

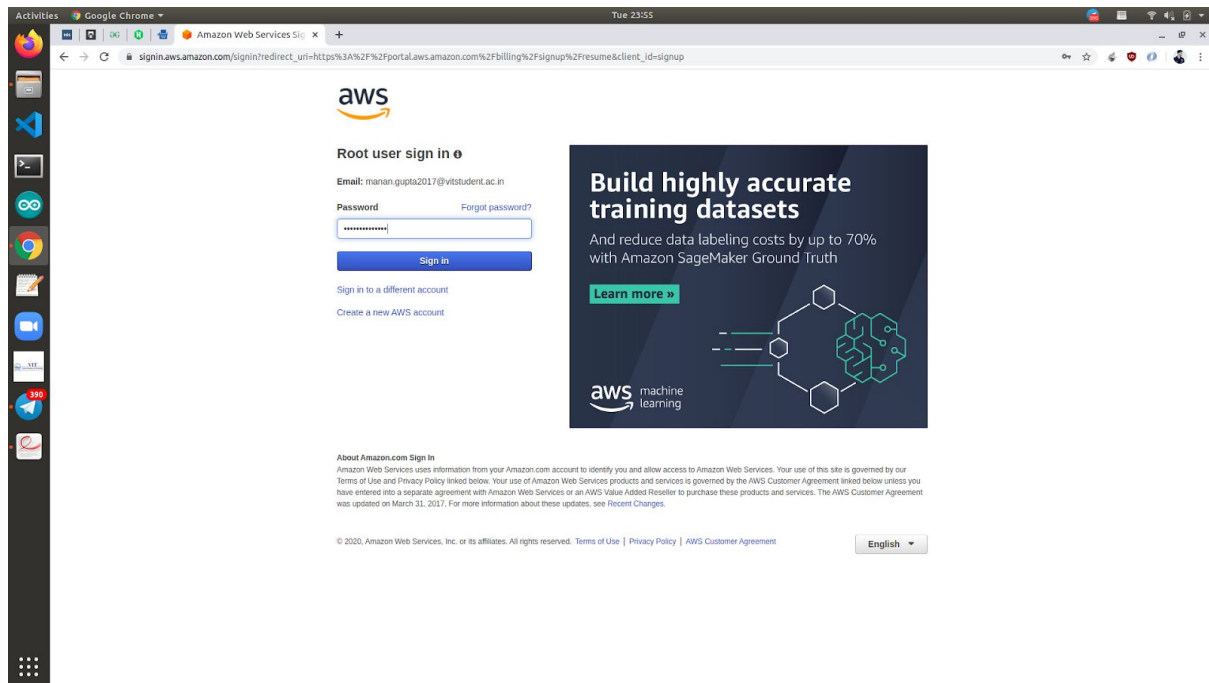
AWS Webinar Certification

Submitted to : **Ethnus**

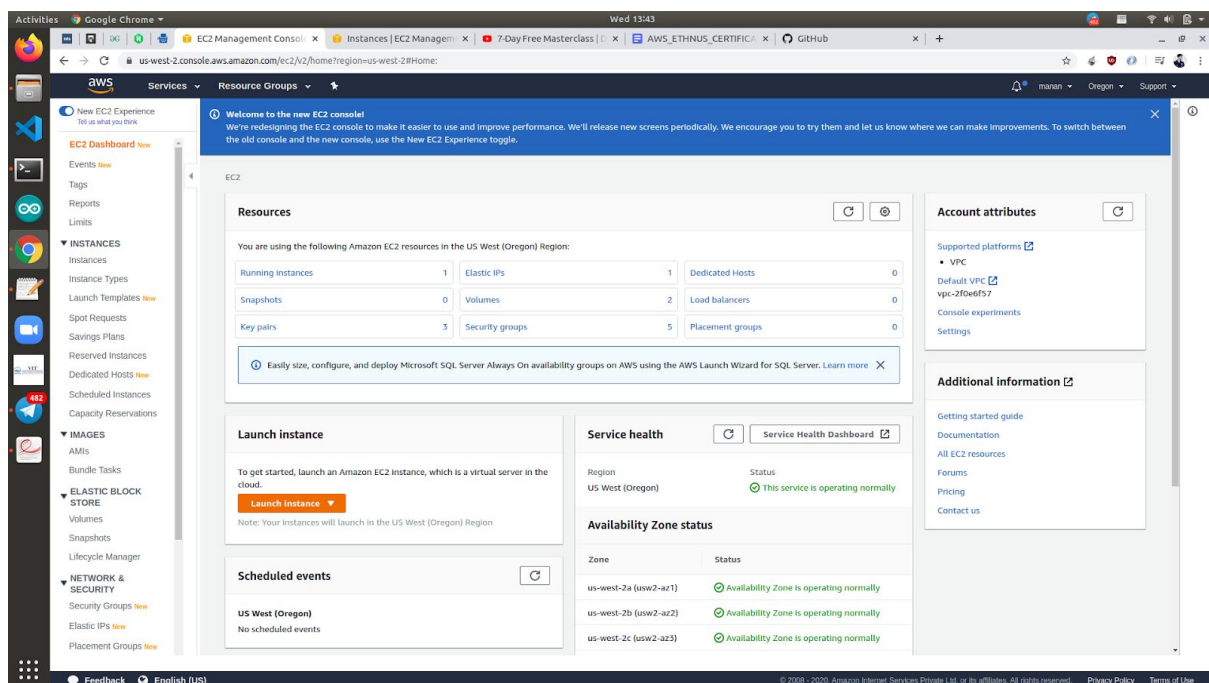
By : **Manan Gupta**

Screenshots needed for Dashboards :

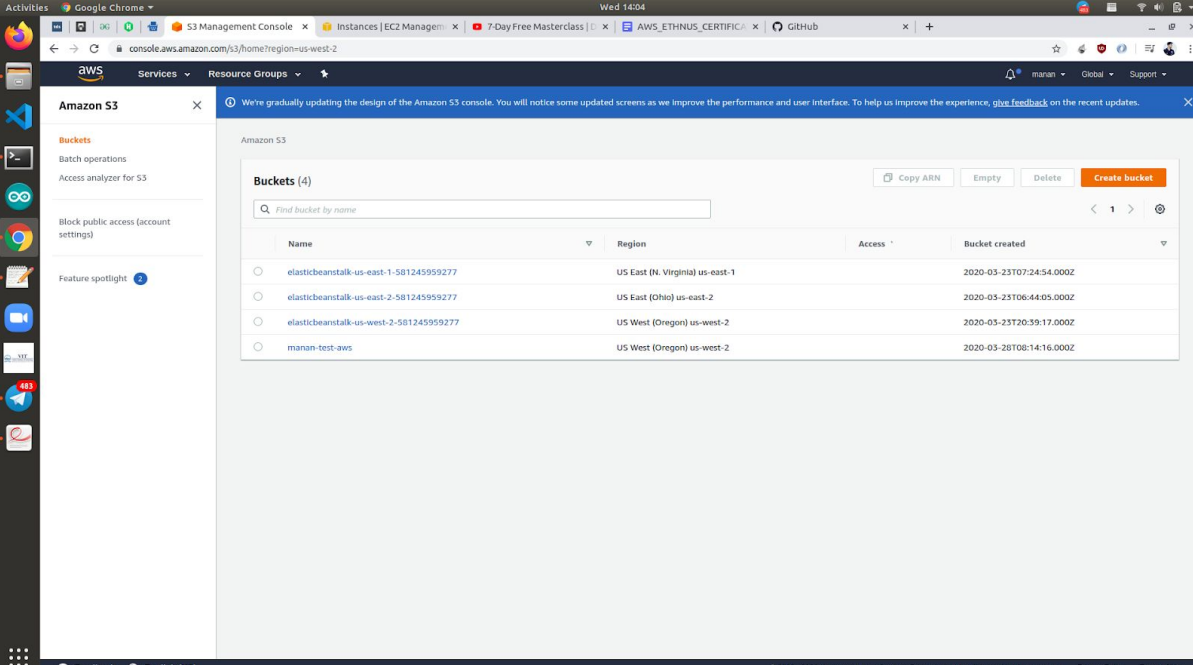
1. AWS Login screen with username



2 - EC2 Dashboard :



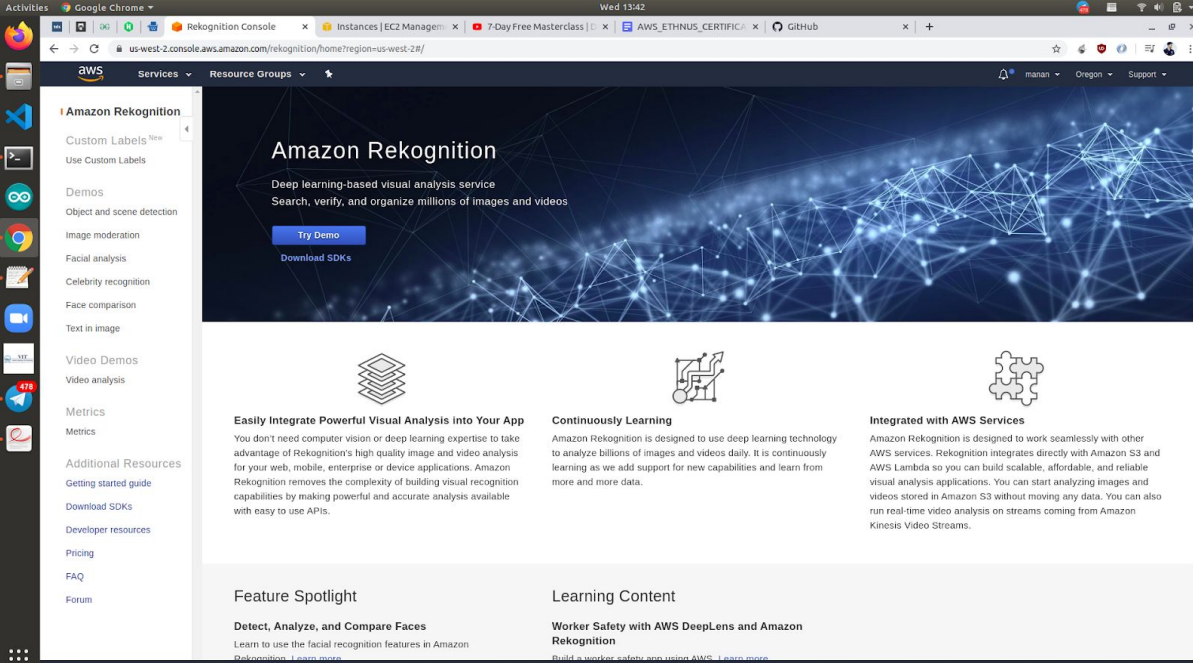
3 - S3 Dashboard



The screenshot shows the Amazon S3 console in a web browser. The left sidebar contains navigation options like 'Buckets', 'Batch operations', and 'Access analyzer for S3'. The main content area displays a table of buckets. At the top, there are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. Below the table, there is a search bar and pagination controls.

Name	Region	Access	Bucket created
elasticbeanstalk-us-east-1-581245959277	US East (N. Virginia) us-east-1		2020-03-23T07:24:54.000Z
elasticbeanstalk-us-east-2-581245959277	US East (Ohio) us-east-2		2020-03-23T06:44:05.000Z
elasticbeanstalk-us-west-2-581245959277	US West (Oregon) us-west-2		2020-03-23T20:39:17.000Z
manan-test-aws	US West (Oregon) us-west-2		2020-03-28T08:14:16.000Z

4 - Rekognition Dashboard



The screenshot shows the Amazon Rekognition console landing page. The left sidebar lists various features like 'Custom Labels', 'Demos', 'Image moderation', and 'Video analysis'. The main content area has a large header with the text 'Amazon Rekognition' and 'Deep learning-based visual analysis service'. Below this, there are three columns of content: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. At the bottom, there are sections for 'Feature Spotlight' and 'Learning Content'.

Amazon Rekognition
Deep learning-based visual analysis service
Search, verify, and organize millions of images and videos
[Try Demo](#)
[Download SDKs](#)

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 visual recognition capabilities by making powerful and accurate analysis available with easy to use APIs.

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.

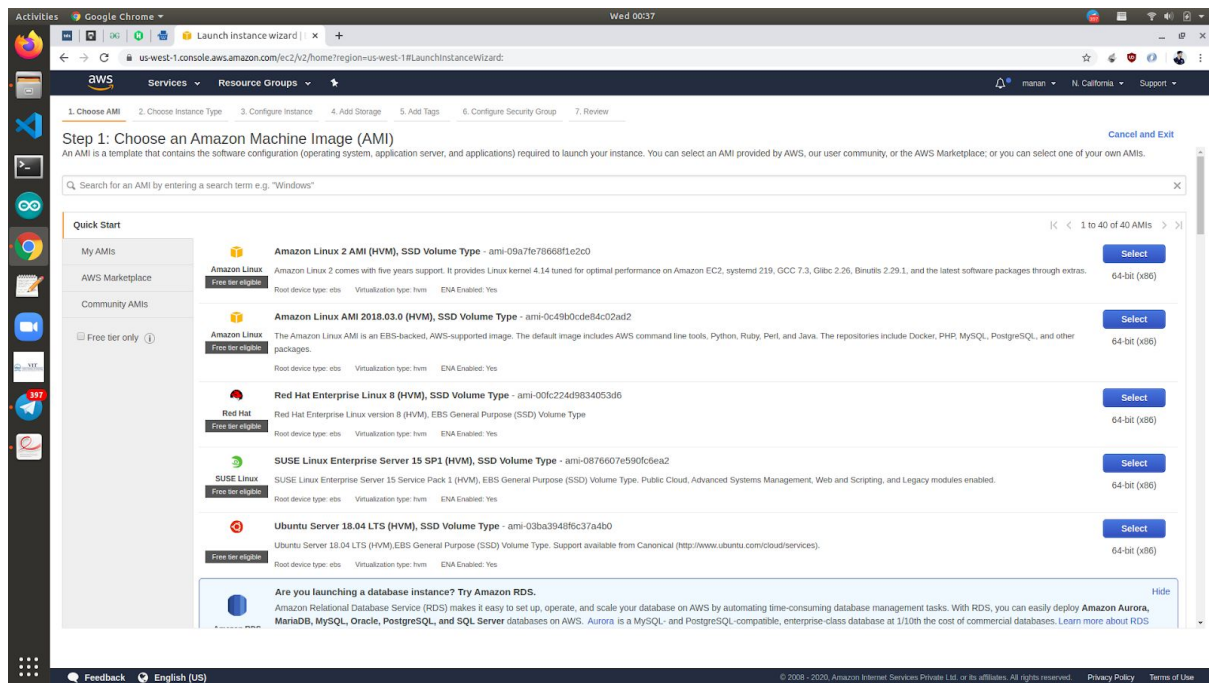
Integrated with AWS Services
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3 without moving any data. You can also run real-time video analysis on streams coming from Amazon Kinesis Video Streams.

Feature Spotlight
Detect, Analyze, and Compare Faces
Learn to use the facial recognition features in Amazon Rekognition. [Learn more](#)

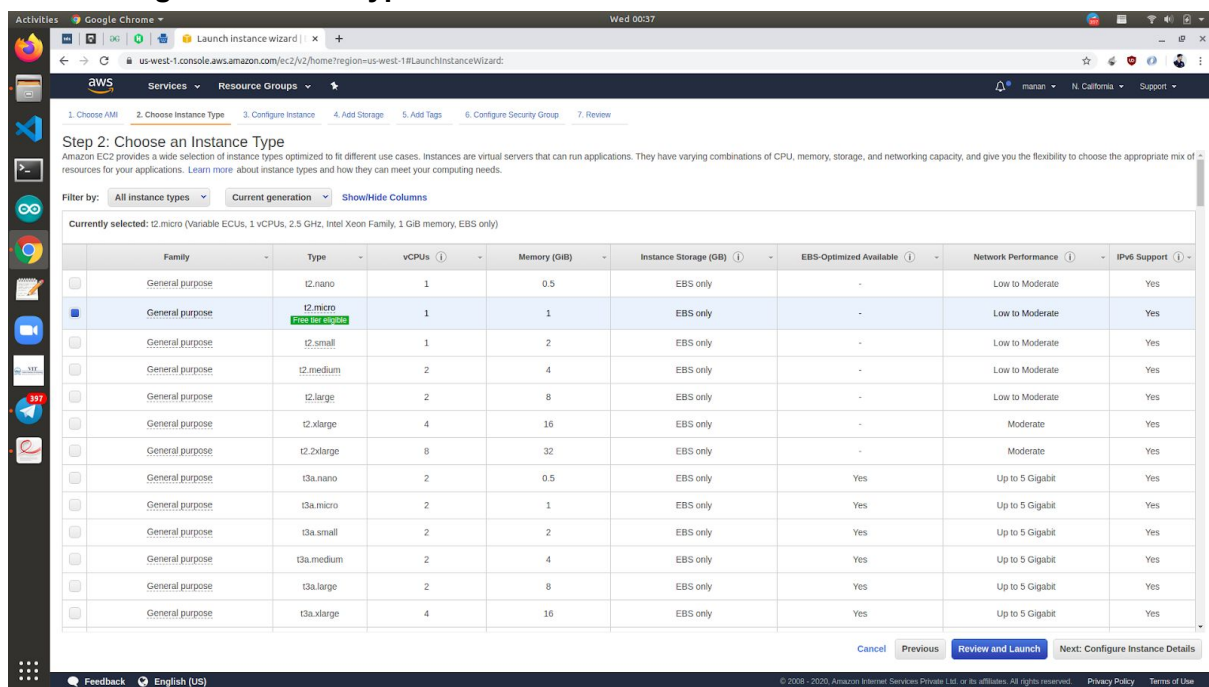
Learning Content
Worker Safety with AWS DeepLens and Amazon Rekognition
[Build a worker safety app using AWS](#) [Learn more](#)

Screenshots needed for EC2

1. Choosing an AMI



2. Choosing an Instance Type



3. Adding Storage

The screenshot shows the 'Step 4: Add Storage' page in the AWS Management Console. The page has a breadcrumb trail: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, 7. Review. Below the breadcrumb, there is a text block explaining that the instance will be launched with the following storage device settings and that additional EBS volumes can be attached after launch. A table lists the storage configuration for the 'Root' volume: Device is '/dev/xvda', Snapshot is 'snap-02d1d3b35a5efe188', Size is '8 GiB', Volume Type is 'General Purpose SSD (gp2)', IOPS is '100 / 3000', Throughput is 'N/A', Delete on Termination is checked, and Encryption is 'Not Encrypted'. An 'Add New Volume' button is located below the table. A blue information box states that free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Review and Launch', and 'Next: Add Tags'.

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-02d1d3b35a5efe188	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.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

4. Configuring Security Group

The screenshot shows the 'Edit inbound rules' page for a Security Group in the AWS Management Console. The breadcrumb trail is: EC2 > Security Groups > sg-097dcaded7ab7eb7 > launch-wizard-2 > Edit inbound rules. The page title is 'Edit inbound rules' with an 'info' icon. Below the title, it says 'Inbound rules control the incoming traffic that's allowed to reach the instance.' A table for 'Inbound rules' has columns for Type, Protocol, Port range, Source, and Description - optional. The first rule is for SSH (Type), TCP (Protocol), port 22 (Port range), with Source set to Custom and IP address 0.0.0.0/0. An 'Add rule' button is below the table. A red warning box contains a note: 'NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.' At the bottom right, there are buttons for 'Cancel', 'Preview changes', and 'Save rules'.

EC2 > Security Groups > sg-097dcaded7ab7eb7 > launch-wizard-2 > Edit inbound rules

Edit inbound rules [info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

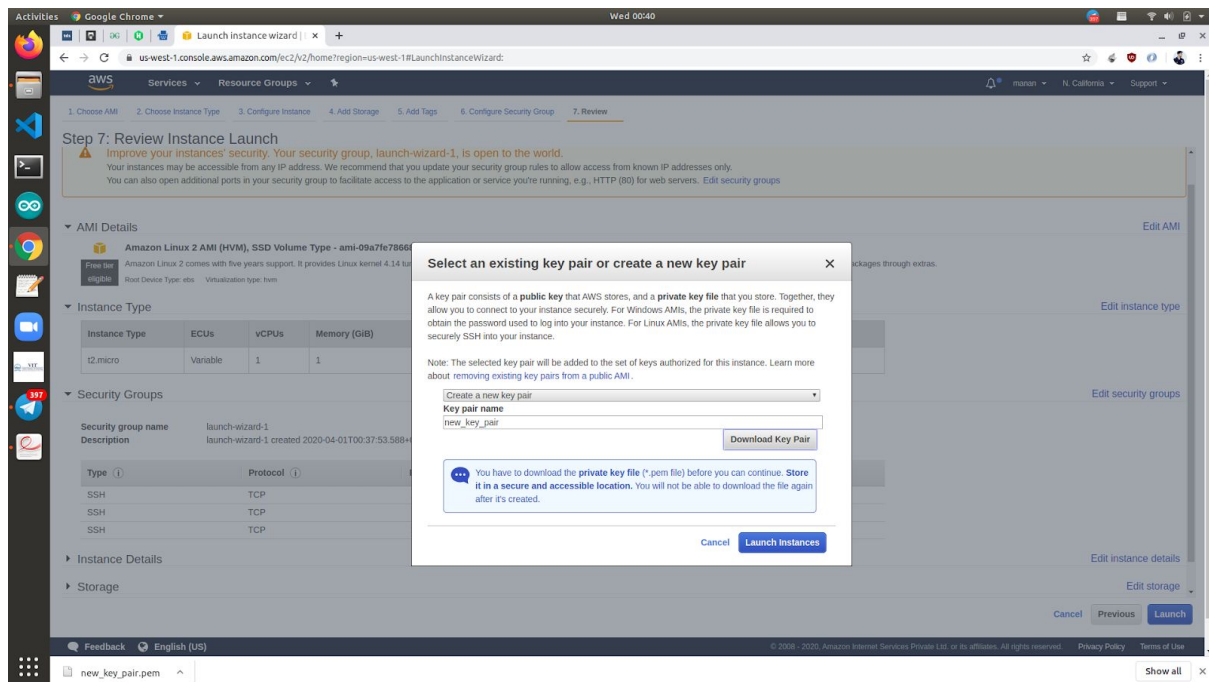
Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	Custom 0.0.0.0/0	

[Add rule](#)

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

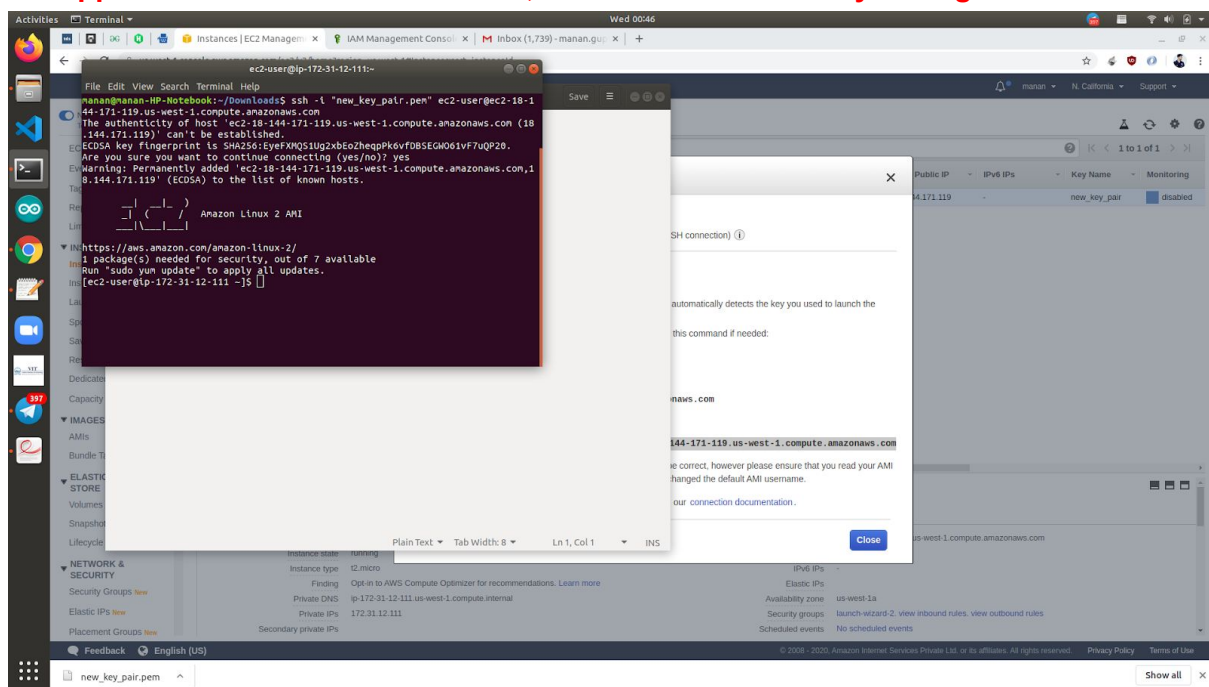
[Cancel](#) [Preview changes](#) [Save rules](#)

5. Key Pair Download



6. PuTTYgen conversion from pem to ppk

Not applicable --> I'm an Ubuntu User, I could connect directly through ssh

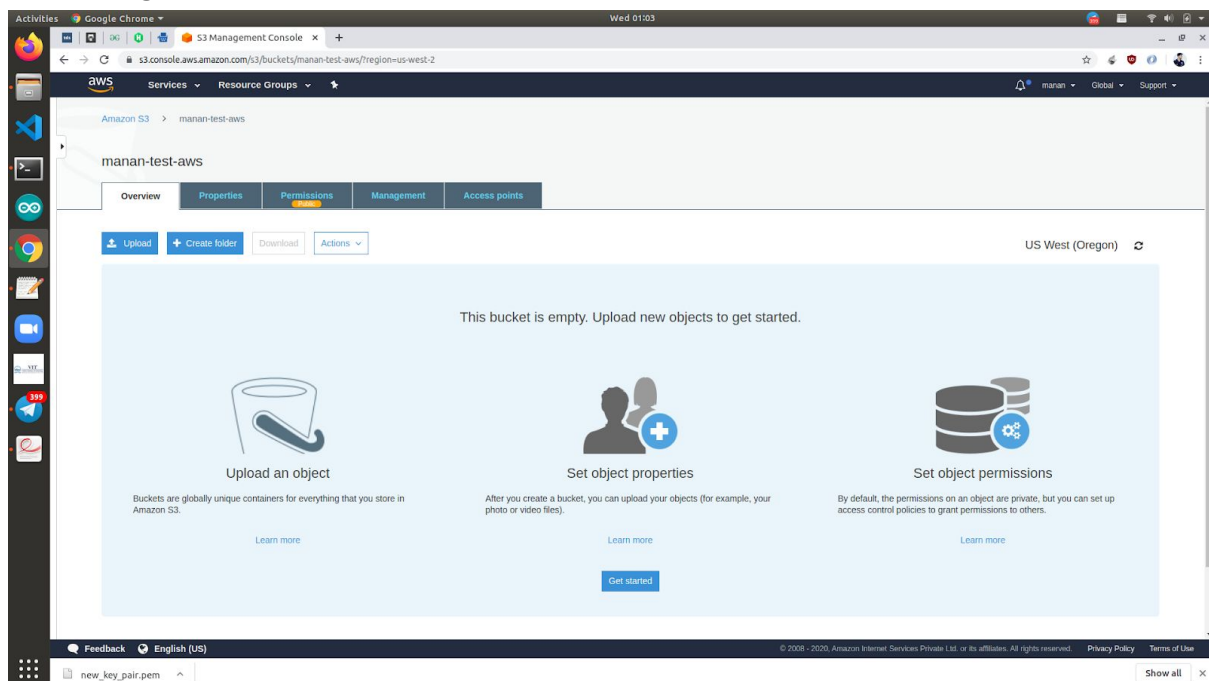


7. Logged in EC2 black screen

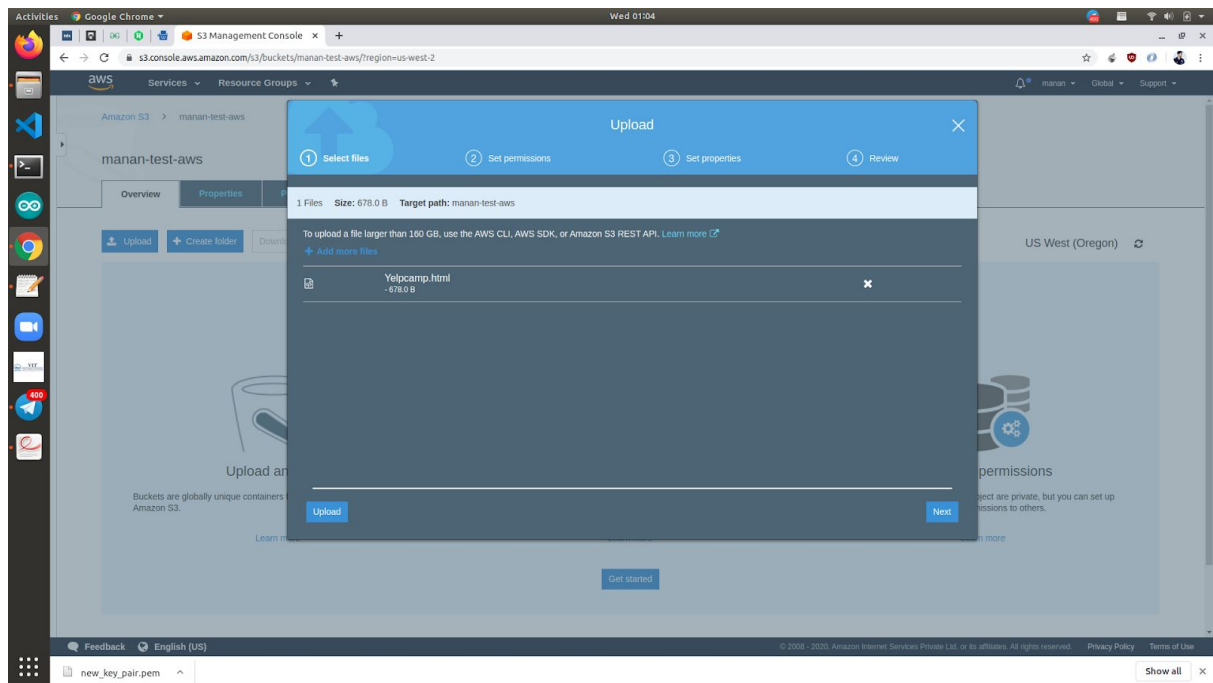

```
ec2-user@ip-172-31-12-111:~  
File Edit View Search Terminal Help  
manan@manan-HP-Notebook:~/Downloads$ ssh -i "new_key_pair.pem" ec2-user@ec2-18-1  
44-171-119.us-west-1.compute.amazonaws.com  
The authenticity of host 'ec2-18-144-171-119.us-west-1.compute.amazonaws.com (18  
.144.171.119)' can't be established.  
ECDSA key fingerprint is SHA256:EyeFXMQS1Ug2xbEoZheqpPk6vfDBSEGW061vF7uQP20.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added 'ec2-18-144-171-119.us-west-1.compute.amazonaws.com,1  
8.144.171.119' (ECDSA) to the list of known hosts.  
  
  _|_  _|_  )  
 _|_ ( _|_ /  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-172-31-12-111 ~]$ +
```

Screenshots needed for S3

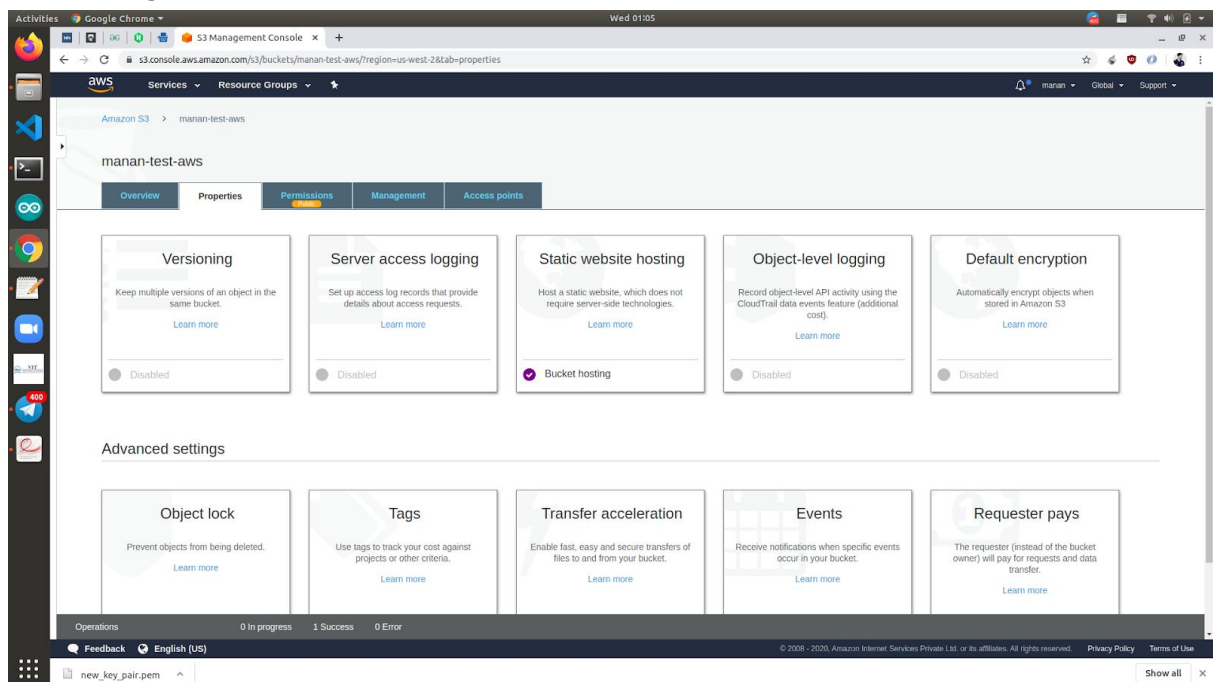
1. Creating a bucket



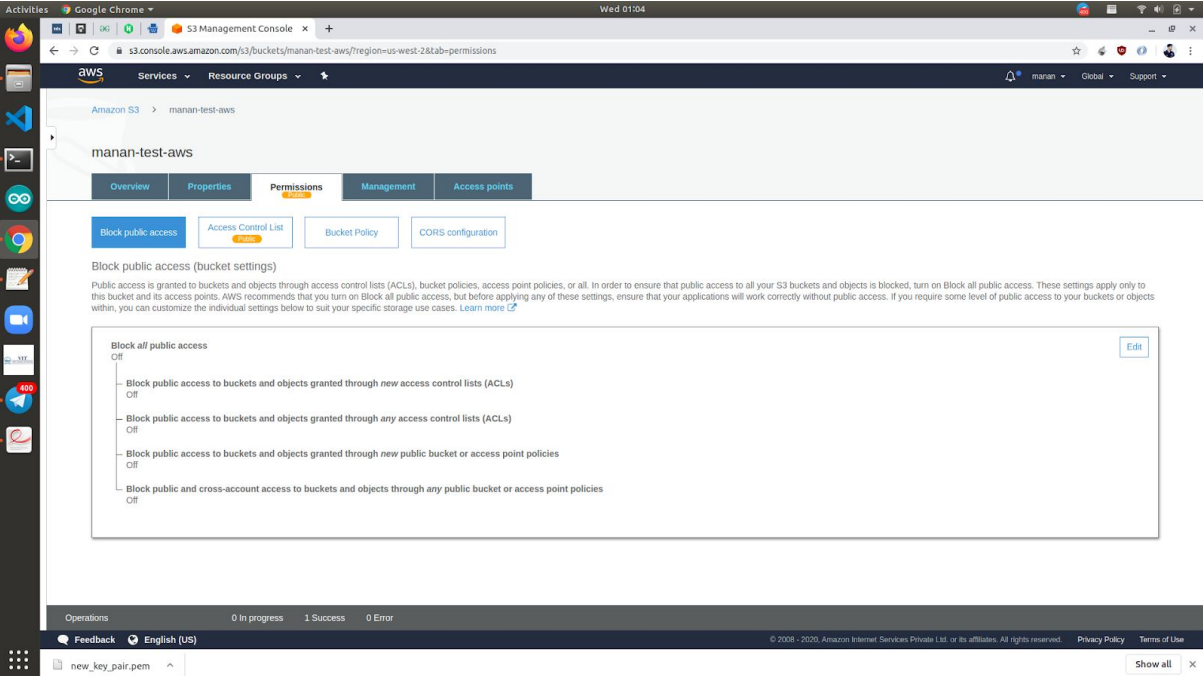
2. Uploading an Object



3. Enabling Static Website



4. Making the Object Public



The screenshot shows the AWS S3 console interface. The breadcrumb navigation indicates the path: Amazon S3 > manan-test-aws. The 'Permissions' tab is selected, showing options for 'Block public access', 'Access Control List', 'Bucket Policy', and 'CORS configuration'. The 'Block public access' section is expanded, displaying the following settings:

- Block all public access: Off
- Block public access to buckets and objects granted through new access control lists (ACLs): Off
- Block public access to buckets and objects granted through any access control lists (ACLs): Off
- Block public access to buckets and objects granted through new public bucket or access point policies: Off
- Block public and cross-account access to buckets and objects through any public bucket or access point policies: Off

Each setting has an 'Edit' button next to it. The bottom of the console shows an 'Operations' section with 0 in progress, 1 Success, and 0 Error. The footer includes a 'Feedback' link, the language 'English (US)', and copyright information for 2008-2020 Amazon Internet Services Private Ltd. or its affiliates.

5. Checking the S3 link on the browser

Activities Terminal Wed 01:07 AWS Project Submission guide.pdf 150%

ec2-user@ip-172-31-12-111:/var/www/html/face

```
File Edit View Search Terminal Help
httpd.x86_64 0:2.4.41-1.amzn2.0.1
httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1
libzip.x86_64 0:1.0.1-9.amzn2.0.5
mailcap.noarch 0:2.1-41-2.amzn2
mod_httpd.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-172-31-12-111 ~]$ curl -s 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-172-31-12-111 ~]$ cd /var/www/html
[ec2-user@ip-172-31-12-111 html]$ sudo mkdir face
[ec2-user@ip-172-31-12-111 html]$ cd face
[ec2-user@ip-172-31-12-111 face]$ sudo php -d memory_limit=-1 ~/composer.phar re
quitre aws/sdk-php
```

4. Upload success screenshot

Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot

Marking Scheme

Service	Marks
AWS (4 screenshots)	4
EC2 (7 screenshots)	7
S3 (5 screenshots)	5
Rekognition (4 screenshots)	4

3. index.php file code

```
ec2-user@ip-172-31-12-111:~
File Edit View Search Terminal Help
<?php
error_reporting(0);
require_once(__DIR__ . '/vendor/autoload.php');
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'manan-test-aws';
$keyname = 'sample.jpg';

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

try {
    // Upload data.
    $result = $s3->putObject([

```

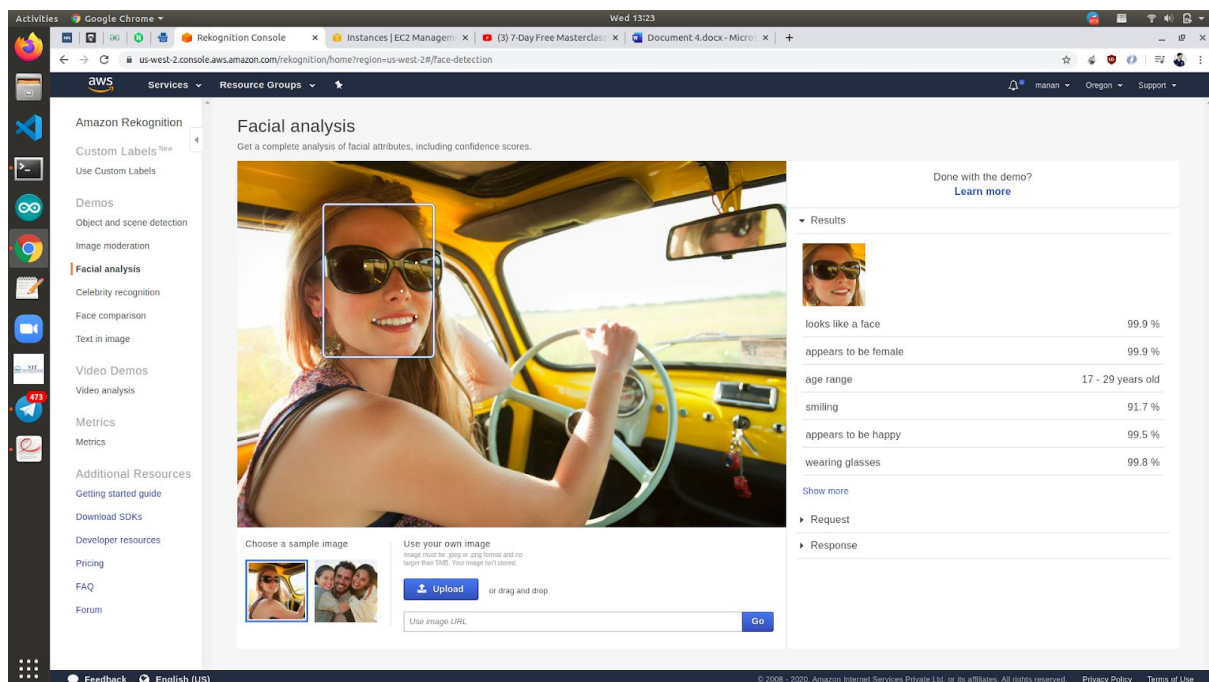
1,5 Top

4. Upload success screenshot

```
ec2-user@ip-172-31-12-111:/var/www/html/face
File Edit View Search Terminal Help
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-172-31-12-111 ~]$ cd /var/www/html
[ec2-user@ip-172-31-12-111 html]$ ls
face
[ec2-user@ip-172-31-12-111 html]$ cd face/
[ec2-user@ip-172-31-12-111 face]$ sudo php -d memory_limit=-1 ~/composer.phar re
quire 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/gu
zzle instead.
Generating autoload files
[ec2-user@ip-172-31-12-111 face]$ ls
composer.json composer.lock index.php sample.jpg vendor
[ec2-user@ip-172-31-12-111 face]$ sudp php index.php
-bash: sudp: command not found
[ec2-user@ip-172-31-12-111 face]$ sudo php index.php
Image upload done... Here is the URL: https://manan-test-aws.s3-us-west-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-12-111 face]$
```

Screenshots needed for Rekognition

1. Face Detect



2. Face Compare

Activities Google Chrome Wed 13:24

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

aws Services Resource Groups

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

Additional Resources

Getting started guide

Download SDKs

Developer resources

Pricing

FAQ

Forum

Feedback English (US)

Face comparison

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

Reference face

Comparison faces

Choose a sample image

Use your own image

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

Upload or drag and drop

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

Results

Similarity 99.8 %

Request

Response

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3. Celebrity Recognition

Activities Google Chrome Wed 13:23

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

aws Services Resource Groups

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

Additional Resources

Getting started guide

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Developer resources

Pricing

FAQ

Forum

Feedback English (US)

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

Choose a sample image

Use your own image

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

Upload or drag and drop

Use image URL

Go

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

Results

Jeff Bezos

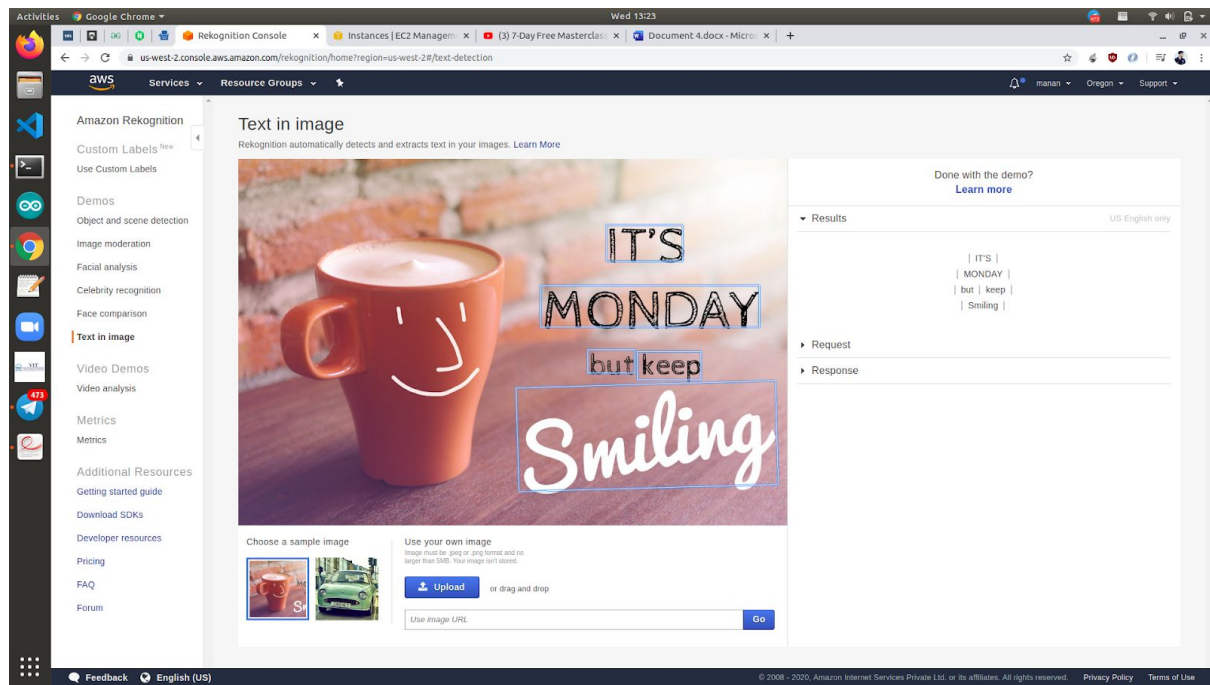
Match confidence 100 %

Request

Response

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4. Text in Image



Screenshots needed for EC2 & Rekognition

1.Face Detect success screenshot