

Name: Gaurav Borse

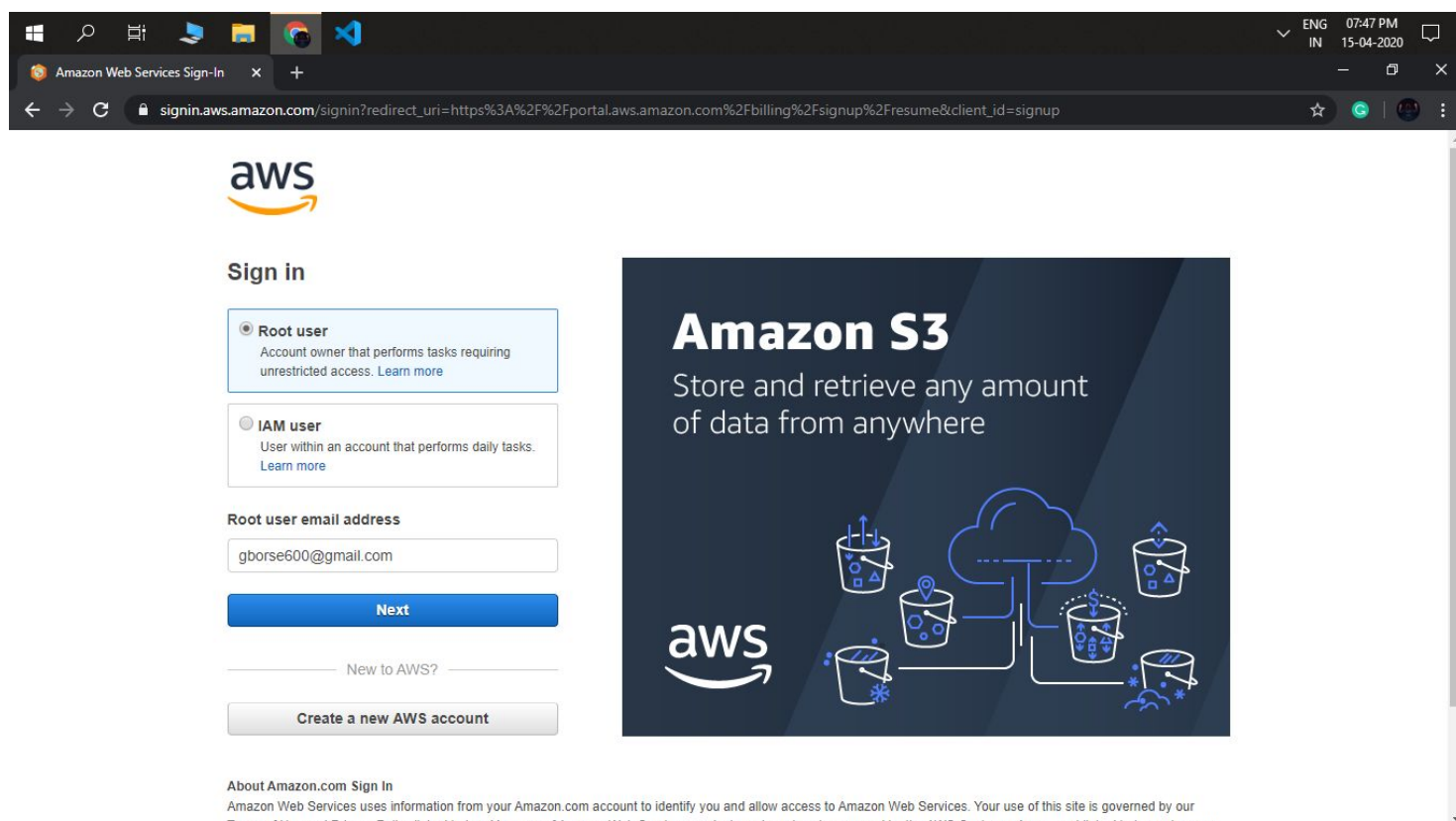
Mail ID: gbose600@gmail.com

AWS

Screenshots

Screenshots needed for Dashboards

1. AWS Login screen with username



Home

Cost Management

Cost Explorer

Budgets

Budgets Reports

Savings Plans

Cost & Usage Reports

Cost Categories (beta)

Cost allocation tags

Billing

Bills

Orders and invoices

Credits

Preferences

Billing preferences

Payment methods

Consolidated billing

Tax settings

Account Settings

[Edit](#)

Account Id: 225915239438
Account Name: It's_UR_GB
Password: *****

Contact Information

[Edit](#)

Please note that updating your contact information on this page will not update the information displayed on your PDF Invoices. If you wish to update the billing address information associated with your Invoice, please edit it through the Payment Methods page, located [here](#).

Full Name: It's_UR_GB
Address: Flat No. 201, Plot No. 10 Sai Anand Apartment near law college, devpur Dhule
City: Dhule
State: Maharashtra
Postal Code: 424002
Country: IN
Phone Number: 9423288162
Company Name:
Website URL:

Alternate Contacts

[Edit](#)

In order to keep the right people in the loop, you can add an alternate contact for Billing, Operations, and Security communications. To specify an alternate contact, click the Edit button.

Please note that, as the primary account holder, you will continue to receive all email communications.

Billing

2. EC2 Dashboard

Instances | EC2 Management Console

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

New EC2 Experience
Tell us what you think

Launch Instance **Connect** **Actions**

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
	i-0fb843652c35b6adf	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-15-204-176.us-east-2.compute.amazonaws.com

Instance: i-0fb843652c35b6adf **Public DNS:** ec2-3-15-204-176.us-east-2.compute.amazonaws.com

Description **Status Checks** **Monitoring** **Tags**

Instance ID	Public DNS (IPv4)
i-0fb843652c35b6adf	ec2-3-15-204-176.us-east-2.compute.amazonaws.com

Instance state running **IPv4 Public IP** 3.15.204.176

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3. S3 Dashboard

The screenshot shows the Amazon S3 console in a web browser. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a notification bell. A blue 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 links for 'Buckets', 'Batch Operations', 'Access analyzer for S3', 'Block public access (premium 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' and a table of buckets.

Name	Region	Access	Bucket created
myfirstbucket	US East (Ohio) us-east-2	Objects can be public	2020-04-12T05:49:53.000Z
projectbucket011	US East (Ohio) us-east-2	Objects can be public	2020-04-15T14:42:17.000Z

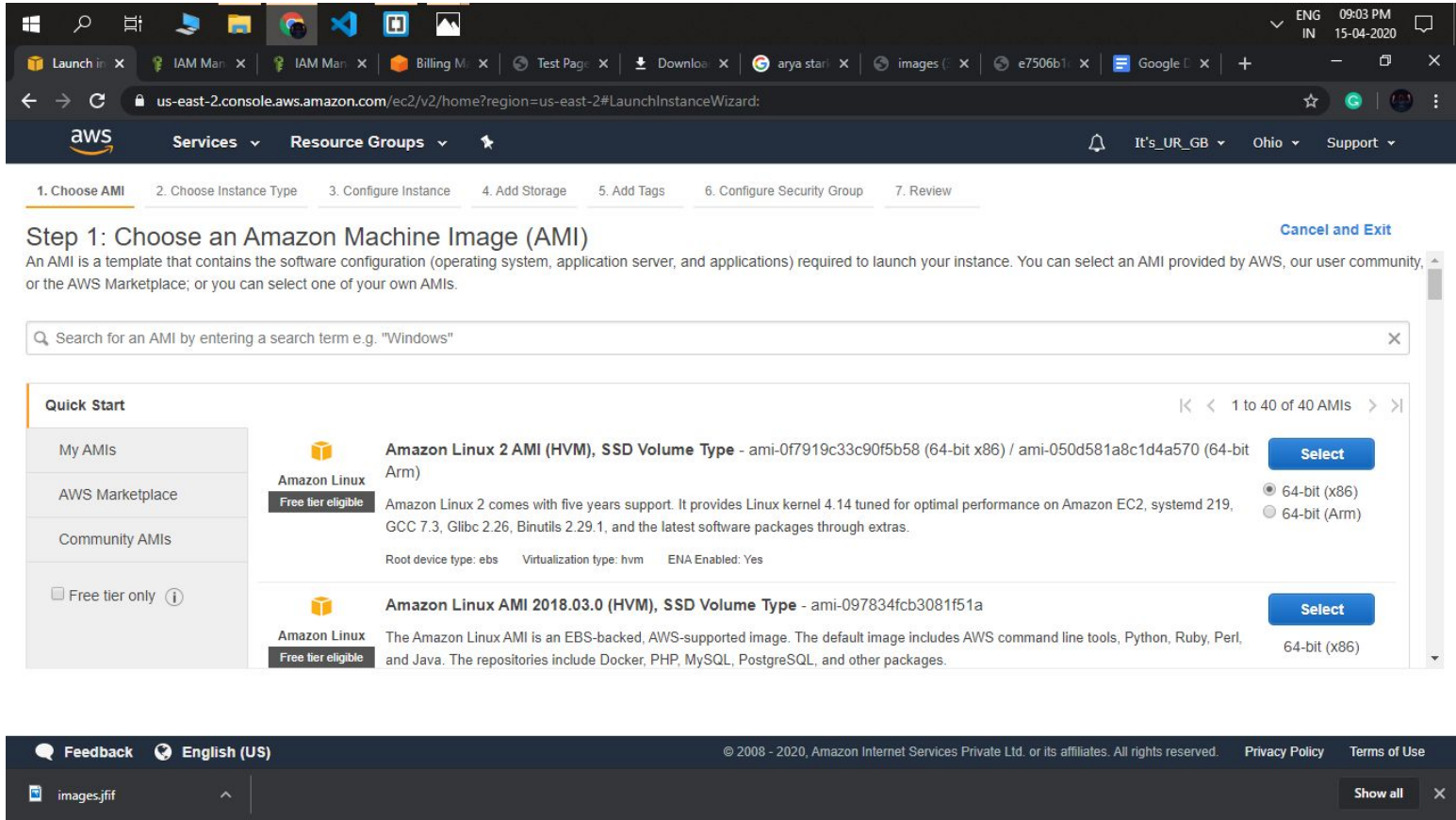
The bottom of the page features a footer with 'Feedback', 'English (US)', copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', 'Privacy Policy', 'Terms of Use', and a 'Show all' button.

4. Rekognition Dashboard

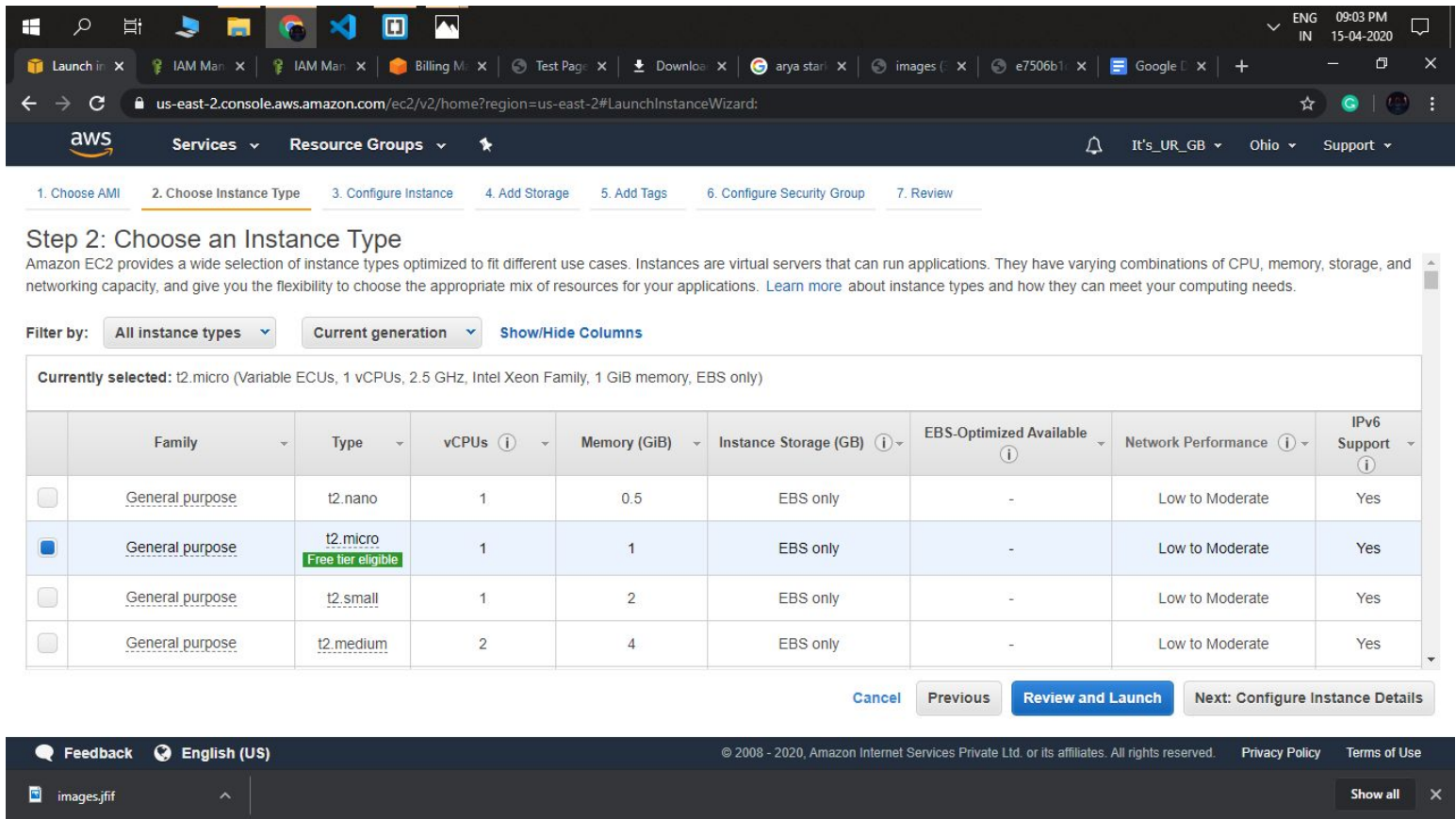
The screenshot shows the Amazon Rekognition console. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a notification bell. The left sidebar lists various features: 'Amazon Rekognition', 'Custom Labels New', 'Use Custom Labels', 'Demos', 'Object and scene detection', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Video analysis', 'Metrics', and 'Metrics'. The main content area has a large header with the text 'Amazon Rekognition' and '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 features three columns with icons and text: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. The footer includes 'Feedback', 'English (US)', copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', 'Privacy Policy', and 'Terms of Use'.

Screenshots needed for EC2

1. Choosing an AMI



2. Choosing an Instance Type



3. Adding Storage

The screenshot shows the AWS Management Console interface for the 'Launch Instance Wizard' in the 'us-east-2' region. The navigation bar at the top includes the AWS logo, 'Services', and 'Resource Groups'. The wizard progress bar indicates the current step is '4. Add Storage'. The main content area shows a table of storage volumes. The root volume is configured with the following settings: Volume Type: General Purpose SSD (gp2), Device: /dev/xvda, Snapshot: snap-0cc421f413b5be1dd, Size (GiB): 8, IOPS: 100 / 3000, Throughput (MB/s): N/A, Delete on Termination: checked, and Encryption: Not Encrypt. A button 'Add New Volume' is visible. A blue information box states: '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.' At the bottom, there are buttons for 'Cancel', 'Previous', 'Review and Launch', and 'Next: Add Tags'. The footer includes 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0cc421f413b5be1dd	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](#)

4. Configuring Security Group

The screenshot shows the AWS Management Console interface for the 'Launch Instance Wizard' in the 'us-east-2' region. The navigation bar at the top includes the AWS logo, 'Services', and 'Resource Groups'. The wizard progress bar indicates the current step is '6. Configure Security Group'. The main content area shows the 'Assign a security group' section with two radio buttons: 'Create a new security group' (selected) and 'Select an existing security group'. Below this, the 'Security group name' is 'launch-wizard-3' and the 'Description' is 'launch-wizard-3 created 2020-04-15T21:03:30.821+05:30'. A table of security rules is shown with the following columns: Type, Protocol, Port Range, Source, and Description. The first rule is for SSH (Type: SSH, Protocol: TCP, Port Range: 22, Source: Custom 0.0.0.0/0, Description: e.g. SSH for Admin Desktop). An 'Add Rule' button is visible. A yellow warning box states: '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.' At the bottom, there are buttons for 'Cancel', 'Previous', and 'Review and Launch'. The footer includes 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'.

Assign a security group: ☒ Create a **new** security group ☐ Select an **existing** security group

Security group name: launch-wizard-3

Description: launch-wizard-3 created 2020-04-15T21:03:30.821+05:30

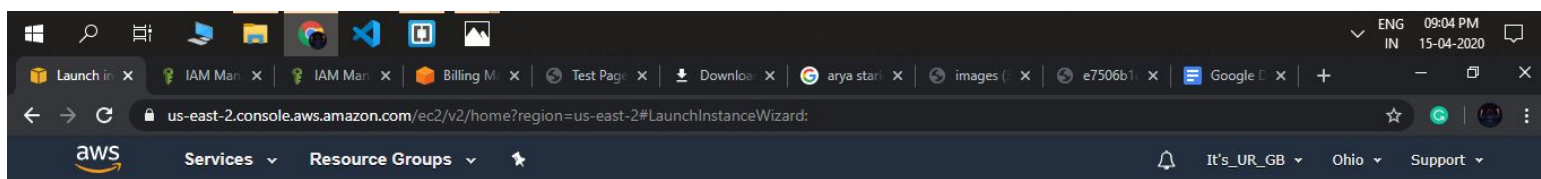
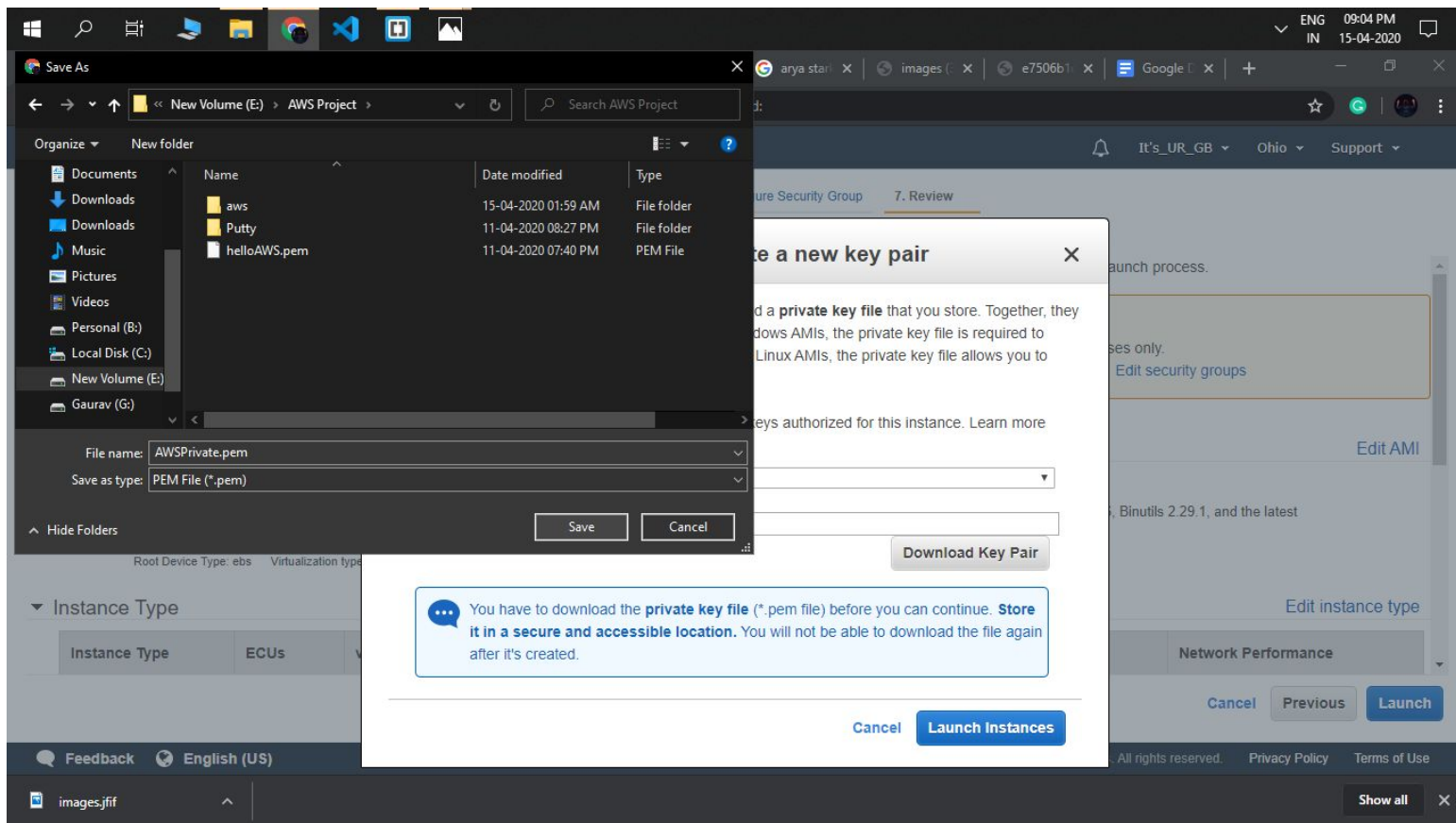
Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

[Add Rule](#)

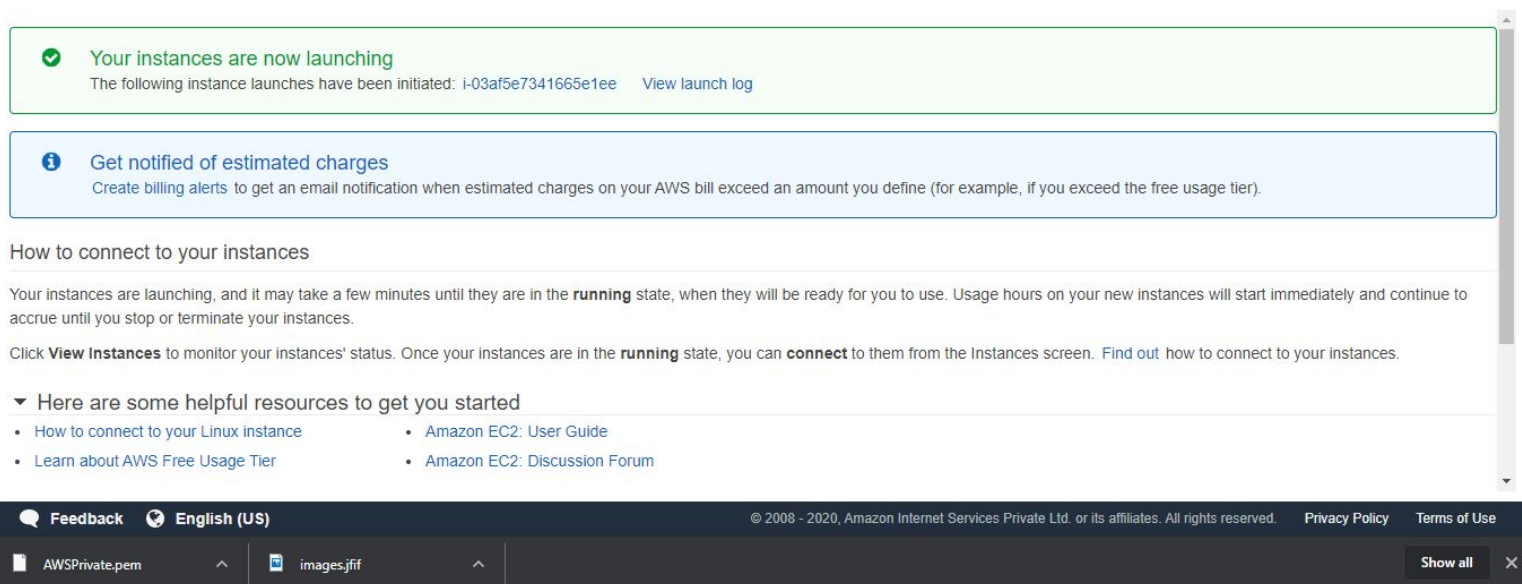
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

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

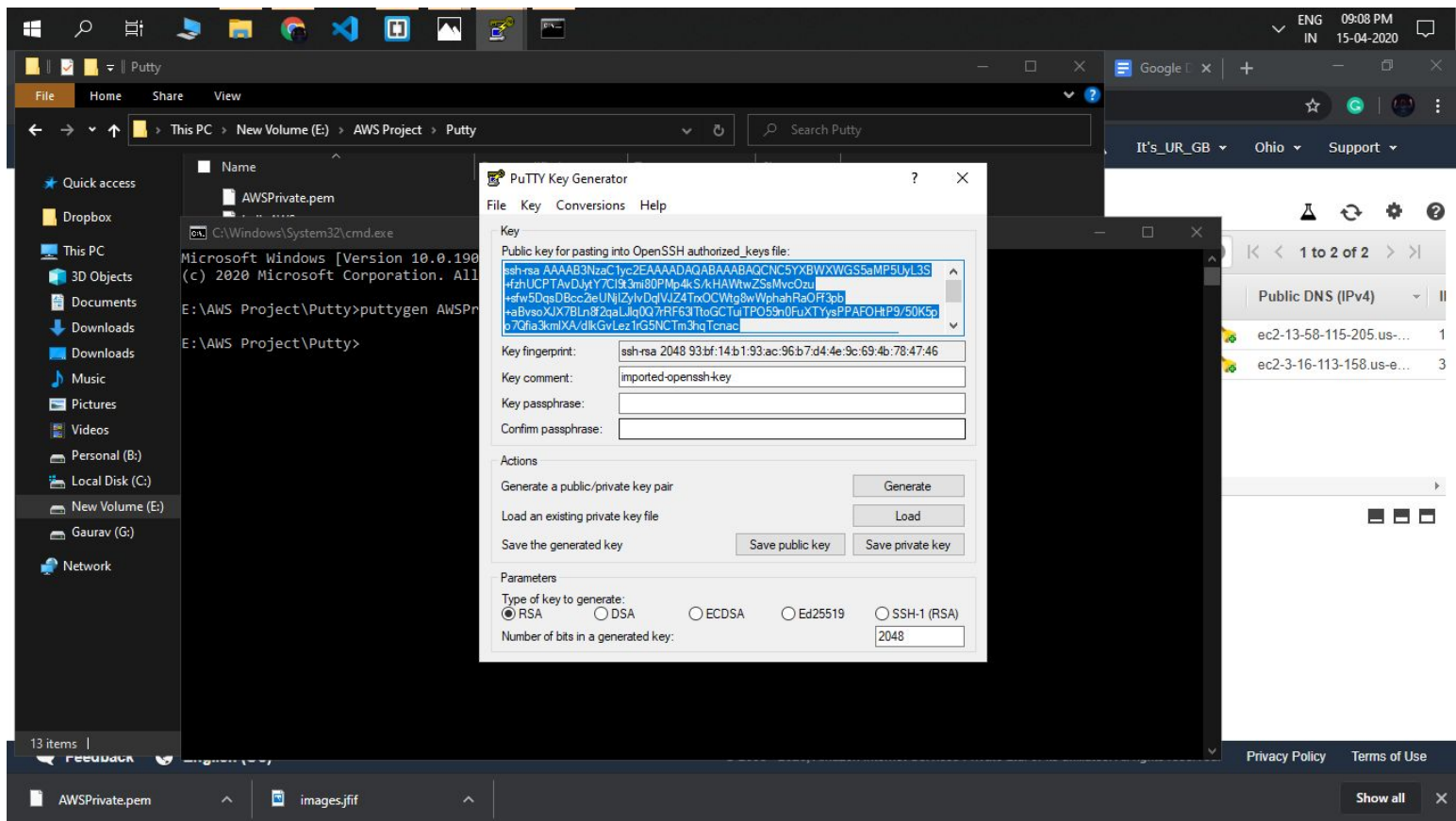
5. Key Pair Download



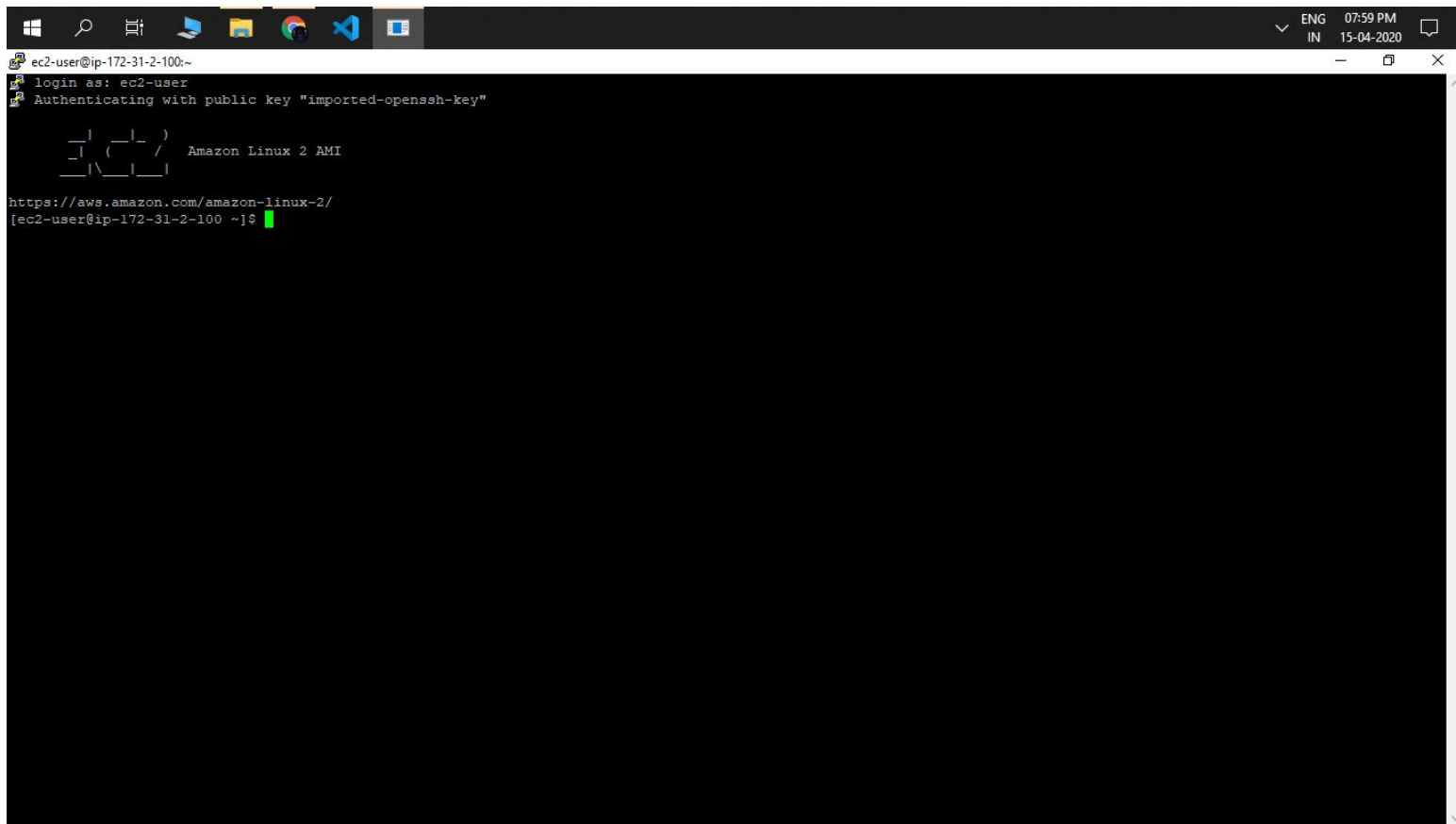
Launch Status



6. PuTTYgen conversion from pem to ppk



7. Logged in EC2 black screen



File Edit Find View Navigate Debug Help

Working Files

main.js

index.html — message

createAccount.php

googleLogin.php

uploadImage.php

RetrieveData.php

Read.js

uploadImage.js

5_605317996326630

Getting Started -

screenshots

index.html

main.css

1 <?php

2

3 /*

4

ec2-user@ip-172-31-2-100:~

[ec2-user@ip-172-31-2-100 ~]\$ sudo service httpd start

Redirecting to /bin/systemctl start httpd.service

[ec2-user@ip-172-31-2-100 ~]\$ 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 prese

t: disabled)

Active: active (running) since Wed 2020-04-15 14:32:18 UTC; 1min 2s ago

Docs: man:httpd.service(8)

Main PID: 3625 (httpd)

Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes se

rved/sec: 0 B/sec"

CGroup: /system.slice/httpd.service

└─3625 /usr/sbin/httpd -DFOREGROUND

└─3626 /usr/sbin/httpd -DFOREGROUND

└─3627 /usr/sbin/httpd -DFOREGROUND

└─3628 /usr/sbin/httpd -DFOREGROUND

└─3629 /usr/sbin/httpd -DFOREGROUND

└─3630 /usr/sbin/httpd -DFOREGROUND

Apr 15 14:32:18 ip-172-31-2-100.us-east-2.compute.internal systemd[1]: Starti...

Apr 15 14:32:18 ip-172-31-2-100.us-east-2.compute.internal systemd[1]: Starte...

Hint: Some lines were ellipsized, use -l to show in full.

[ec2-user@ip-172-31-2-100 ~]\$

33 require_once(__DIR__ . '/vendor/autoload.php');

34

35 use Aws\S3\S3Client;

36 use Aws\Rekognition\RekognitionClient;

37

38

39 \$bucket = 'myfirstbuck95';

40 \$keyname = 'cricket.jpg';

41

42 \$s3 = S3Client::factory(array(

43

Getting Started

Line 25, Column 1 — 74 Lines

INS UTF-8 PHP Spaces: 4

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

Launch Instance

Conn

Filter by tags and attributes or

Name	Instance
<input checked="" type="checkbox"/>	i-015a285
<input type="checkbox"/>	i-0fb8436

INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

Instance ID

i-015a2853689e502ff

Instance state

running

Instance type

t2.micro

Finding

Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Public DNS (IPv4)

ec2-13-58-115-205.us-east-2.compute.amazonaws.com

IPv4 Public IP

13.58.115.205

IPv6 IPs

-

Elastic IPs

PutTY Configuration

Category:

Session

Logging

Terminal

Keyboard

Bell

Features

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Serial

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address)

13.58.115.205

Port

22

Connection type:

☐ Raw

☐ Telnet

☐ Rlogin

☒ SSH

☐ Serial

Load, save or delete a stored session

Saved Sessions

Default Settings

Load

Save

Delete

Close window on exit:

☐ Always

☐ Never

☒ Only on clean exit

About

Help

Open

Cancel

Status Checks

Alarm Status

Public DNS (IPv4)

1

Initializing

None

ec2-13-58-115-205.us-...

None

Feedback

English (US)

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Privacy Policy

Terms of Use

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

Launch Instance

Conn

Filter by tags and attributes or

Name	Instance
<input checked="" type="checkbox"/>	i-015a285
<input type="checkbox"/>	i-0fb8436

INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

Instance ID

i-015a2853689e502ff

Instance state

running

Instance type

t2.micro

Finding

Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Public DNS (IPv4)

ec2-13-58-115-205.us-east-2.compute.amazonaws.com

IPv4 Public IP

13.58.115.205

IPv6 IPs

-

Elastic IPs

PutTY Configuration

Category:

Features

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Serial

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:

E:\AWS Project\helloAWS.ppk

Browse...

About

Help

Open

Cancel

Status Checks

Alarm Status

Public DNS (IPv4)

1

Initializing

None

ec2-13-58-115-205.us-...

None

Feedback

English (US)

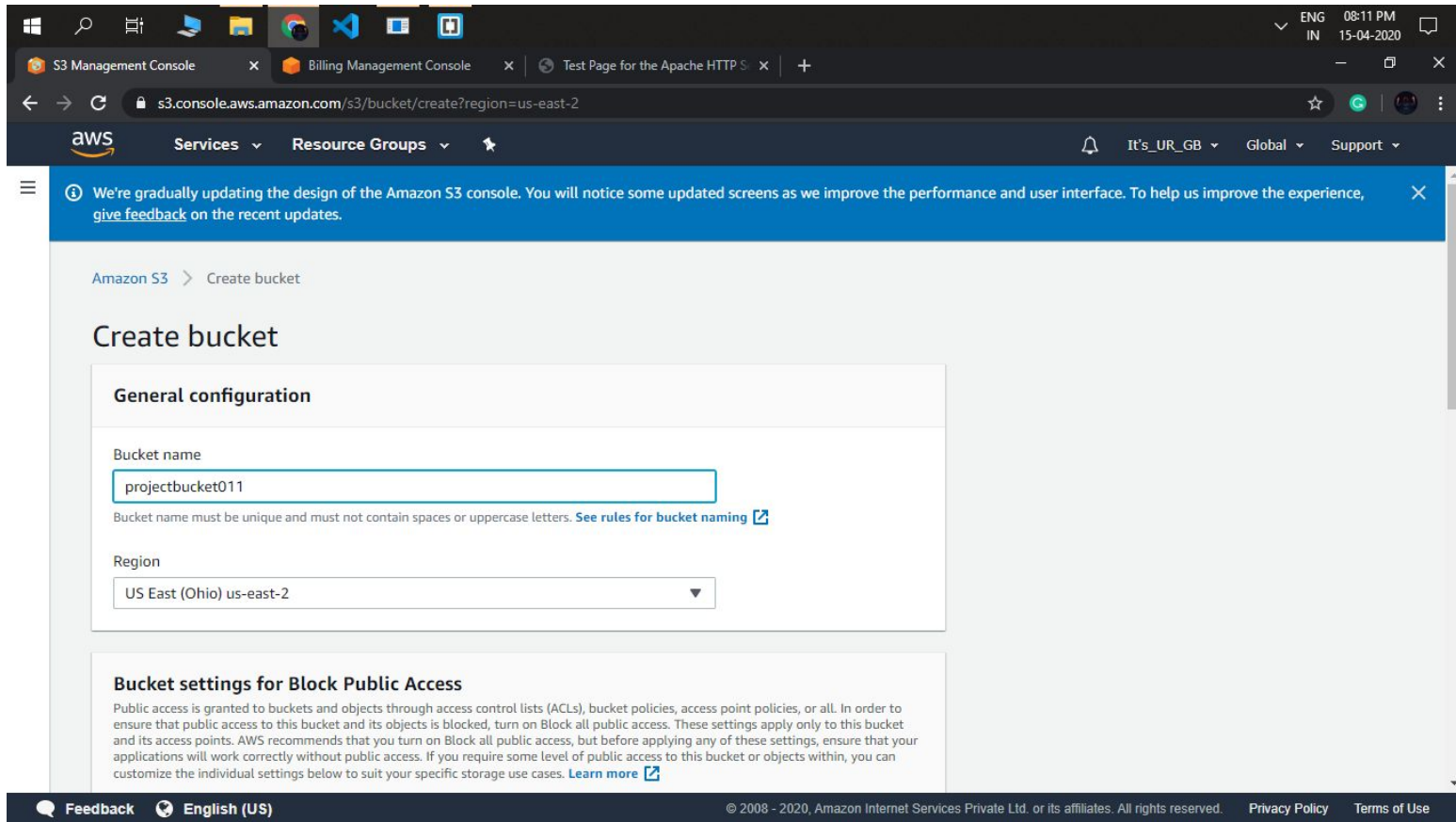
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Privacy Policy

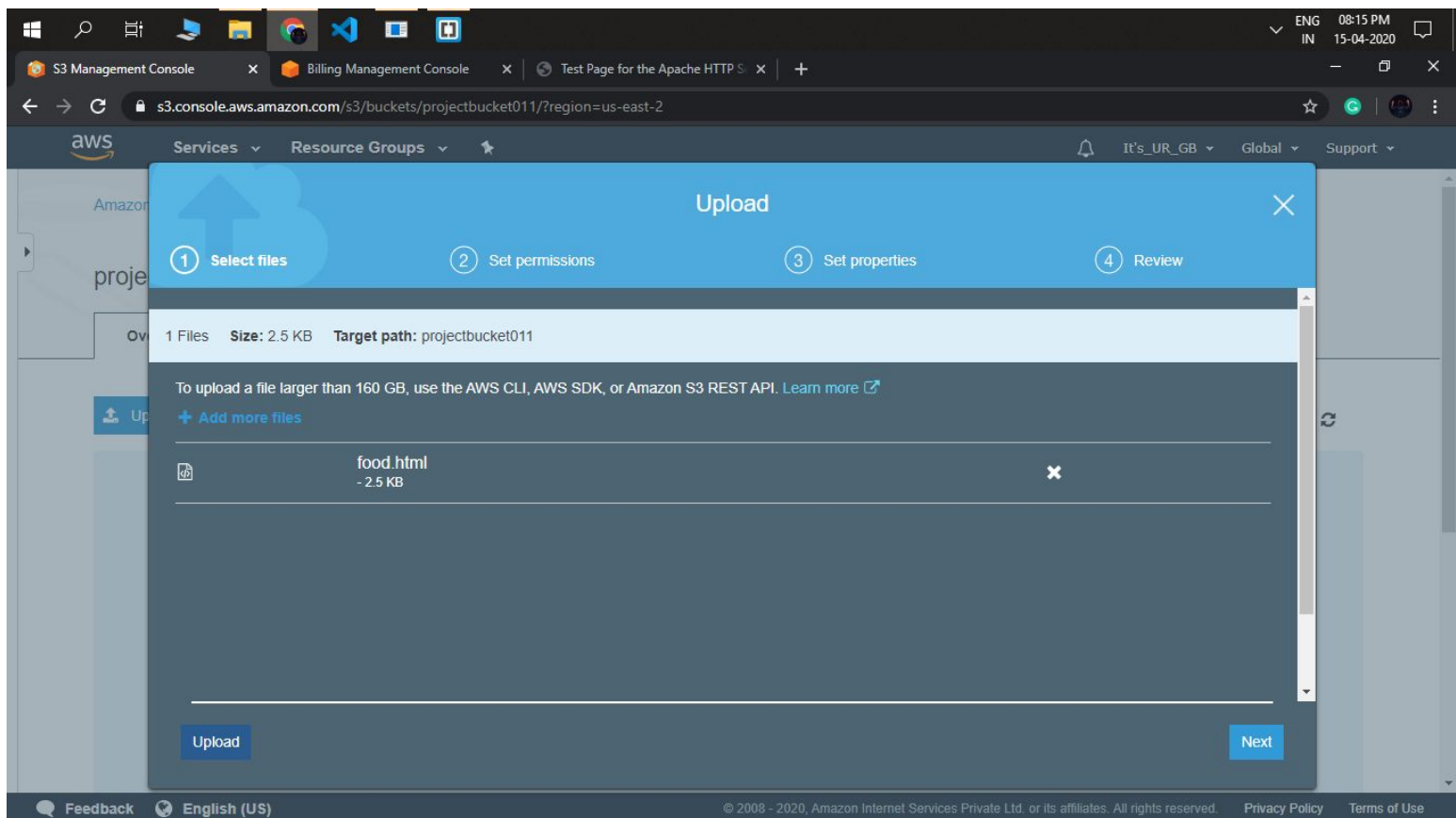
Terms of Use

Screenshots needed for S3

1. Creating a bucket



2. Uploading an Object



3. Enabling Static Website

The screenshot shows the AWS S3 console interface for the bucket 'projectbucket011'. The 'Static website hosting' tab is active, displaying the following configuration:

- Endpoint: `http://projectbucket011.s3-website.us-east-2.amazonaws.com`
- ☒ Use this bucket to host a website [Learn more](#)
- Index document: `food..html`
- Error document: `error.html`
- Redirection rules (optional): (Empty list)
- ☐ Redirect requests [Learn more](#)
- ☐ Disable website hosting
- ☒ Bucket hosting

Buttons: Cancel, Save

Object-level logging: Disabled [Learn more](#)

Footer: Feedback, English (US), © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy, Terms of Use

The screenshot shows the AWS S3 console interface for the bucket 'projectbucket011'. The 'Properties' tab is active, displaying the following information:

- Amazon S3 > projectbucket011
- projectbucket011
- Overview | Properties | Permissions | Management | Access points
- Search: Type a prefix and press Enter to search. Press ESC to clear.
- Actions: Upload, Create folder, Download, Actions
- Region: US East (Ohio)
- Viewing 1 to 1

Name	Last modified	Size	Storage class
food.html	Apr 15, 2020 8:15:25 PM GMT+0530	2.5 KB	Standard

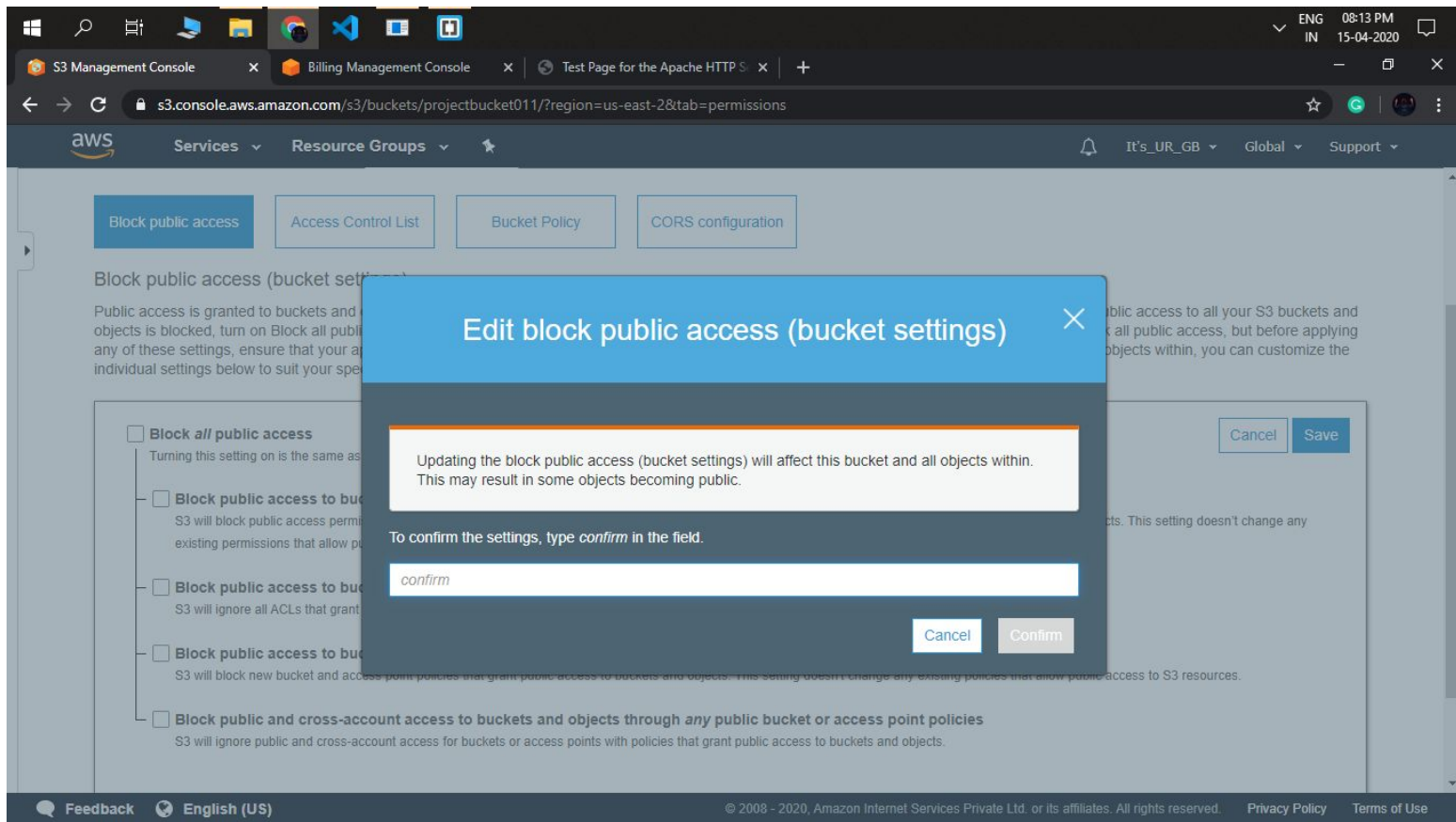
- Viewing 1 to 1
- Operations: 0 In progress, 1 Success, 0 Error

Footer: Feedback, English (US), © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy, Terms of Use

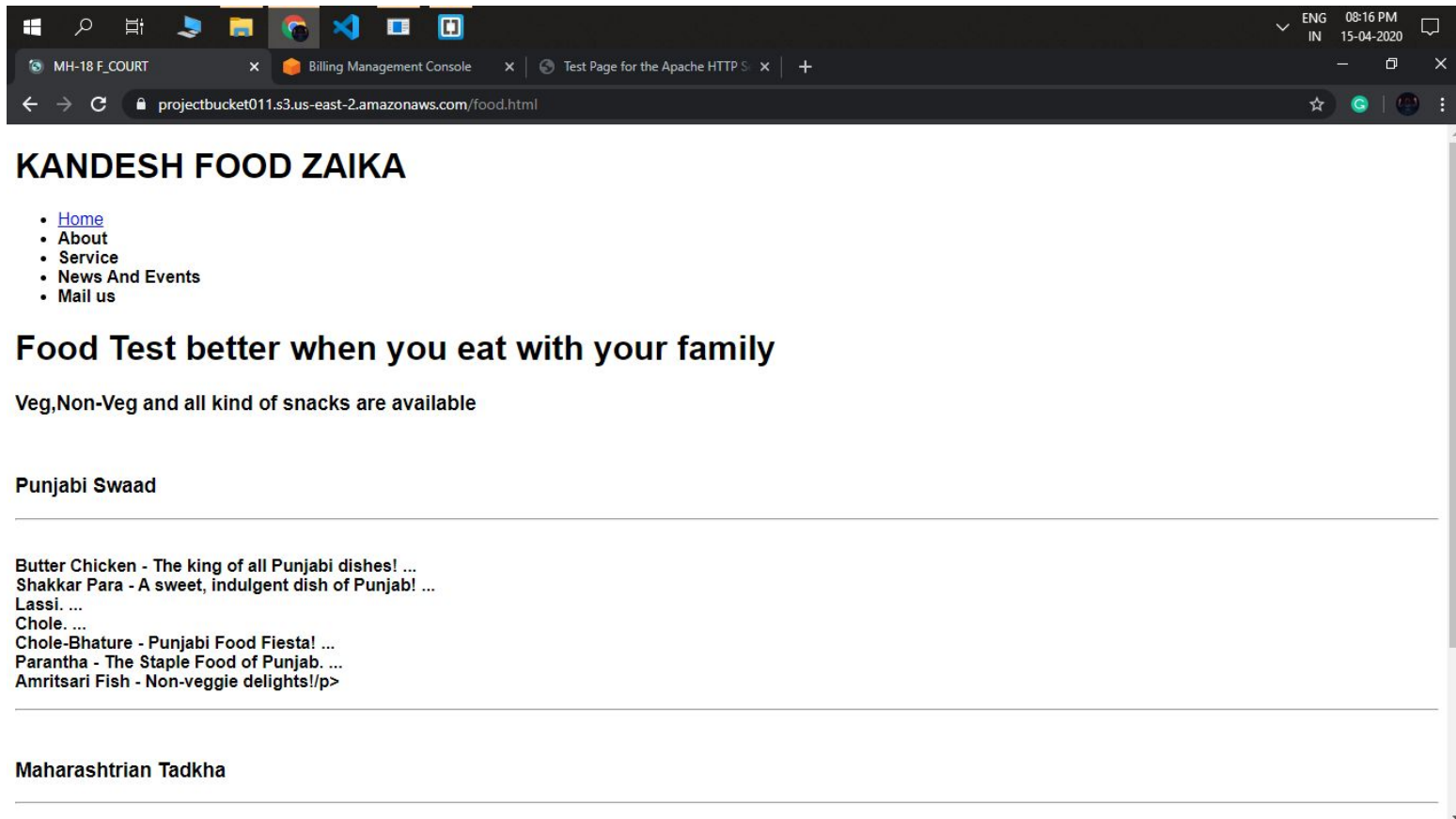
The screenshot shows the AWS S3 console interface for a bucket named 'projectbucket011'. The breadcrumb navigation shows 'Amazon S3 > projectbucket011'. The main heading is 'projectbucket011'. Below it are tabs for 'Overview', 'Properties', 'Permissions', 'Management', and 'Access points'. The 'Overview' tab is active, displaying several configuration cards: 'Versioning' (Disabled), 'Server access logging' (Disabled), 'Static website hosting' (Enabled with 'Bucket hosting' selected), 'Object-level logging', and 'Default encryption'. The footer includes 'Feedback', 'English (US)', and copyright information for 2008-2020.

4. Making the Object Public (Selecting Make **Public** option)

The screenshot shows the AWS S3 console interface for an object named 'food.html' within the 'projectbucket011' bucket. The breadcrumb navigation shows 's3.console.aws.amazon.com/s3/object/projectbucket011/food.html?region=us-east-2'. The main heading is 'food.html'. Below it are tabs for 'Overview', 'Properties', 'Permissions', and 'Select from'. The 'Overview' tab is active, displaying a list of actions: 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. Below the actions are the object's details: 'Owner' (61b4ecc05fc9ebc433c633a96342f2a16446a7f0b3168d16c9b0a3fd8001805f), 'Last modified' (Apr 15, 2020 8:15:25 PM GMT+0530), 'Etag' (fd686d20f22178203305408e14f9d6d9), 'Storage class' (Standard), 'Server-side encryption' (None), 'Size' (2.5 KB), 'Key' (food.html), and 'Object URL' (https://projectbucket011.s3.us-east-2.amazonaws.com/food.html). The footer includes 'Operations' (0 In progress, 1 Success, 0 Error), 'Feedback', 'English (US)', and copyright information for 2008-2020.

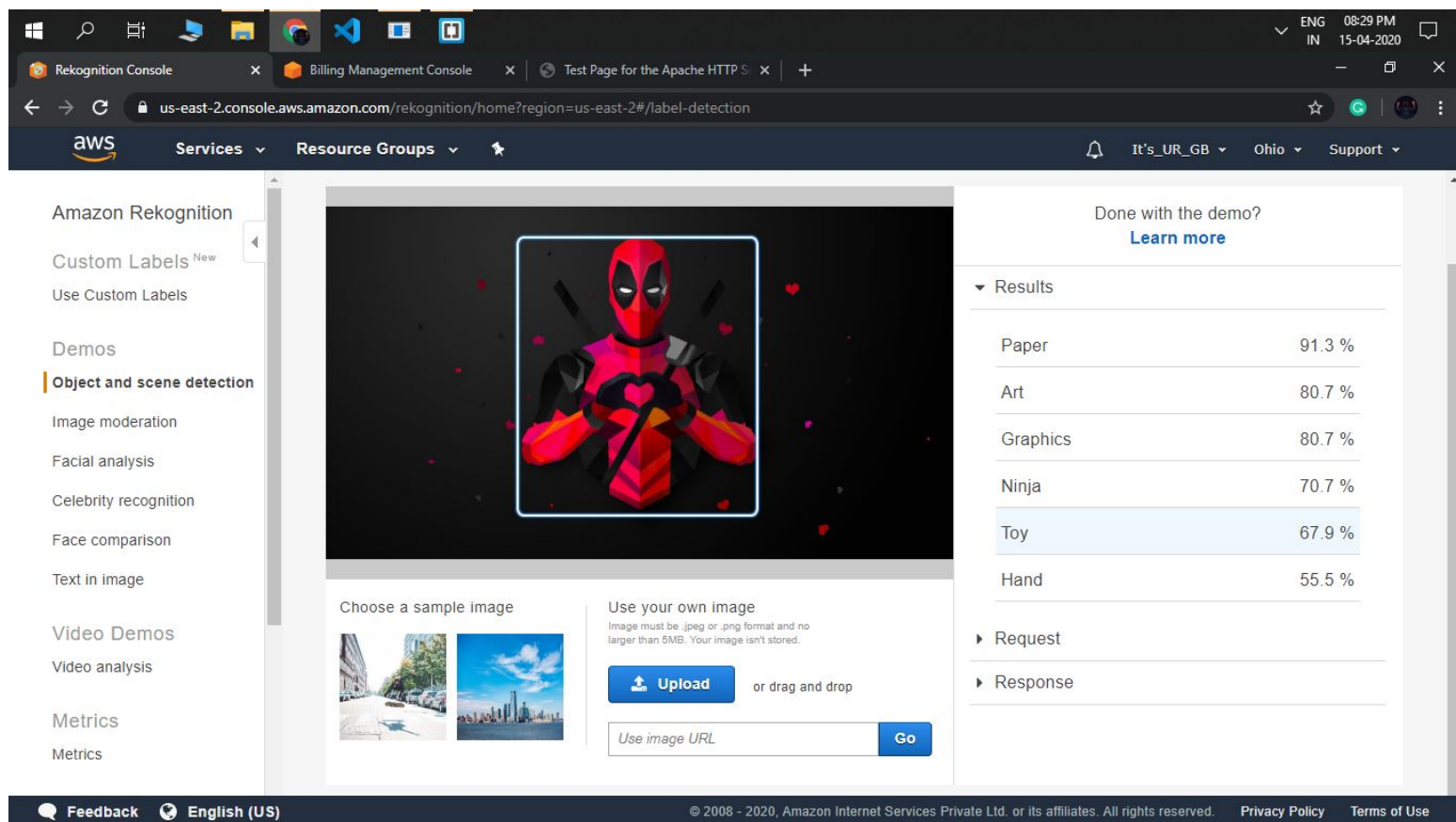


5. Checking the S3 link on the browser



Screenshots needed for Rekognition

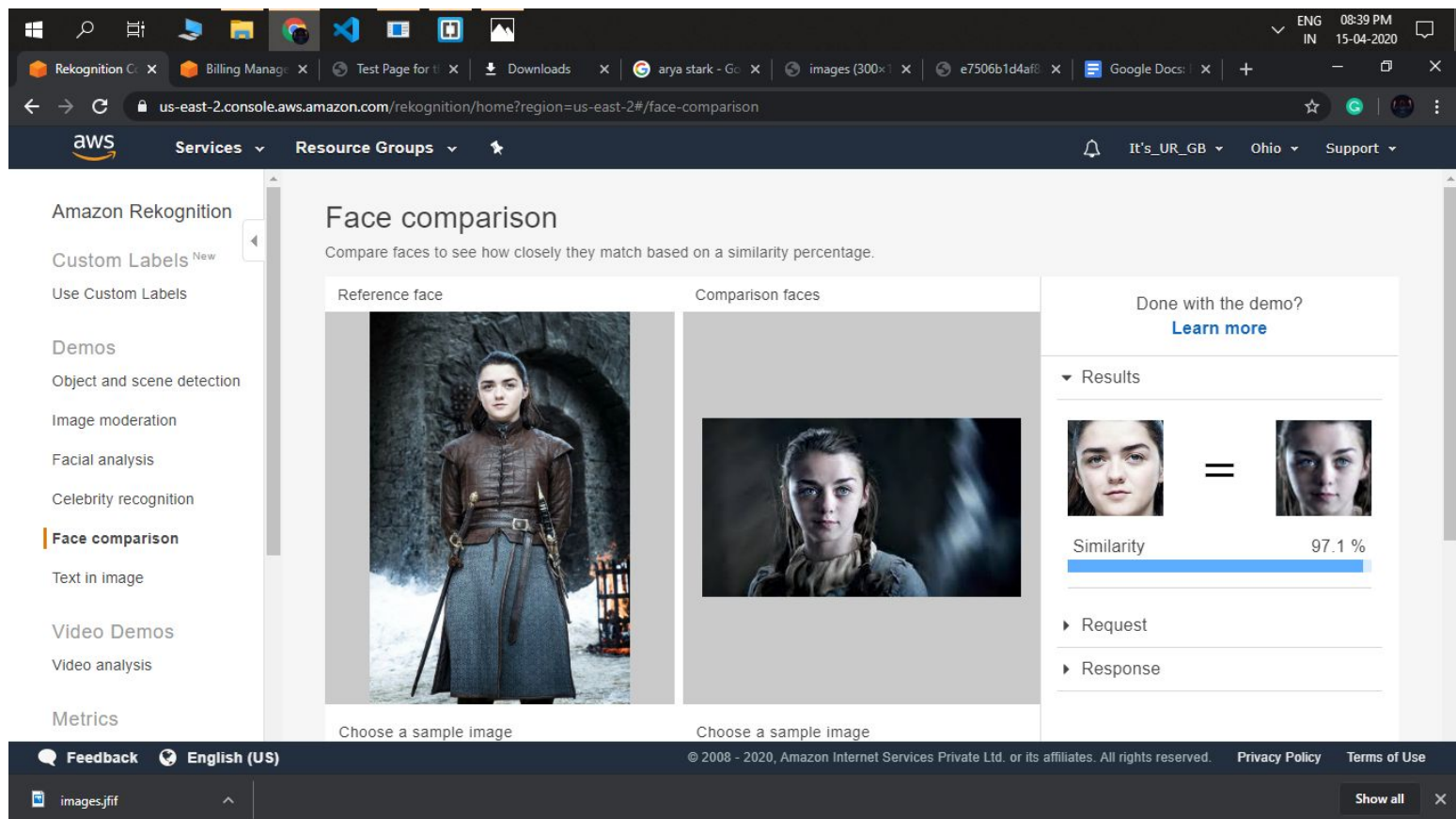
1. Face Detect





The screenshot shows the Amazon Rekognition console interface. The left sidebar contains navigation links for Amazon Rekognition, Custom Labels, Demos, and various services like Image moderation, Facial analysis, and Text in image. The main content area displays the 'Object and scene detection' demo. A central image of Deadpool is shown with a bounding box. Below it, there are options to 'Choose a sample image' or 'Use your own image'. The 'Results' section on the right lists detected objects with their confidence percentages:

Object	Confidence
Paper	91.3 %
Art	80.7 %
Graphics	80.7 %
Ninja	70.7 %
Toy	67.9 %
Hand	55.5 %

2. Face Compare



The screenshot shows the Amazon Rekognition console interface for the 'Face comparison' demo. The left sidebar is the same as the previous screenshot. The main content area displays the 'Face comparison' demo. It shows a 'Reference face' and a 'Comparison face' of a woman. Below each image is a 'Choose a sample image' button. The 'Results' section on the right shows the similarity score between the two faces:

Similarity	Percentage
 = 	97.1 %

3. Celebrity Recognition

The screenshot shows the AWS Rekognition console interface. On the left, a sidebar lists various services under 'Amazon Rekognition', with 'Celebrity recognition' highlighted. The main area displays a demo image of actress Maisie Williams. A bounding box is drawn around her face. To the right, the 'Results' panel shows a match for 'Maisie Williams' with a 'Match confidence' of 100%. Below the results, there are sections for 'Request' and 'Response'.

4. Text in Image

Screensho

The screenshot shows the AWS Rekognition console interface for the 'Text in Image' demo. The main area displays a logo for 'PCCOE' (Pimpri Chinchwad College of Engineering). The results panel on the right shows a list of detected text elements, including 'college', 'of', 'Chinchwad', 'Engineering', 'Pimpri', 'PCET'S', 'PCCOE', 'Knowledge Brings Freedom', 'Progress', 'Optimism', 'Credibility', 'Confidence', 'Freedom', 'Excellence', 'Since', and '1999'. The interface includes a sidebar with navigation options and a bottom footer with copyright information.

Screenshots needed for EC2 & S3

1. Installing aws-sdk

```
ec2-user@ip-172-31-33-193:/var/www/html/face
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):
Installation failed, deleting ./composer.json.
The following exception is caused by a lack of memory or swap, or not having swap configured
Check https://getcomposer.org/doc/articles/troubleshooting.md#proc-open-fork-failed-errors for details

PHP Warning:  proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952

Warning: proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952

[ErrorException]
proc_open(): fork failed - Cannot allocate memory

require [--dev] [--prefer-source] [--prefer-dist] [--fixed] [--no-progress] [--no-suggest] [--no-update] [--no-scripts] [--update-no-dev] [--update-with-dependencies] [--update-with-all-dependencies] [--ignore-platform-reqs] [--prefer-stable] [--prefer-lowest] [--sort-packages] [-o|--optimize-autoloader] [-a|--classmap-authoritative] [--apcu-autoloader] [--] [<packages>]...

[ec2-user@ip-172-31-33-193 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-33-193 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 (2.8.31): 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 and responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode caching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for creating 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
[ec2-user@ip-172-31-33-193 face]$
```

2. Installing php

```
ec2-user@ip-172-31-33-193:/var/www/html/face
Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 10/13
Installing : php-common-5.4.16-46.amzn2.0.2.x86_64 11/13
Installing : php-cli-5.4.16-46.amzn2.0.2.x86_64 12/13
Installing : php-5.4.16-46.amzn2.0.2.x86_64 13/13
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/13
Verifying : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 2/13
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/13
Verifying : php-cli-5.4.16-46.amzn2.0.2.x86_64 4/13
Verifying : mod_http2-1.15.3-2.amzn2.x86_64 5/13
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 6/13
Verifying : httpd-2.4.41-1.amzn2.0.1.x86_64 7/13
Verifying : php-5.4.16-46.amzn2.0.2.x86_64 8/13
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 9/13
Verifying : mailcap-2.1.41-2.amzn2.noarch 10/13
Verifying : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch 11/13
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64 12/13
Verifying : php-common-5.4.16-46.amzn2.0.2.x86_64 13/13

Installed:
  php.x86_64 0:5.4.16-46.amzn2.0.2

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.x86_64 0:2.4.41-1.amzn2.0.1      httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1      httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1      libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
  mailcap.noarch 0:2.1.41-2.amzn2      mod_http2.x86_64 0:1.15.3-2.amzn2      php-cli.x86_64 0:5.4.16-46.amzn2.0.2      php-common.x86_64 0:5.4.16-46.amzn2.0.2

Complete!
[ec2-user@ip-172-31-33-193 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.5) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar

[ec2-user@ip-172-31-33-193 ~]$ cd /var/www/html
[ec2-user@ip-172-31-33-193 html]$ sudo mkdir face
[ec2-user@ip-172-31-33-193 html]$ cd face
[ec2-user@ip-172-31-33-193 face]$
[ec2-user@ip-172-31-33-193 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)
```


3. index.php file code

```
ec2-user@ip-172-31-33-193:/var/www/html/face
require_once(__DIR__ . '/vendor/autoload.php');

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

$bucket = 'myfirstbuck95';
$keyname = 'cricket.jpg';

$s3 = S3Client::factory(array(
    'credentials' => array(
        'key' => 'AKIA3CBDD045XZ4QCKGQ',
        'secret' => 'a92p3ahYfzckUttu748bLkv9b+pOus7DjnKMU7W/'
    ),
    'profile' => 'default',

    'region' => 'us-east-2',
    'version' => 'latest',
    '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;
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

-- INSERT --
```

4. Upload success screenshot

```
ec2-user@ip-172-31-33-193:/var/www/html/face
-3914 /usr/sbin/httpd -DFOREGROUND
-3915 /usr/sbin/httpd -DFOREGROUND
-3916 /usr/sbin/httpd -DFOREGROUND
-3917 /usr/sbin/httpd -DFOREGROUND
-3918 /usr/sbin/httpd -DFOREGROUND
-3919 /usr/sbin/httpd -DFOREGROUND

Apr 15 16:04:01 ip-172-31-33-193.us-east-2.compute.internal systemd[1]: Start...
Apr 15 16:04:01 ip-172-31-33-193.us-east-2.compute.internal systemd[1]: Start...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-33-193 ~]$ cd /var/www/html
[ec2-user@ip-172-31-33-193 html]$ cd face
[ec2-user@ip-172-31-33-193 face]$ sudo vim reco.php
[ec2-user@ip-172-31-33-193 face]$ sudo wget https://i.pinimg.com/originals/e7/50/6b/e7506bld4af8a20fa03be01a5c876199.jpg
--2020-04-15 16:07:32-- https://i.pinimg.com/originals/e7/50/6b/e7506bld4af8a20fa03be01a5c876199.jpg
Resolving i.pinimg.com (i.pinimg.com)... 23.62.24.79, 2600:1408:20:aa5::1931, 2600:1408:20:abl::1931, ...
Connecting to i.pinimg.com (i.pinimg.com)|23.62.24.79|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 362728 (354K) [image/jpeg]
Saving to: 'e7506bld4af8a20fa03be01a5c876199.jpg'

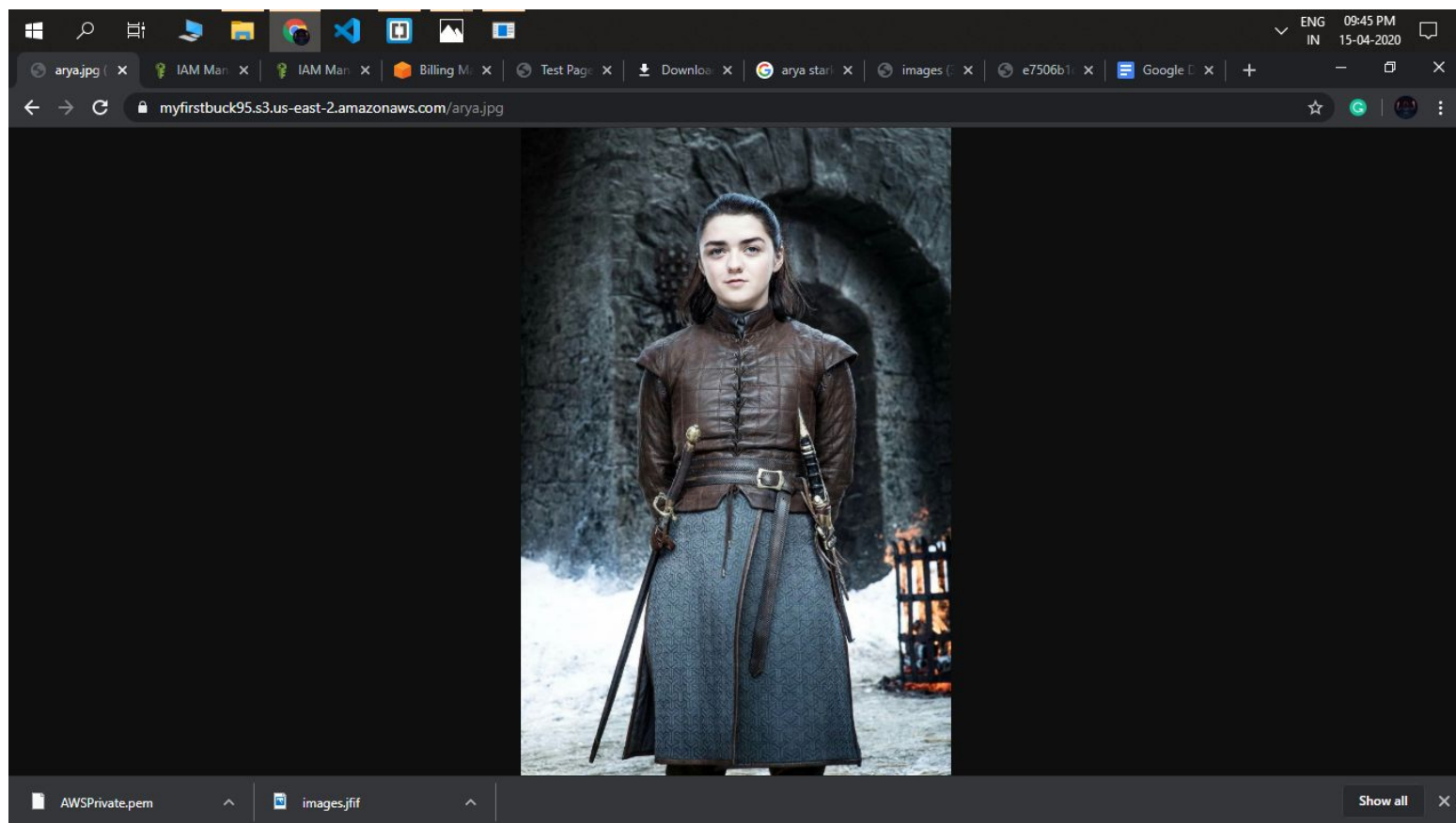
100%[=====>] 362,728 --.-K/s in 0.04s

2020-04-15 16:07:33 (7.92 MB/s) - 'e7506bld4af8a20fa03be01a5c876199.jpg' saved [362728/362728]

[ec2-user@ip-172-31-33-193 face]$ ls
composer.json composer.lock e7506bld4af8a20fa03be01a5c876199.jpg reco.php vendor
[ec2-user@ip-172-31-33-193 face]$ ^C
[ec2-user@ip-172-31-33-193 face]$ sudo mv e7506bld4af8a20fa03be01a5c876199.jpg arya.jpg
[ec2-user@ip-172-31-33-193 face]$ ls
arya.jpg composer.json composer.lock reco.php vendor
[ec2-user@ip-172-31-33-193 face]$ sudo rm reco.php
[ec2-user@ip-172-31-33-193 face]$ sudo vim reco.php
[ec2-user@ip-172-31-33-193 face]$ sudo php reco.php
PHP Warning: strtotime(): It is not safe to rely on the system's timezone settings. You are *required* to use the date.timezone setting or the date_default_timezone_set() function. In case you used any of those methods and you are still getting this warning, you most likely misspelled the timezone identifier. We selected the timezone 'UTC' for now, but please set date.timezone to select your timezone. in /var/www/html/face/vendor/aws-sdk-php/src/Aws/Common/InstanceMetadata/InstanceMetadataClient.php on line 99
Image upload done... Here is the URL: https://myfirstbuck95.s3.us-east-2.amazonaws.com/arya.jpg[ec2-user@ip-172-31-33-193 face]$ sudo php reco.php
PHP Warning: strtotime(): It is not safe to rely on the system's timezone settings. You are *required* to use the date.timezone setting or the date_default_timezone_set() function. In case you used any of those methods and you are still getting this warning, you most likely misspelled the timezone identifier. We selected the timezone 'UTC' for now, but please set date.timezone to select your timezone. in /var/www/html/face/vendor/aws-sdk-php/src/Aws/Common/InstanceMetadata/InstanceMetadataClient.php on line 99
Image upload done... Here is the URL: https://myfirstbuck95.s3.us-east-2.amazonaws.com/arya.jpg[ec2-user@ip-172-31-33-193 face]$
```


Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot



Notes made by me based on video tutorial:

AWS

1. EC2 elastic cloud compute

A virtual machine for computation.

2. region (yellow)

geographical location

3. availability zone (blue)

physical data storage location

there is a minimum of two availability zone.

to increase network availability in a particular region

4. edge location

caching the file (available resources cache in edge location).

edge location need not be an availability zone.

exist on its own.

5. in amazon public cloud we create virtual private cloud. inside private we can create The subnet in AZ.

6. putty provides remote access to our virtual machine (don't have physical access).

7. putty is the remote connection for the Linux system.

8. frequently access put it into the standard.

9. amazon stored file in three diff. availability zone.

10. Different storage classes:

1) standard

2)one zone AZ

3)multi-zone AZ

4)glacier

11.VPC(virtual private cloud)

which is the logical division of the public cloud.

CIDR block:

classless interdomain routing.

share an initial sequence of bits in the binary representation of their IP addresses.

subnet

divide single nw into multiple nw(child of nw) because have different access to diff. user.

12.IAM

user-human,application(consume AWS service)

group-set of user

13.sudo yum - is the package manager.

14.pwd-present working directory

15.IAM identity and access management system