

# Face Detecting App

(Using AWS services)

## Owner

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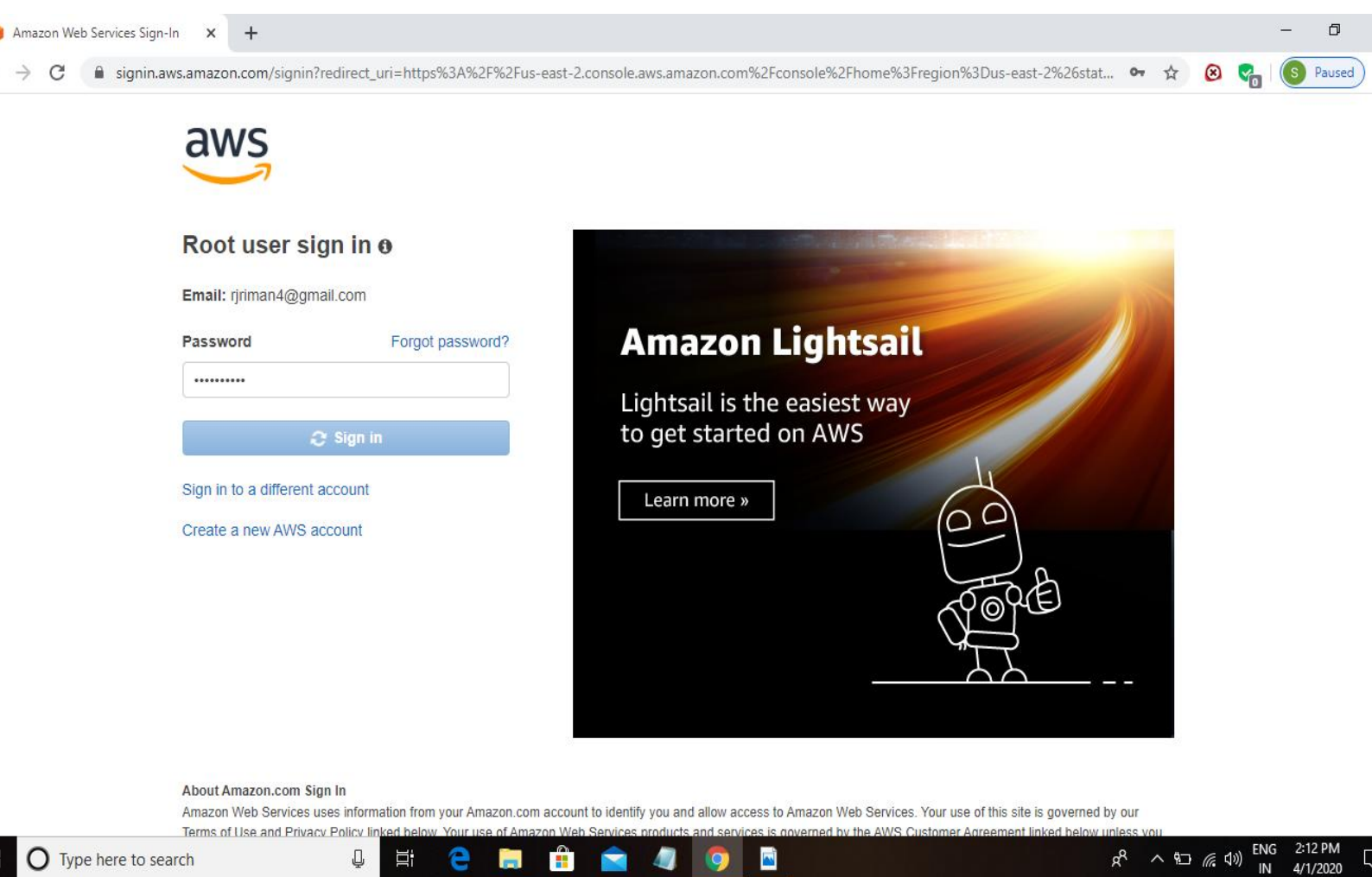
Contact No: 8609997631

AWS username: Riman

**Screenshots:**

## Screenshots needs for Dashboards

### 1. AWS Login screen with username



## 2. EC2 Dashboard

The screenshot shows the AWS EC2 Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information (Riman, Ohio). A blue banner at the top right says 'Welcome to the new EC2 console!' and mentions a redesign. On the left, a sidebar lists navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', and 'INSTANCES'. The main content area is titled 'EC2' and contains a 'Resources' section. This section lists various Amazon EC2 resources and their counts in the US East (Ohio) Region.

Resources	
You are using the following Amazon EC2 resources in the US East (Ohio) Region:	
Running instances	1
Elastic IPs	0
Dedicated Hosts	0
Snapshots	0
Volumes	1
Load balancers	0
Key pairs	2
Security groups	3

At the bottom, there's a footer with 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of U'.

## 3. S3 Dashboard

The screenshot displays the Amazon S3 Management Console interface. The left sidebar contains navigation options: Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight (2). The main content area shows the 'Buckets (1)' section with a search bar and a table of buckets. The table has columns for Name, Region, Access, and Bucket created. A single bucket named 'aws-riman-test' is listed, located in 'US East (Ohio) us-east-2' with the access setting 'Objects can be public' and created on '2020-03-31T12:47:09.000Z'. Above the table are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. The bottom of the image shows the Windows taskbar with the search bar, taskbar icons, and system tray.

Amazon S3 Management Console

Services Resource Groups

Amazon S3

Buckets (1)

Copy ARN Empty Delete Create bucket

Find bucket by name

Name	Region	Access	Bucket created
aws-riman-test	US East (Ohio) us-east-2	Objects can be public	2020-03-31T12:47:09.000Z

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Type here to search

ENG IN 2:38 PM 4/1/2020

## 4. Rekognition Dashboard

The screenshot displays the Amazon Rekognition Console interface. At the top, the browser address bar shows the URL `us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/`. The AWS navigation bar includes the 'aws' logo, 'Services', 'Resource Groups', and user information for 'Riman' in 'Ohio'. A left-hand sidebar lists navigation options: 'Amazon Rekognition', 'Custom Labels' (marked as 'New'), 'Use Custom Labels', 'Demos' (with sub-items like 'Object and scene detection', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', and 'Text in image'), 'Video Demos' (with 'Video analysis'), and 'Metrics'. The main content area features 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 header are two buttons: 'Try Demo' and 'Download SDKs'. The bottom section of the dashboard highlights three key features with icons and text: 'Easily Integrate Powerful Visual Analytics into Your Applications' (represented by a stack of layers icon), 'Continuously Learning' (represented by a circuit icon), and 'Integrated with AWS' (represented by puzzle pieces icon). The footer contains copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', along with links to 'Privacy Policy' and 'Terms of Use'. The Windows taskbar at the very bottom shows the search bar and several application icons.

# Screenshots needed for EC2

## 1. Choosing an AMI

Launch instance wizard | EC2 M... 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 1: Choose an Amazon Machine Image (AMI) [Cancel and Exit](#)

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

1 to 40 of 40 AMIs

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

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-01b01bbd08f24c7a8 [Select](#)

Amazon Linux

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, 64-bit (x86)

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## 2. Choosing an Instance Type

Launch instance wizard | EC2 Main | x

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

aws Services Resource Groups Riman 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 2: Choose an Instance Type

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
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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Type here to search 9:10 PM 3/31/2020

# 3. Adding Storage

Launch instance wizard | EC2 Ma x

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

Paused

aws

Services Resource Groups

Support

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

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## 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

Paused

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:**

**Description:**

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

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Type here to search

9:12 PM 3/31/2020

## 5. Key Pair Download

The screenshot shows the AWS Management Console interface during the 'Launch instance wizard'. The wizard is at Step 7: Review Instance Details. A modal dialog box is open, titled 'Select an existing key pair or create a new key pair'. The dialog explains that a key pair consists of a public key (stored by AWS) and a private key file (stored by the user). It notes that the selected key pair will be added to the set of keys authorized for the instance. The dialog has a dropdown menu set to 'Create a new key pair' and a text input field for the 'Key pair name' containing 'aws-riman-key'. A 'Download Key Pair' button is visible. A blue information box at the bottom of the dialog states: '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.' The background shows the 'Security Groups' section of the wizard, with a table listing security groups (SSH, HTTP, HTTP) and their descriptions. The bottom of the screen shows a Windows taskbar with the search bar and various application icons, and a system tray with the date and time (9:17 PM, 3/31/2020).

Launch instance wizard | EC2 Management Console

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 7: Review Instance Details

Security Groups

Security group name

Description

Type

SSH

HTTP

HTTP

Instance Details

Storage

Feedback English (US)

aws-riman-key.pem

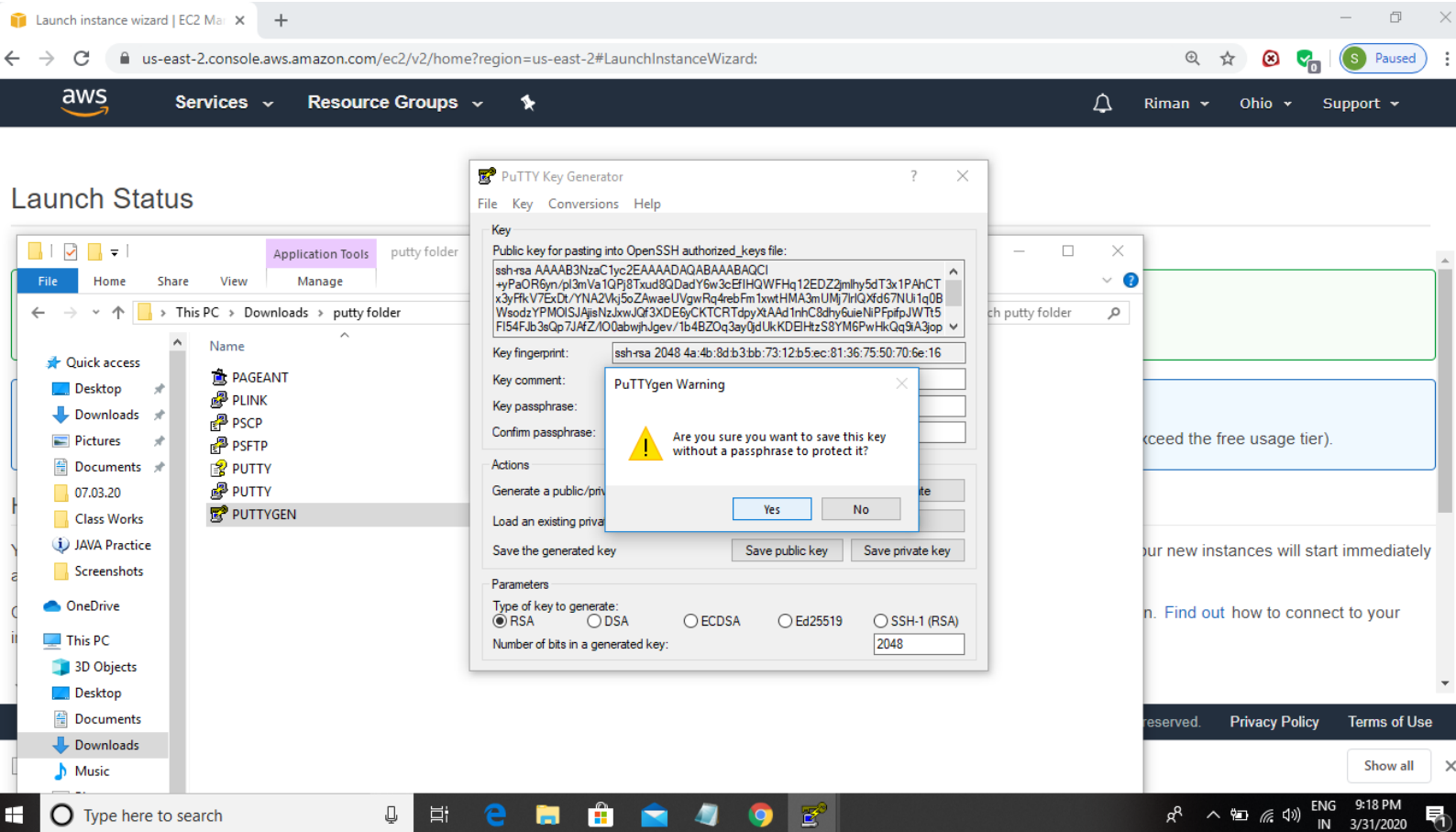
Show all

Type here to search

9:17 PM 3/31/2020

ENG IN

## 6. PuTTYgen conversion from pem to ppk



## 7. Logged in EC2 black screen

The screenshot shows the AWS Management Console for the us-east-2 region. A terminal window is open, displaying the login process for the ec2-user. The terminal output includes the Amazon Linux 2 logo, the URL https://aws.amazon.com/amazon-linux-2/, and a message about security updates. The instance is in a 'running' state, as indicated by the green dot and '2/2 checks ...' in the console table.

**Terminal Output:**

```
ec2-user@ip-172-31-33-250:~  
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-172-31-33-250 ~]$
```

**EC2 Instance Details:**

Instance State	Status Checks	Alarm Status	Public DNS
terminated		None	
running	2/2 checks ...	None	ec2-18-221-193-120.us-east-2.compute.amazonaws.com

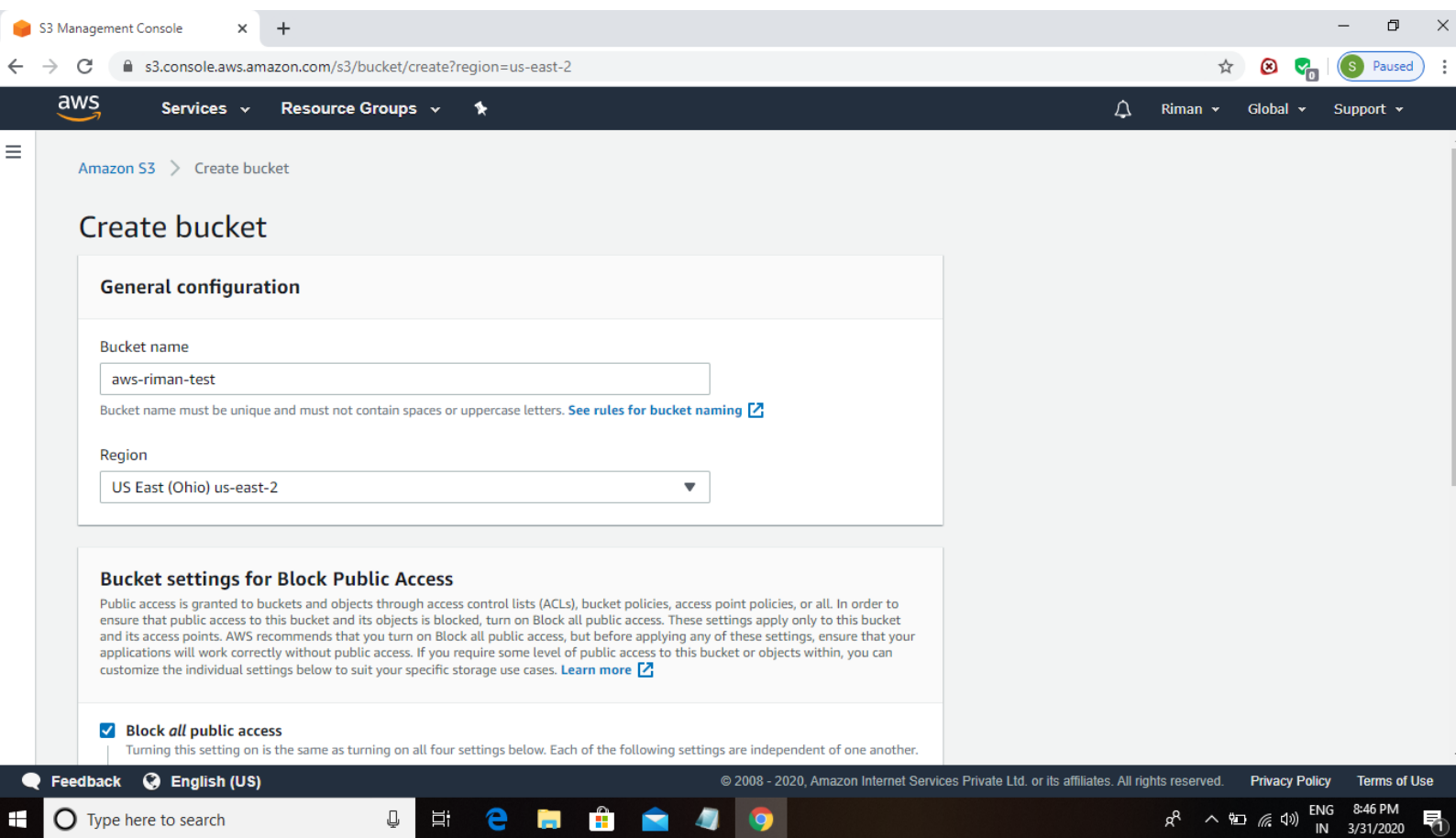
**Instance Information:**

Description	Status Checks	Monitoring	Tags
Instance ID	i-0a5a38959502d437b		
Instance state	running		
Public DNS (IPv4)	ec2-18-221-193-120.us-east-2.compute.amazonaws.com		
IPv4 Public IP	18.221.193.120		

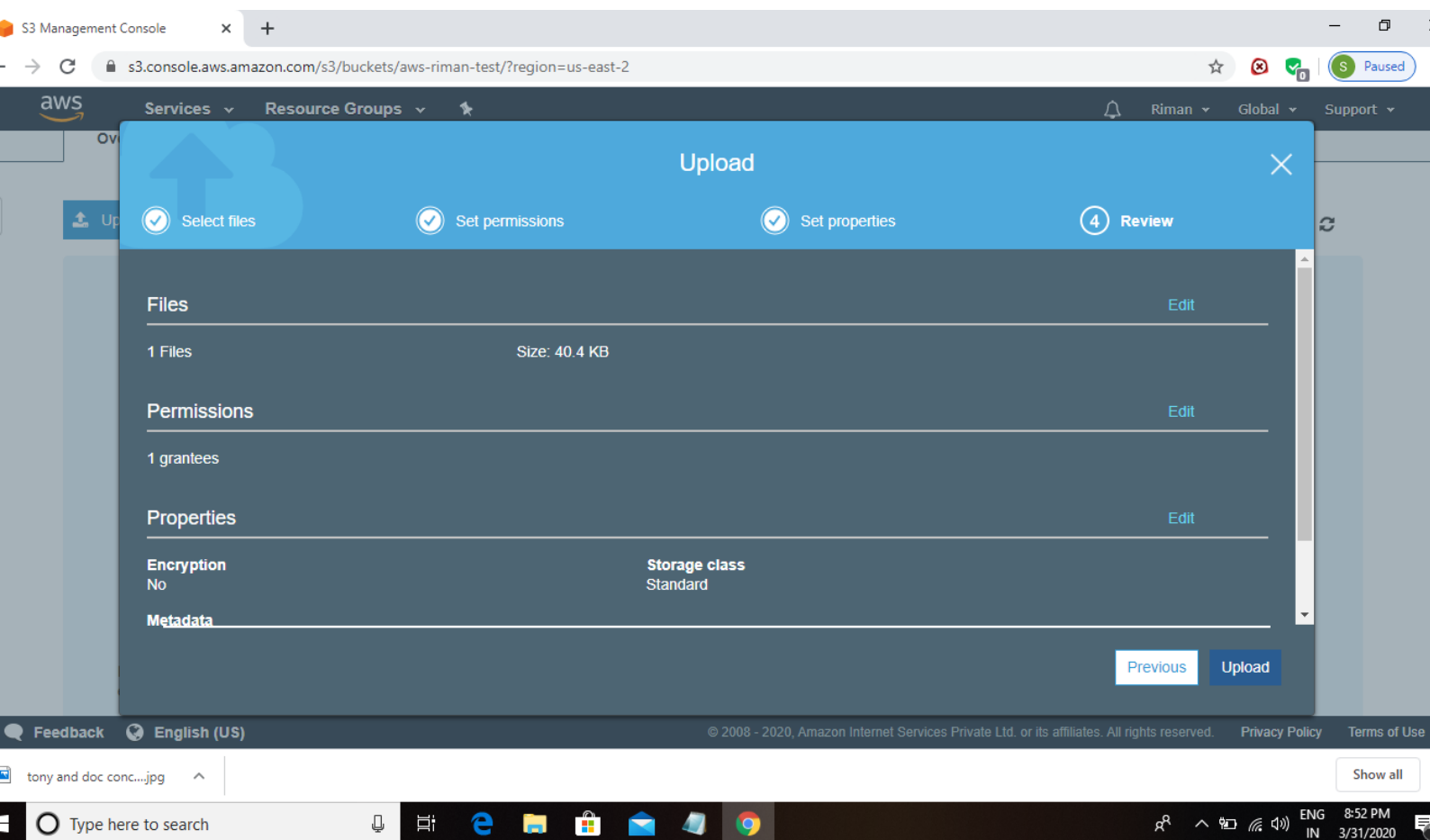
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# Screenshots needed for S3

## 1. Creating a bucket



## 2. Uploading an Object



### 3. Enabling Static Website

The screenshot displays the AWS S3 Management Console interface. The main content area shows the 'Static website hosting' configuration for the bucket 'aws-riman-test'. The configuration is currently set to 'Disabled'. The 'Endpoint' is 'http://aws-riman-test.s3-website.us-east-2.amazonaws.com'. The 'Index document' is 'tony and doc concept art.jpg' and the 'Error document' is 'error.html'. There are no redirection rules. The 'Redirect requests' and 'Disable website hosting' options are also visible. The left sidebar shows 'Versioning' and 'Server access logging' settings, both of which are disabled. The bottom status bar indicates '0 In progress', '1 Success', and '0 Error' operations. The footer shows the AWS logo, 'Feedback', 'English (US)', and copyright information for 2008-2020.

S3 Management Console

s3.console.aws.amazon.com/s3/buckets/aws-riman-test/?region=us-east-2&tab=properties

Static website hosting

Endpoint : <http://aws-riman-test.s3-website.us-east-2.amazonaws.com>

☒ Use this bucket to host a website [Learn more](#)

Index document [i](#)

tony and doc concept art.jpg

Error document [i](#)

error.html

Redirection rules (optional) [i](#)

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

☐ Disabled

Cancel Save

Versioning

Keep multiple versions of an object in the same bucket.

[Learn more](#)

Disabled

Server access logging

Set up access log records that provide details about access requests.

[Learn more](#)

Disabled

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

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tony and doc conc...jpg

Show all

Type here to search

8:56 PM 3/31/2020

## 4. Making the Object Public

The screenshot displays the AWS S3 Management Console interface. The browser address bar shows the URL: `s3.console.aws.amazon.com/s3/object/aws-riman-test/tony%2520and%2520doc%2520concept%2520art.jpg?region=us-east-2&tab=overview`. The console header includes the AWS logo, 'Services', 'Resource Groups', and user information 'Riman', 'Global', and 'Support'. The breadcrumb trail indicates the path: 'Amazon S3 > aws-riman-test > tony and doc concept art.jpg'. The object name 'tony and doc concept art.jpg' is displayed with a 'Latest version' dropdown. Below this, there are four tabs: 'Overview' (selected), 'Properties', 'Permissions', and 'Select from'. A row of buttons is visible: 'Open', 'Download', 'Download as', 'Make public' (highlighted in blue), and 'Copy path'. The object's metadata is shown below the buttons: 'Owner' (9a4a491a2fc0191f58eb88440468a7ec21ca07c33a40d2cb77b601a194c9515a), 'Last modified' (Mar 31, 2020 8:53:08 PM GMT+0800), 'Etag' (3ad7c75345fe0d2f3cd05a082f7d9af2), and 'Storage class'. At the bottom of the console, there is a status bar showing 'Operations' with '0 In progress', '1 Success', and '0 Error'. The footer contains 'Feedback', 'English (US)', copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', 'Privacy Policy', and 'Terms of Use'. The Windows taskbar at the bottom shows the search bar, task view, and several application icons, with the system clock indicating 8:57 PM on 3/31/2020.

Amazon S3 > aws-riman-test > tony and doc concept art.jpg

tony and doc concept art.jpg Latest version ▾

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

**Owner**  
9a4a491a2fc0191f58eb88440468a7ec21ca07c33a40d2cb77b601a194c9515a

**Last modified**  
Mar 31, 2020 8:53:08 PM GMT+0800

**Etag**  
3ad7c75345fe0d2f3cd05a082f7d9af2

**Storage class**

Operations 0 In progress 1 Success 0 Error

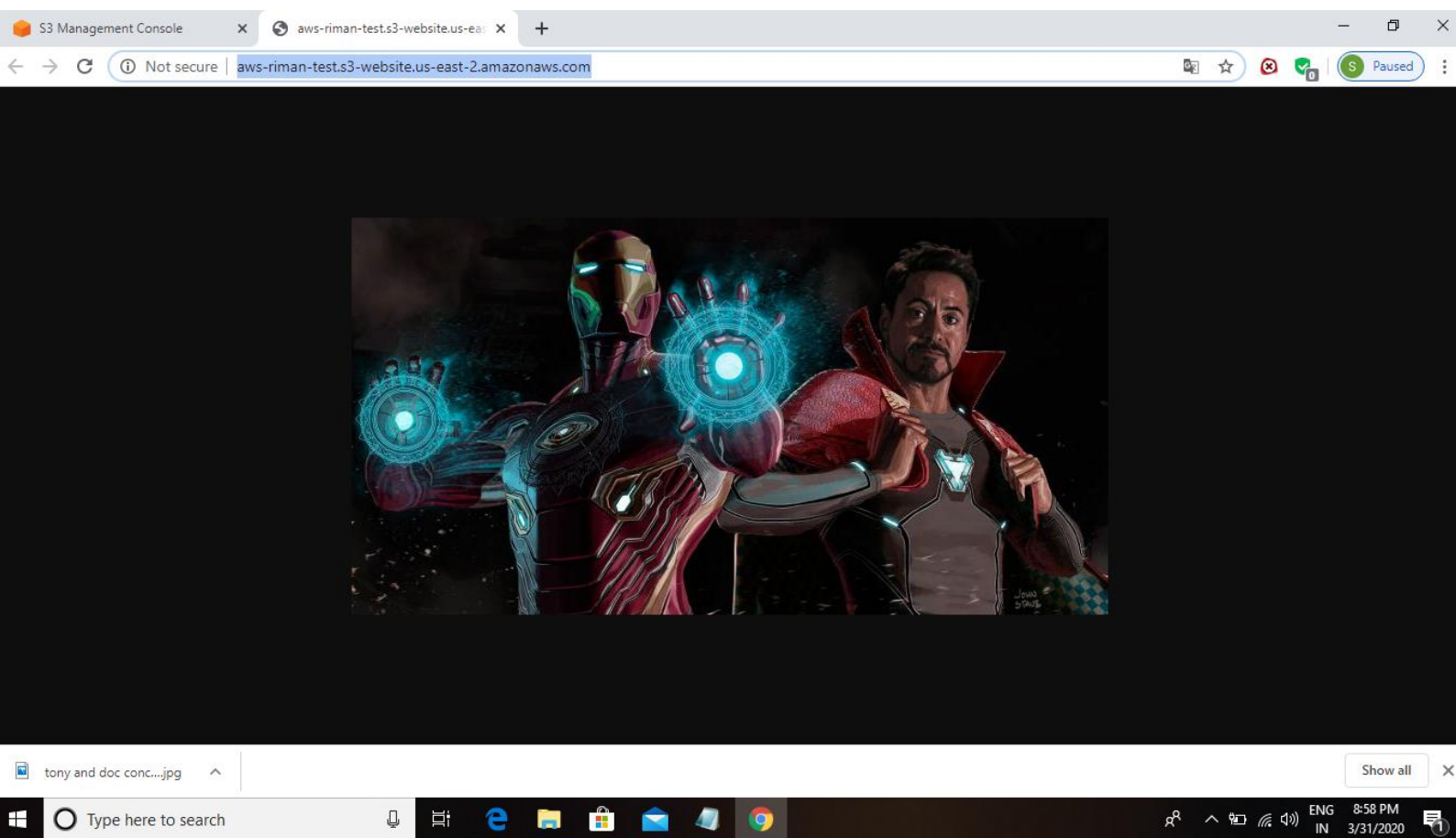
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tony and doc conc...jpg Show all

Type here to search 8:57 PM 3/31/2020



## 5. Checking the S3 link on the browser



# Screenshots needed for Rekognition

## 1. Face Detect

Rekognition Console

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

aws Services Resource Groups


Riman Ohio Support

### 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

### Object and scene detection

Rekognition automatically labels objects, concepts and scenes in your images, and provides a confidence score.



Choose a sample image

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

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

#### Results

Person	98.7 %
Human	98.7 %
Fashion	95.4 %
Accessory	95.4 %
Accessories	95.4 %
Sunglasses	95.4 %

[Show more](#)

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## 2. Face Compare

Rekognition Console

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

aws Services Resource Groups

Riman Ohio Support


### Amazon Rekognition

- Custom Labels <sup>New</sup>
  - Use Custom Labels
- Demos
  - Object and scene detection
  - Image moderation
  - Facial analysis
  - Celebrity recognition
  - Face comparison**
  - Text in image
- Video Demos
  - Video analysis
- Metrics



### Face comparison

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


Reference face





Choose a sample image



Comparison faces





Choose a sample image





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

▼ Results

 $=$ 

Similarity 99 %

 $=$ 

Similarity 92.9 %

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Feedback English (US)

Type here to search

2:28 PM 4/1/2020

### 3. Celebrity Recognition

Rekognition Console

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

Services Resource Groups

Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

**Celebrity recognition**

Face comparison

Text in image


Video Demos

Video analysis

Metrics

## Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.




Choose a sample image


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

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

Results

 **Tom Holland**  
[Learn More](#)

Match confidence 100 %

 **Quoc Trung**

Match confidence 68 %

Feedback English (US)

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## 4. Text in Image

Amazon Rekognition Console

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

Services Resource Groups

Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

**Text in image**

Video Demos

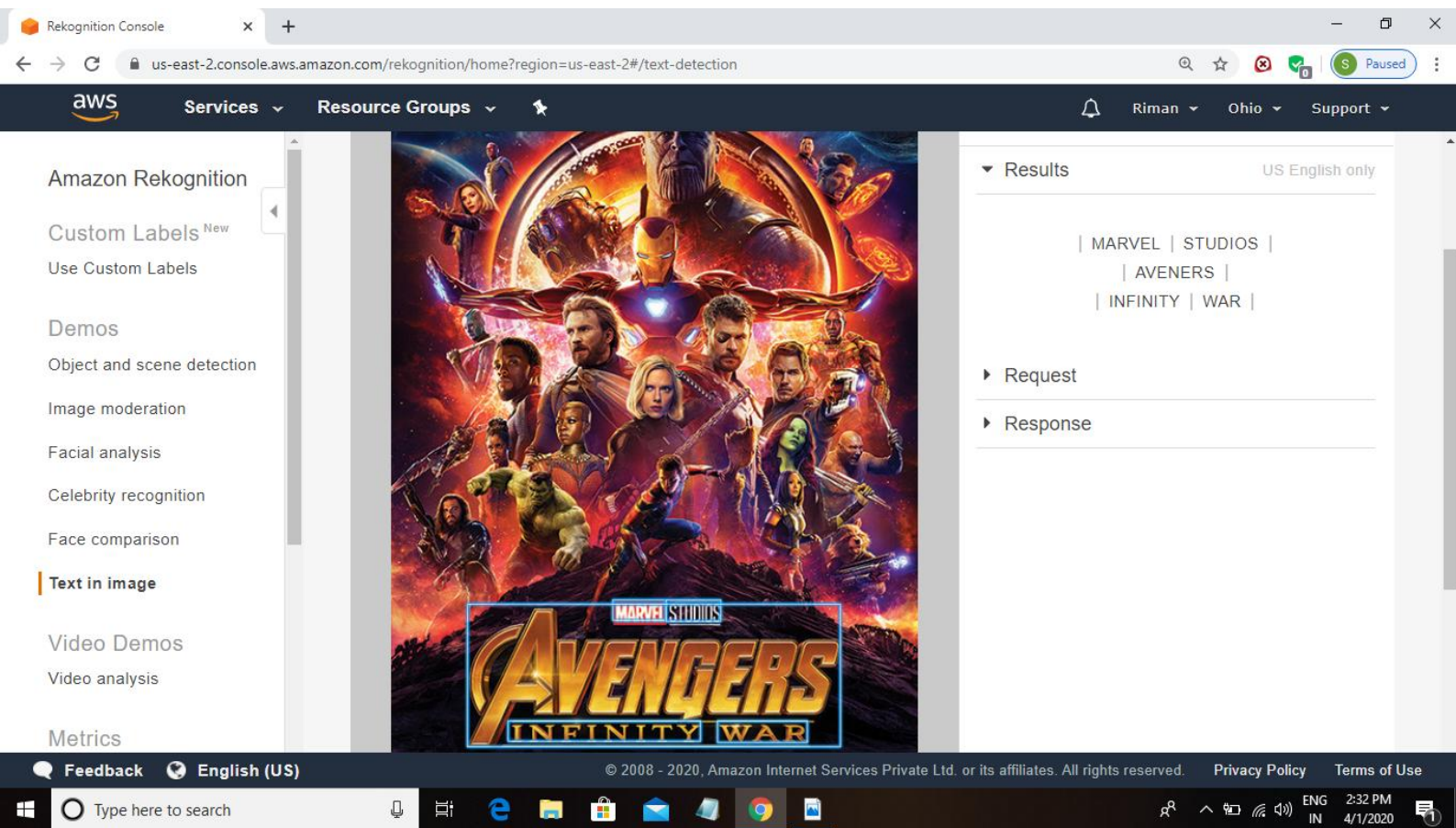
Video analysis

Metrics

Feedback English (US)

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2:32 PM 4/1/2020



Results US English only

MARVEL | STUDIOS |  
AVENERS |  
INFINITY | WAR |

Request

Response

## Screenshots needed for EC2 & S3

# 1. Installing aws-sdk

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Riman, Ohio, Support). The left sidebar shows navigation options like 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES', and 'IMAGES'. The main content area shows a table of EC2 instances. One instance, 'ec2-18-221-193-120', is highlighted, showing its details: Name, Instance ID, Instance Type, Availability Zone, Instance State (running), Status Checks (2/2 checks passed), Alarm Status (None), and Public DNS (ec2-18-221-193-120.us-east-2.compute.amazonaws.com). An IPv4 Public IP of 18.221.193.120 is also listed. A terminal window is open, showing the command 'sudo php -d memory\_limit=-1 ~/composer.phar require aws/aws-sdk-php' and its output, which includes package information and installation progress for symfony/event-dispatcher, guzzle/guzzle, and aws/aws-sdk-php.

Instances | EC2 Management Console

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

Services Resource Groups

New EC2 Experience Tell us what you think

EC2 Dashboard New

Events New

Tags

Reports

Limits

▼ INSTANCES

Instances

Instance Type

Launch Temp

Spot Request

Savings Plans

Reserved Ins

Dedicated Ho

Capacity Res

▼ IMAGES

Feedback English (US)

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2:44 PM 4/1/2020

## 2. Installing php

The screenshot displays the AWS Management Console interface. At the top, the navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Riman, Ohio, Support). The main content area shows the 'Instances' page with a table of EC2 instances. One instance is visible, named 'ec2-18-221-193-120', with a state of 'running'. A terminal window is overlaid on the console, showing the command `sudo yum install php` being executed. The output indicates that the package is already installed and is the latest version. The terminal window title is `ec2-user@ip-172-31-33-250: /var/www/html/face`. The terminal output is as follows:

```
[ec2-user@ip-172-31-33-250 face]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-33-250 face]$
```

The console also shows the instance's public DNS (IPv4) as `ec2-18-221-193-120.us-east-2.compute.amazonaws.com` and its IPv4 public IP as `18.221.193.120`. The bottom of the image shows the Windows taskbar with the search bar and various application icons.

Previously I installed php into my ec2 instance so now it's showing "already installed and latest version."

### 3. index.php file code

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Riman, Ohio, Support). The main content area displays the 'EC2 Dashboard' with a table of instances. A terminal window is open, showing the following PHP code:

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

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

$bucket = 'aws-riman-test';
$keyname = 'avenger.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'
    ]);
}
```

The terminal window title is 'ec2-user@ip-172-31-33-250:/var/www/html/face'. The background shows the EC2 instances table with columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, and Public DNS. The instance 'ec2-18-221-193-120' is shown in a 'running' state.

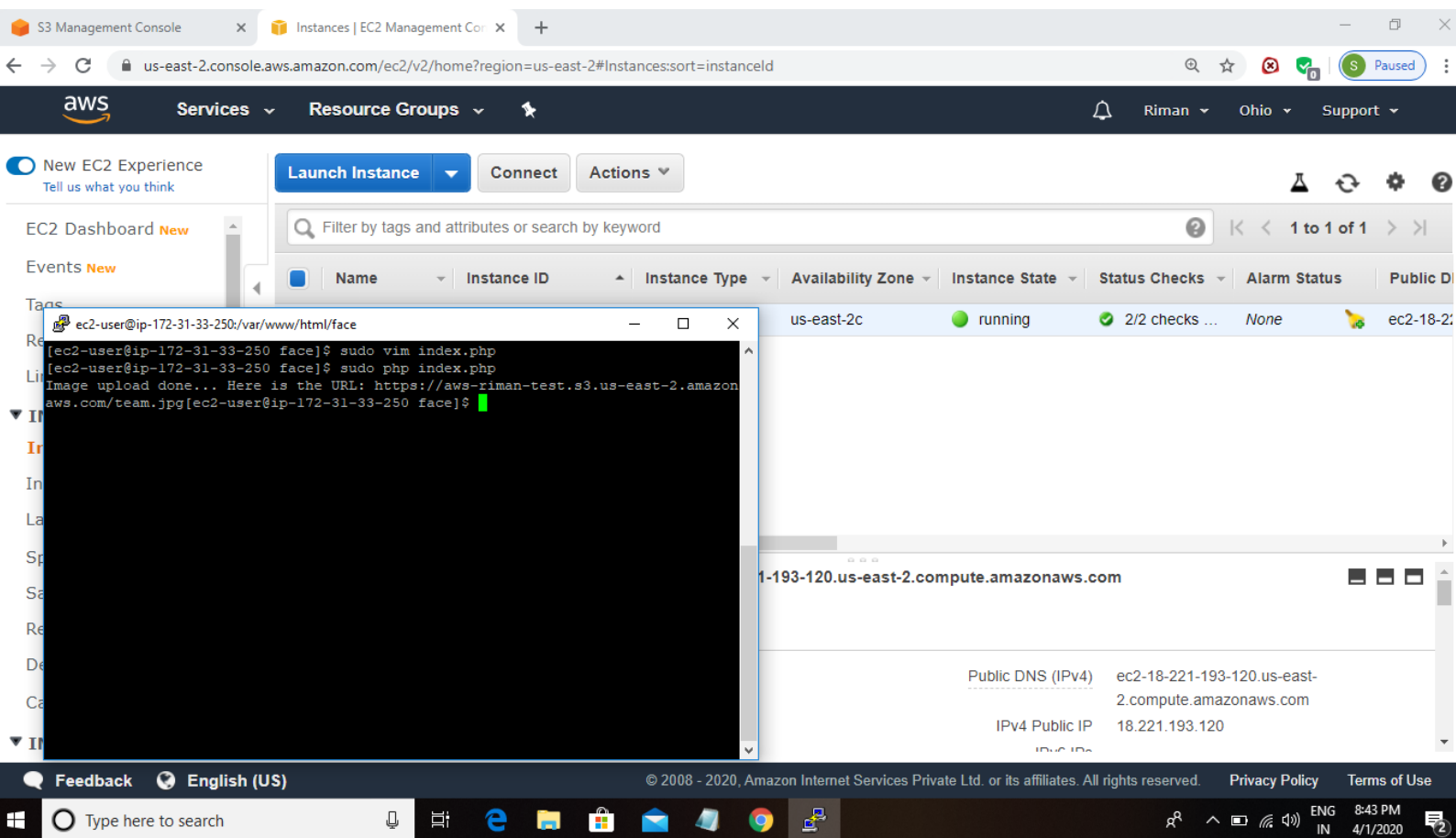
Public DNS (IPv4) ec2-18-221-193-120.us-east-2.compute.amazonaws.com  
IPv4 Public IP 18.221.193.120

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## 4. Upload success screenshot



url to access the image

<https://aws-riman-test.s3.us-east-2.amazonaws.com/team.jpg>