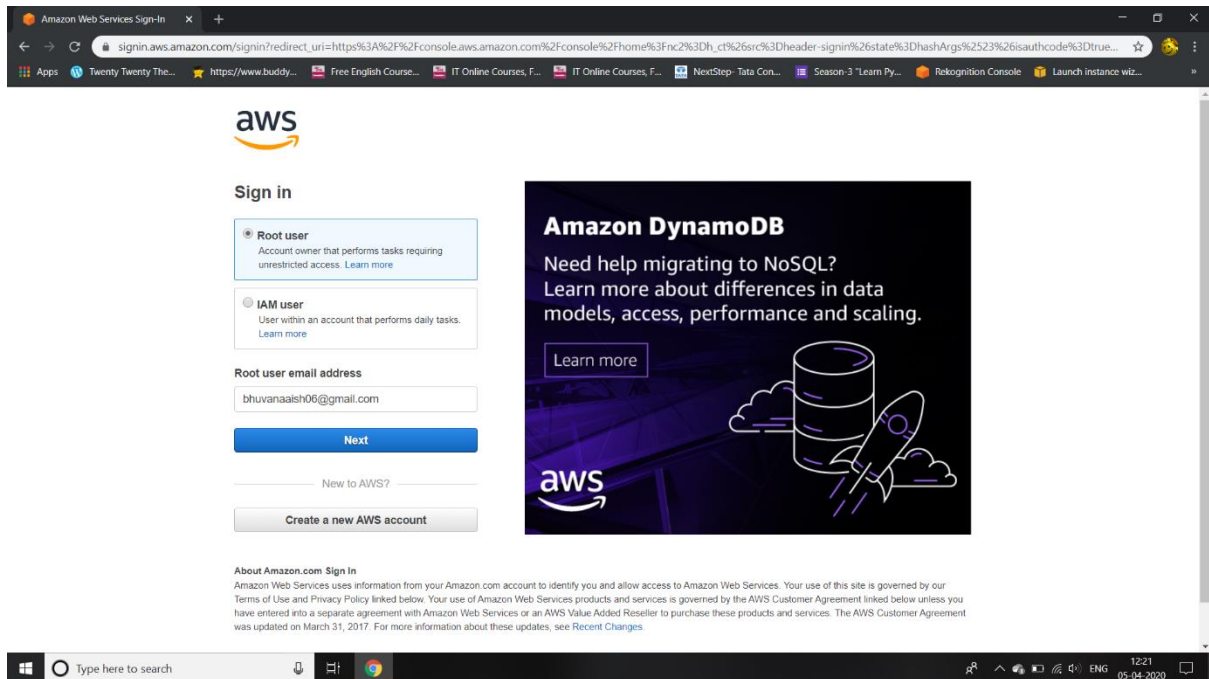
AWS PROJECT

NAME:AISHWARYA MV

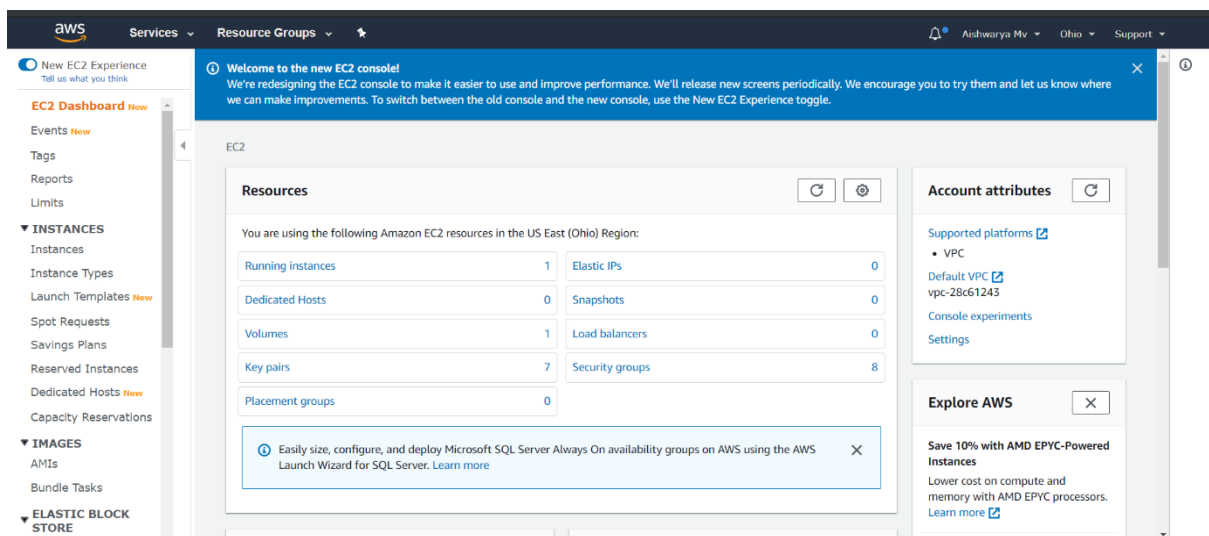
Email id: bhuvanaaish06@gmail.com

SCREENSHOTS OF DASHBOARDS

1.AWS LOGIN SCREEN WITH USERNAME



2. EC2 DASHBOARD



3. S3 DASHBOARD

The screenshot shows the Amazon S3 console interface. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information. A notification banner at the top 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 contains the 'Amazon S3' section with links to 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'.

The main content area is titled 'Amazon S3' and displays 'Buckets (2)'. It includes a search bar 'Find bucket by name', a table of buckets, and buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'.

Name	Region	Access	Bucket created
aws-coding-aish	US East (Ohio) us-east-2	Objects can be public	2020-04-03T06:47:17.000Z
aws-webinar-ethn	US East (Ohio) us-east-2	Objects can be public	2020-04-04T13:00:40.000Z

4.REKOGNITION DASHBOARD

The screenshot shows the Amazon Rekognition dashboard. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. A notification banner at the top states: 'We're gradually updating the design of the Amazon Rekognition 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 contains the 'Amazon Rekognition' section with links to 'Custom Labels', 'Use Custom Labels', 'Demos', 'Object and scene detection', '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 subtitle 'Deep learning-based visual analysis service'. It includes a 'Try Demo' button and a 'Download SDKs' link. Below the hero section, there are three columns of content:

- Easily Integrate Powerful Visual Analysis into Your App**: You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building...
- Continuously Learning**: Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.
- Integrated with AWS Services**: Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3.

The footer contains a 'Feedback' button, 'English (US)' language selector, and copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

SCREENSHOTS OF EC2

1.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**
- AWS Marketplace**
- Community AMIs**
- ☐ Free tier only ⓘ

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)

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

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8

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

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

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

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

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2.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](#)

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
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

3.ADDING STORAGE

aws

Services

Resource Groups

🔔

Aishwarya Mv

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

4.CONFIGURING SECURITY GROUP

aws

Services

Resource Groups

🔔

Aishwarya Mv

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-2

Description: launch-wizard-2 created 2020-04-02T22:25:30.808+05:30

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

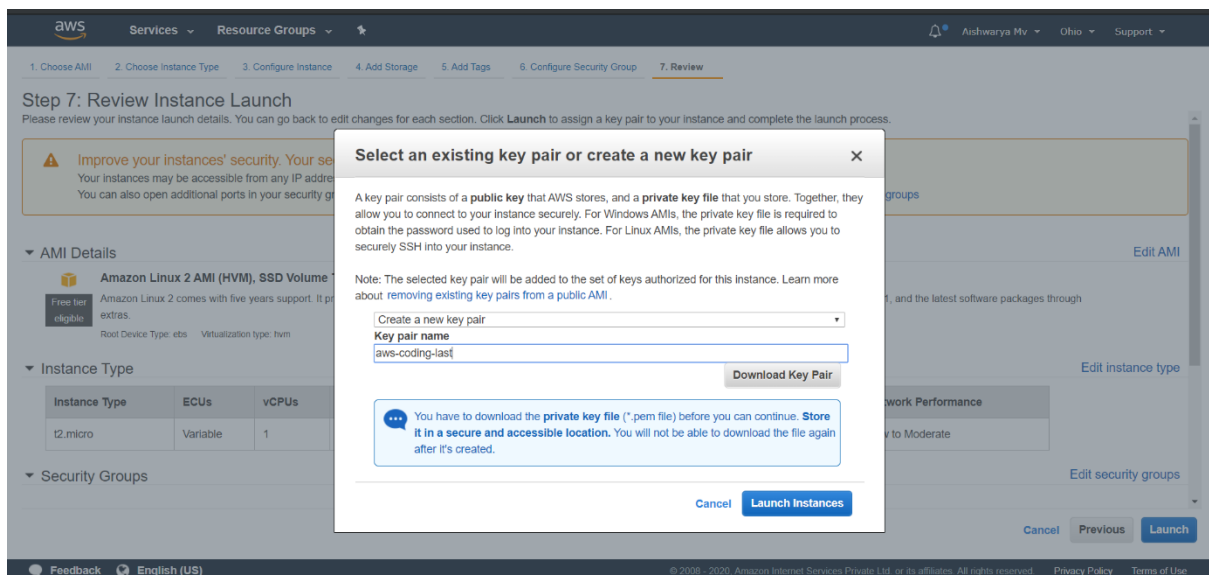
Add Rule

Warning

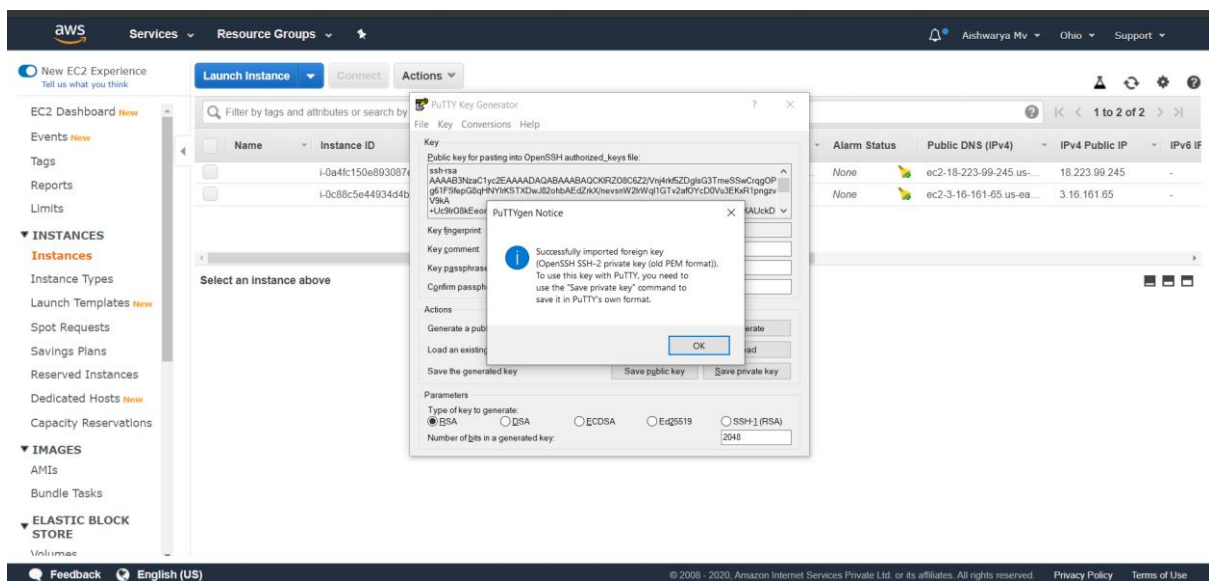
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

CancelPreviousReview and Launch

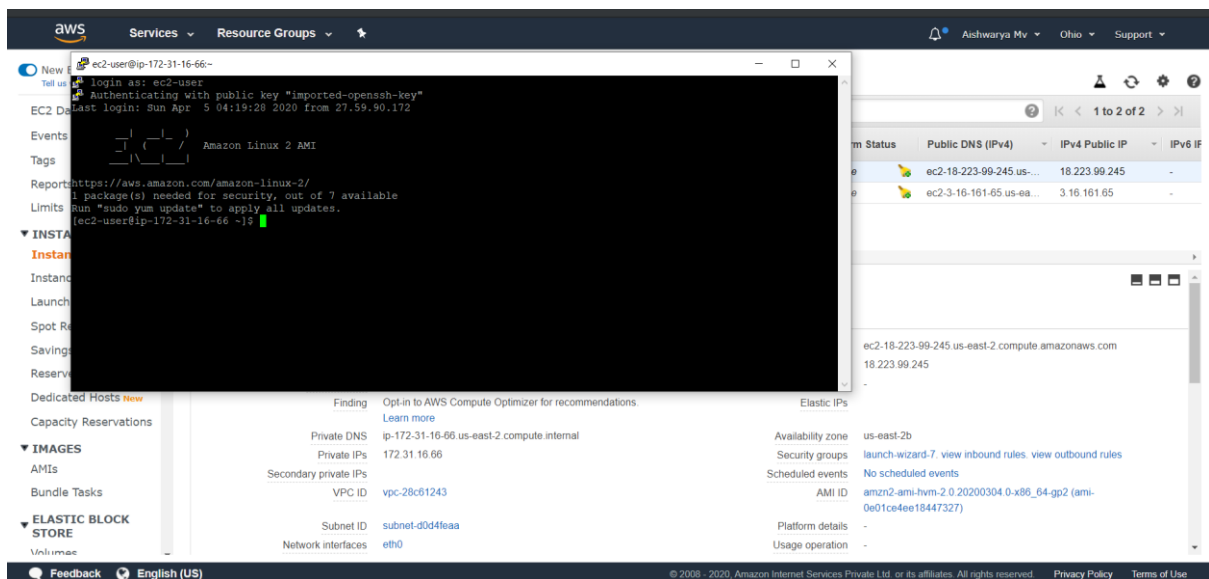
5.KEY PAIR DOWNLOAD



6. PuTTYgen conversion from pem to ppk

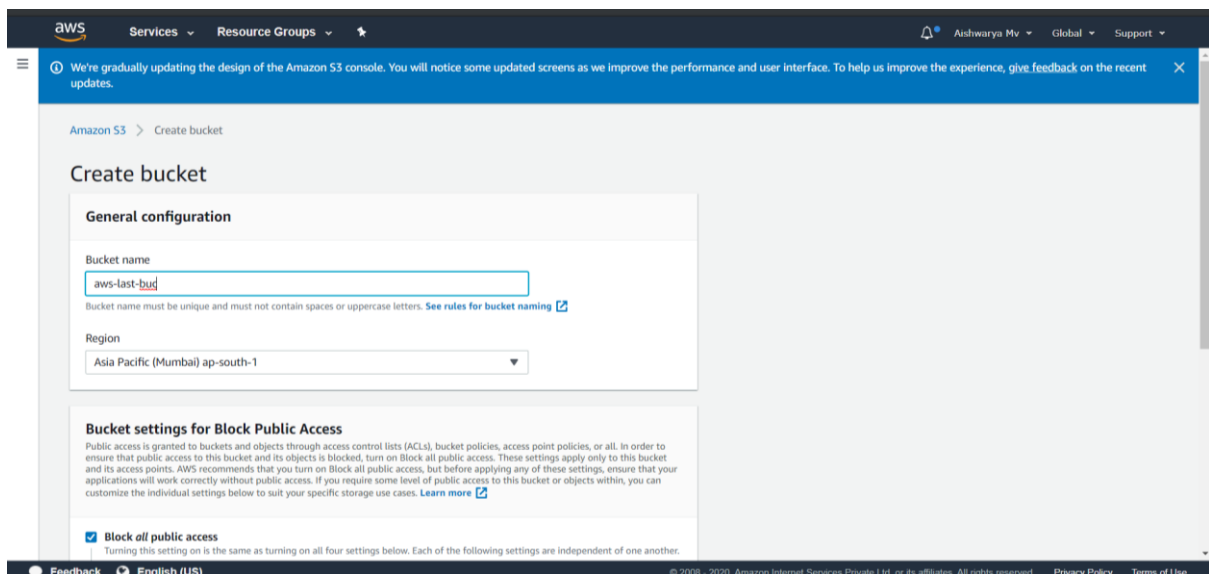


7.LOGGED IN EC2 BLACK SCREEN

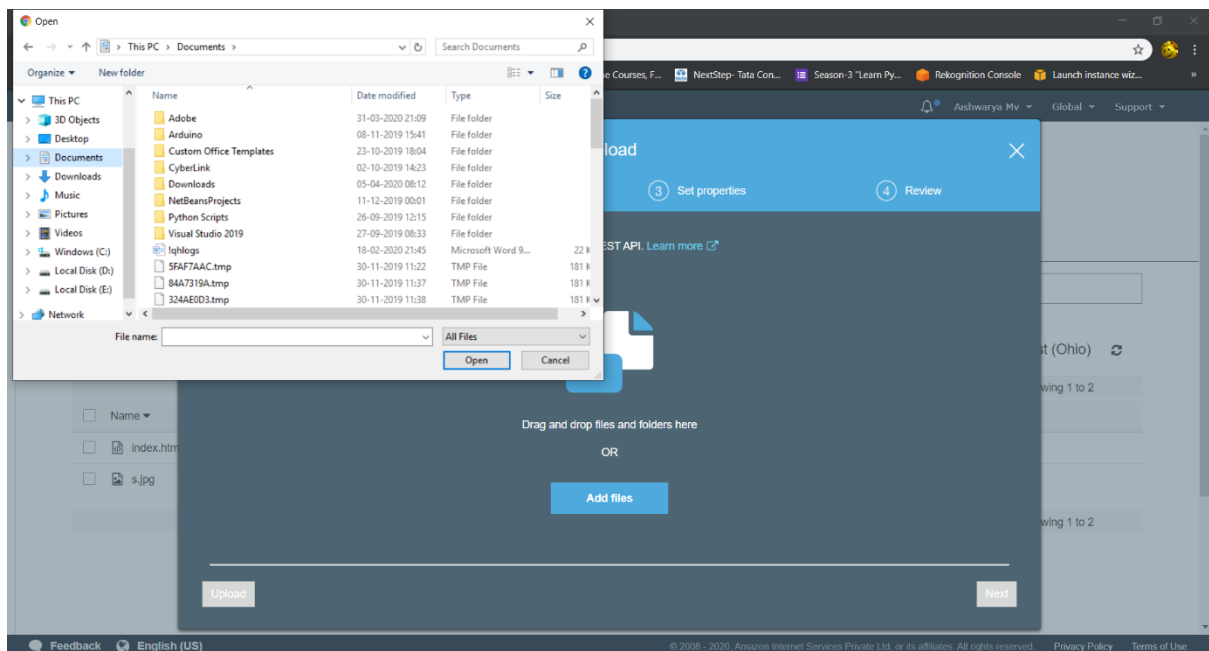


SCREENSHOTS OF S3

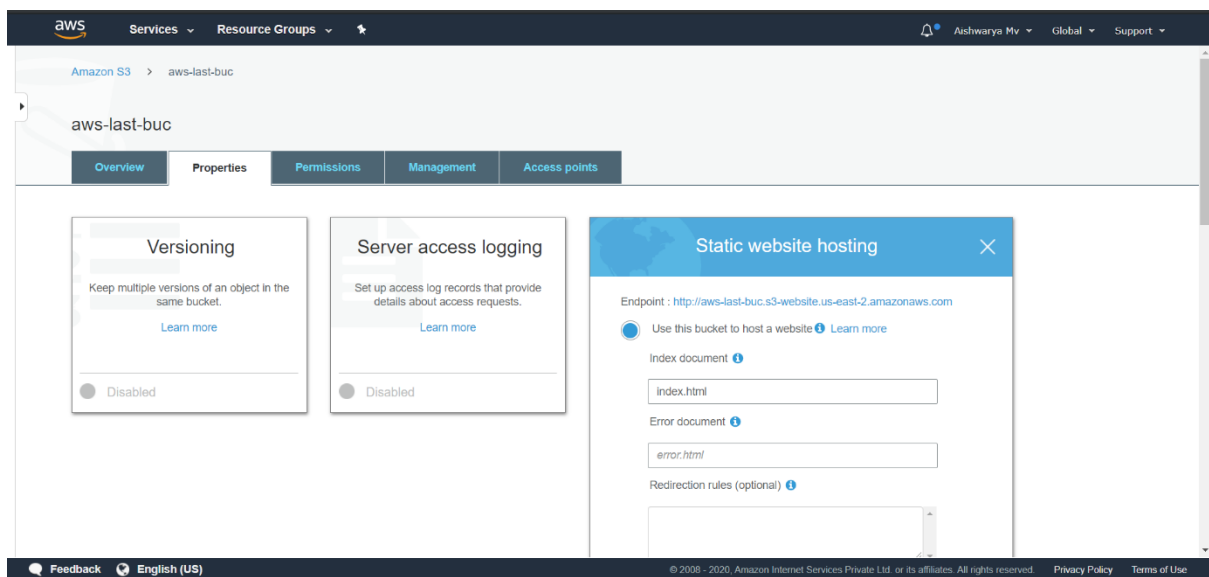
1.CREATING A BUCKET



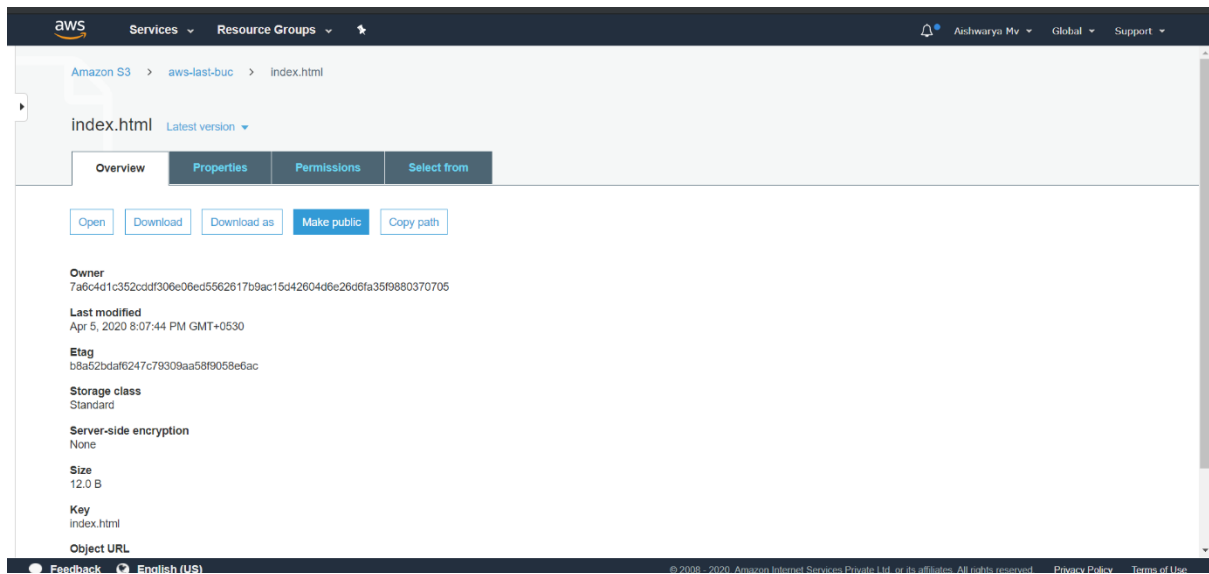
2. UPLAODING AN OBJECT



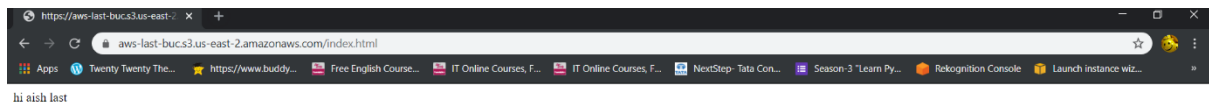
3. ENABLING STATIC WEBSITE



4.MAKING THE OBJECT PUBLIC



5.CHECKING THE S3 LINK TO THE BROWSER



SCREENSHOTS OF REKOGNITION

1.FACE DETECT

The screenshot shows the Amazon Rekognition console interface. On the left is a navigation menu with options like Custom Labels, Demos, and Facial analysis. The main area is titled 'Facial analysis' and includes a description: 'Get a complete analysis of facial attributes, including confidence scores.' Below this is a large image of a woman driving a yellow car, with a white bounding box around her face. To the right of the image is a 'Results' section showing various attributes and their confidence scores.

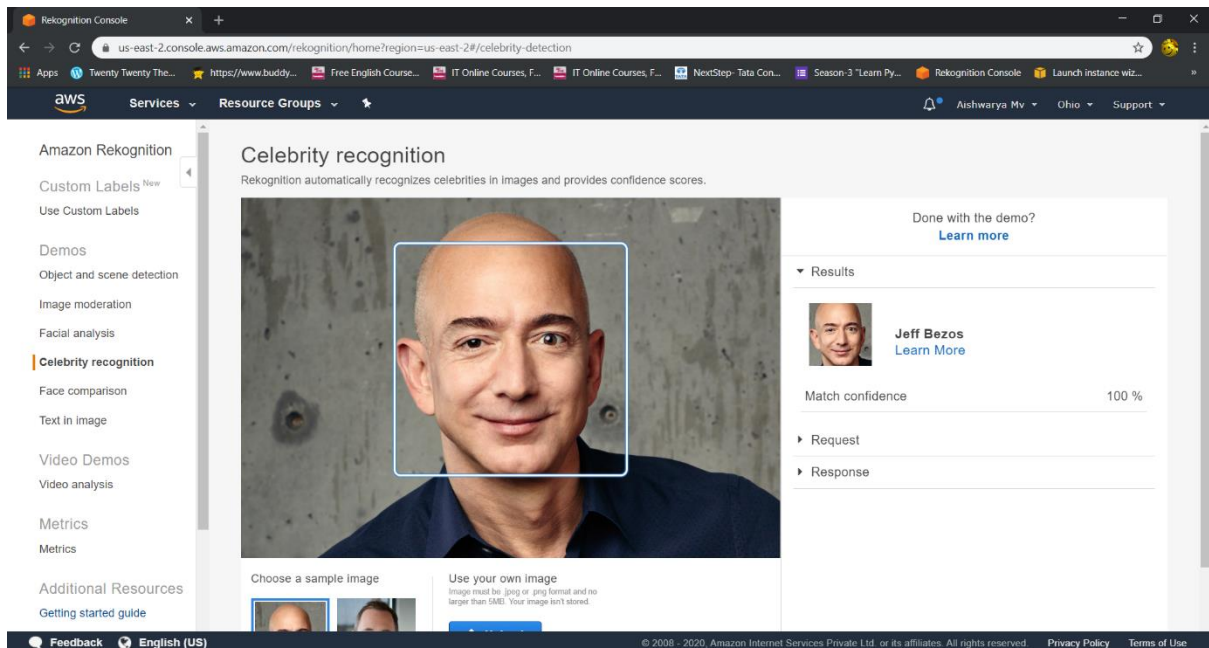
Attribute	Confidence Score
looks like a face	99.9 %
appears to be female	99.9 %
age range	17 - 29 years old
smiling	91.7 %
appears to be happy	99.5 %
wearing glasses	99.8 %

2.FACE COMPARE

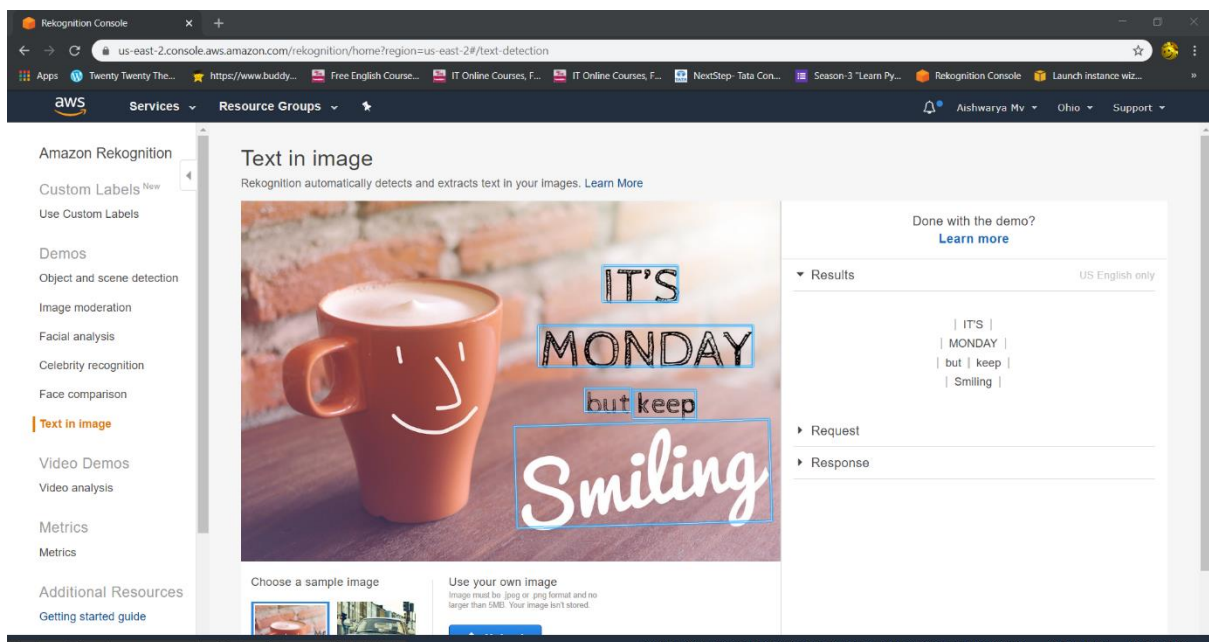
The screenshot shows the Amazon Rekognition console interface for the 'Face comparison' demo. The main area is titled 'Face comparison' and includes a description: 'Compare faces to see how closely they match based on a similarity percentage.' Below this are two image selection areas: 'Reference face' and 'Comparison faces'. To the right is a 'Results' section showing the similarity percentage between the selected faces.

Reference face	Comparison faces	Similarity
		99.8 %
		99.8 %
		99.8 %

3.CELEBRITY RECOGNITION

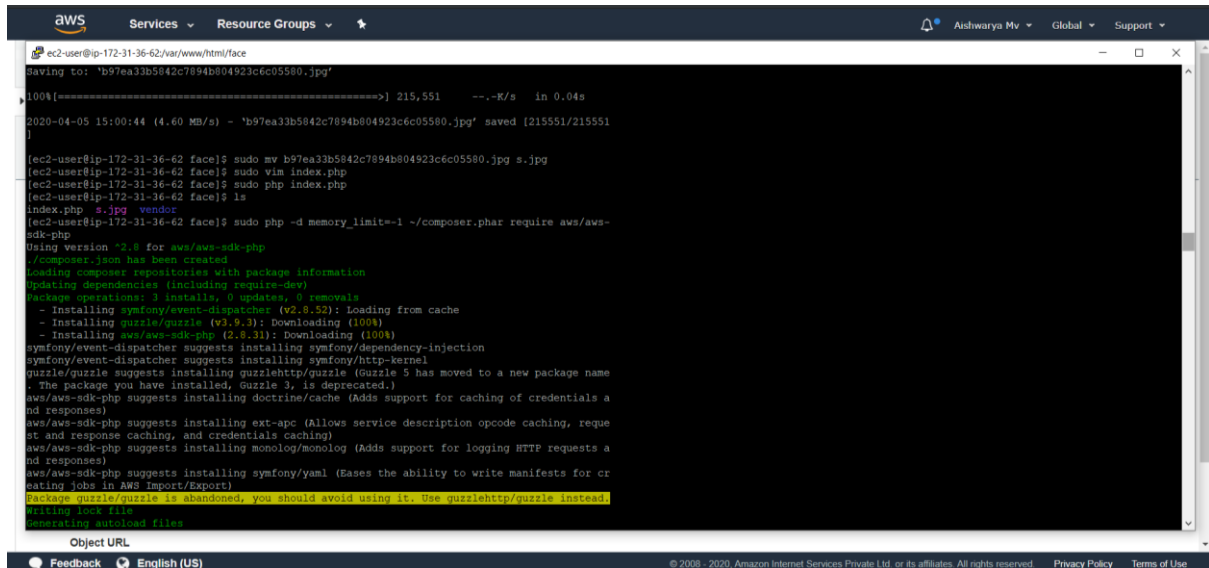


4.TEXT IN IMAGE



SCREENSHOTS OF EC2 & S3

1.INSTALLING AWS-SDK

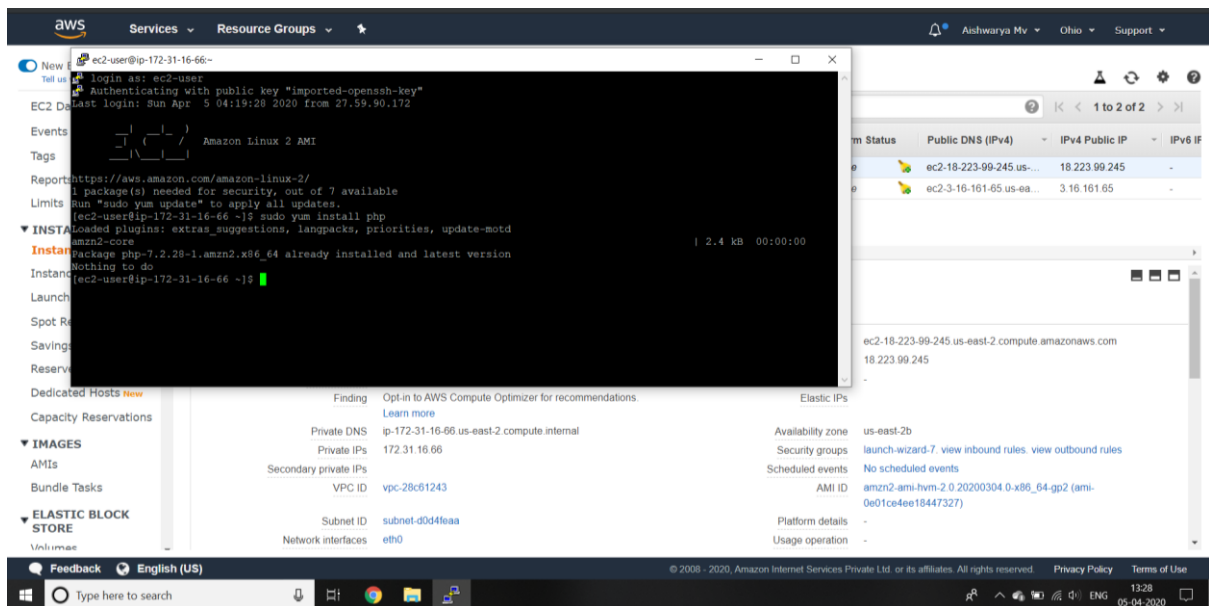


```
aws
Services Resource Groups
Aishwarya Mv Global Support

ec2-user@ip-172-31-36-62:/var/www/html/face
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
100%[=====] 215,551  --.-R/s  in 0.04s
2020-04-05 15:00:44 (4.60 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-36-62 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
[ec2-user@ip-172-31-36-62 face]$ sudo vim index.php
[ec2-user@ip-172-31-36-62 face]$ sudo php index.php
[ec2-user@ip-172-31-36-62 face]$ ls
index.php s.jpg vendor
[ec2-user@ip-172-31-36-62 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 created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
  - Installing symfony/event-dispatcher (v2.8.52): Loading from cache
  - Installing guzzle/guzzle (v3.9.3): Downloading (100%)
  - Installing aws/aws-sdk-php (2.4.33): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/dependency-injection
symfony/event-dispatcher suggests installing symfony/http-kernel
guzzle/guzzle suggests installing guzzlehttp/guzzle (Guzzle 5 has moved to a new package name
  - The package you have installed, Guzzle 3, is deprecated.)
aws/aws-sdk-php suggests installing doctrine/cache (Adds support for caching of credentials a
nd responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode caching, requ
st and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests a
nd responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for cr
eating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
```

2.INSTALLING PHP



aws
Services Resource Groups
Aishwarya Mv Ohio Support

EC2 Details: ec2-user@ip-172-31-16-66-
login as: ec2-user
Authenticating with public key "imported-openssh-key"
EC2 Default login: Sun Apr 5 04:19:28 2020 from 27.59.90.172

Events
Tags
Report: https://aws.amazon.com/amazon-linux-2/
Limits: 1 package(s) needed for security, out of 7 available
Limits: Run "sudo yum update" to apply all updates.
Limits: (ec2-user@ip-172-31-16-66 ~)\$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
INSTALLED
Package php-7.2.28-1.amzn2.x86_64 already installed and latest version
Nothing to do
Instance: (ec2-user@ip-172-31-16-66 ~)\$

Launch
Spot Re
Savings
Reserv
Dedicated Hosts
Capacity Reservations

IMAGES
AMIs
Bundle Tasks

ELASTIC BLOCK
STORE
Unlabeled

Private DNS
Private IPs
Secondary private IPs
VPC ID
Subnet ID
Network interfaces

Opt-in to AWS Compute Optimizer for recommendations
Learn more
ip-172-31-16-66 us-east-2 compute internal
172.31.16.66
vpc-28c61243
subnet-d044f6aa
eth0

Elastic IPs
Availability zone
Security groups
Scheduled events
AMI ID
Platform details
Usage operation

us-east-2b
launch-wizard-7: view inbound rules. view outbound rules
No scheduled events
ami-0e01ce4ee18447327
-

ec2-18-223-99-245 us-east-2 compute.amazonaws.com
18.223.99.245
-

Feedback English (US)
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Type here to search
13:28
05-04-2020

3. INDEX.PHP FILE CODE

```
aws
Services Resource Groups
ec2-user@ip-172-31-36-62:/var/www/html/face
$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg

Incase if you are getting any class NOT found error, follow these steps

$ sudo yum remove php*
$ sudo yum remove httpd*
$ sudo yum clean all
$ sudo yum upgrade -y
$ sudo amazon-linux-extras install php7.2
$ sudo yum install php-json php-xsl php-cli php-mbstring
$ sudo yum install httpd

//
// error_reporting(0);
require_once( __DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-last-buc';
$keyname = 's.jpg';

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

try {
    // upload data.
    $result = $s3->putObject([
        -- INSERT --
    ]
    );
} catch (Exception $e) {
    echo "Error: " . $e->getMessage();
}

// Print the object URL
echo "Object URL: " . $result->get('ObjectURL') . "\n";
}
```

4. UPLOAD SUCCESS SCREENSHOT

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight

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.

ec2-user@ip-172-31-36-62:/var/www/html/face

```
ec2-user@ip-172-31-36-62:/var/www/html/face$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
ec2-user@ip-172-31-36-62:/var/www/html/face$ sudo php index.php
Image upload done... Here is the URL: https://aws-last-buc.s3.us-east-2.amazonaws.com/s.jpg
```

Create bucket

bucket created

20-04-03T06:47:17.000Z

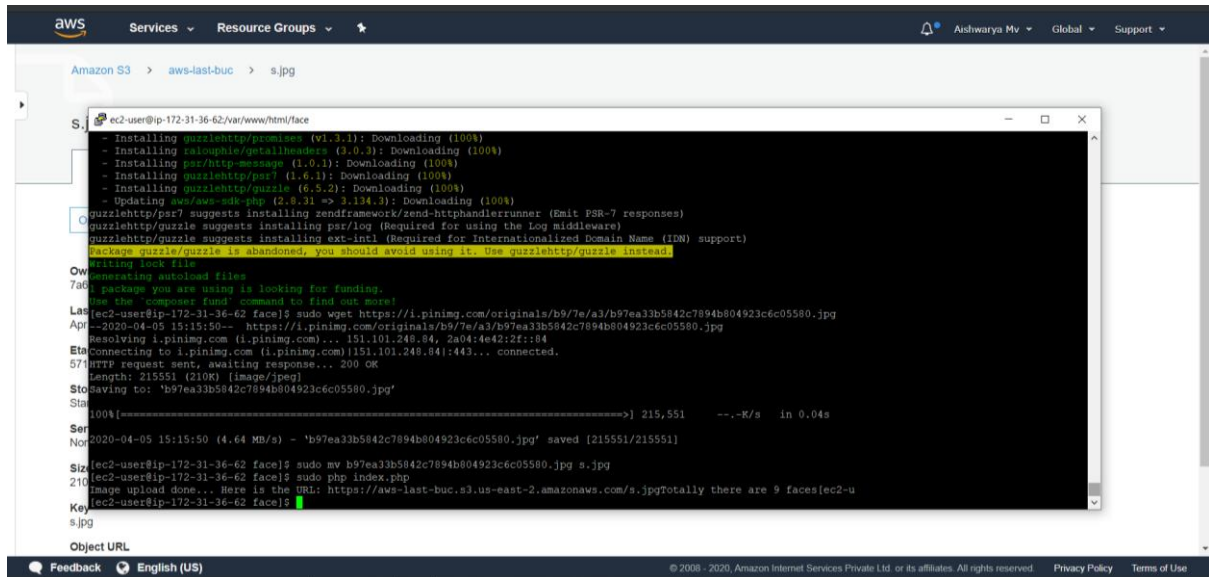
20-04-05T10:56:36.000Z

20-04-05T14:37:05.000Z

20-04-04T13:00:40.000Z

SCREENSHOT OF EC2 & REKOGNITION

1.FACE DETECT SUCCESS SCREENSHOT



The screenshot displays the AWS Management Console interface. At the top, the navigation bar shows 'Services', 'Resource Groups', and a user profile 'Aishwarya Mv'. The main content area is titled 'Amazon S3' and shows a bucket named 'aws-last-buc' with a file 's.jpg'. A terminal window is open, showing the following output:

```
ec2-user@ip-172-31-36-62:/var/www/html/face$
- Installing guzzlehttp/guzzle (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 (1.4.1): Downloading (100%)
- Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
- Updating aws/aws-sdk-php (2.8.31 => 3.134.3): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httpdierrunner (Emit 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)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
7ab package you are using is looking for funding.
Use the 'composer fund' command to find out more!
Last[ec2-user@ip-172-31-36-62 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Apr--2020-04-05 15:15:50-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Etc resolving i.pinimg.com (i.pinimg.com)... 151.101.248.84, 2a04:4e42:2f:84
Etc connecting to i.pinimg.com (i.pinimg.com)[151.101.248.84]:443... connected.
57 HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) (image/jpeg)
StoSaving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
Sta100%[=====] 215,551 --.-K/s in 0.04s
Ser2020-04-05 15:15:50 (4.64 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]
Not
Siz[ec2-user@ip-172-31-36-62 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg
210 image upload done... Here is the URL: https://aws-last-buc.s3.us-east-2.amazonaws.com/s.jpgTotally there are 9 faces[ec2-u
Key[ec2-user@ip-172-31-36-62 face]$
s.jpg
Object URL
```

The terminal output shows the successful installation of Guzzle HTTP client and the download of an image from a URL. The image is then moved to the local file system. The console also shows the image upload details, including the file size (215,551 bytes) and the upload speed (4.64 MB/s).

2.INSTALLING PHP

3.INDEX.PHP FILE CODE

4.UPLOAD SUCCESS SCREENSHOT