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COLLEGE :VIT UNIVERSITY

Screenshot for Dashboard

1. AWS Login screen with username

Amazon Web Services Sign-In

signin.aws.amazon.com/signin?redirect_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fbilling%2Fhome%3Fstate%3DhashArgs%2523%252Fpaymentmethods%26isauthcode...

Sign in

☒ **Root user**
Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☐ **IAM user**
User within an account that performs daily tasks. [Learn more](#)

Root user email address

Next

[New to AWS?](#)

Create a new AWS account

AWS Accounts Include 12 Months of Free Tier Access
Including use of Amazon EC2, Amazon S3, and Amazon DynamoDB
[Visit aws.amazon.com/free for full offer terms](#)

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AWS Management Console

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

AWS services

Find Services
You can enter names, keywords or acronyms.

Recently visited services
[Billing](#)

All services

Build a solution
Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Build using virtual servers
With Lightsail
1-2 minutes

Access resources on the go
[Access the Management Console using the AWS Console Mobile App.](#)
[Learn more](#)

Explore AWS

Amazon Redshift
Fast, simple, cost-effective data warehouse that can extend queries to your data lake.
[Learn more](#)

Run Serverless Containers with AWS Fargate
AWS Fargate runs and scales your containers without having to manage servers or clusters.
[Learn more](#)

Scalable, Durable, Secure Backup & Restore

2.EC2 Dashboard

The screenshot shows the AWS EC2 Management Console. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'Kajol Rauniyar' in the 'Ohio' region. A blue banner at the top reads: 'Welcome to the new EC2 console! We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.' The left sidebar contains a navigation menu with 'New EC2 Experience' (toggled on), 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES' (with sub-items like 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations'), 'IMAGES' (with sub-items like 'AMIs', 'Bundle Tasks'), and 'ELASTIC BLOCK STORE'. The main content area is titled 'EC2' and shows a 'Resources' section with a table of EC2 resources 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	1
Security groups	2
Placement groups	0

Below the table is a blue box with a message: 'Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. Learn more'. On the right, there are two panels: 'Account attributes' showing 'Supported platforms' (VPC, Default VPC vpc-26d6024d, Console experiments, Settings) and 'Explore AWS' with a link to 'Save with AMD EPYC-Powered EC2 instances'.

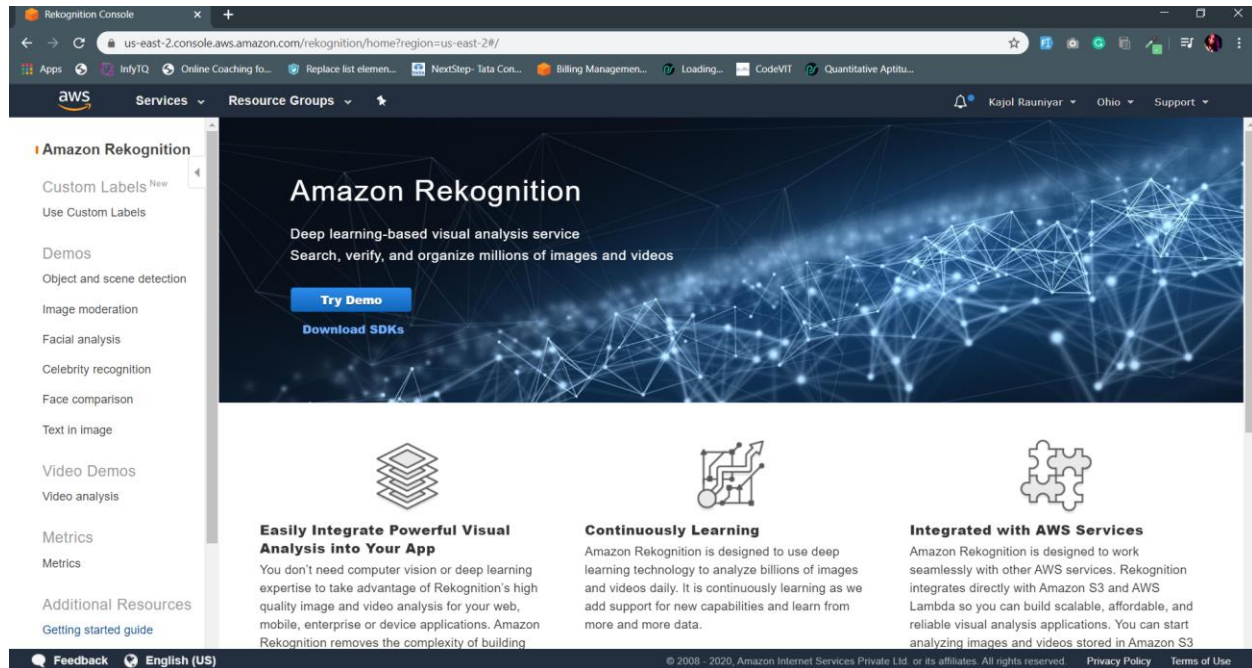
3.S3 Dashboard

The screenshot shows the AWS S3 Management Console. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'Kajol Rauniyar' in the 'Global' region. A blue banner at the top reads: '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 a navigation menu with 'Amazon S3', 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'. The main content area is titled 'Amazon S3' and shows a 'Buckets (1)' section with a table of buckets:

Name	Region	Access	Bucket created
aws-webinar-kajol	US East (Ohio) us-east-2	Objects can be public	2020-04-02T09:12:43.000Z

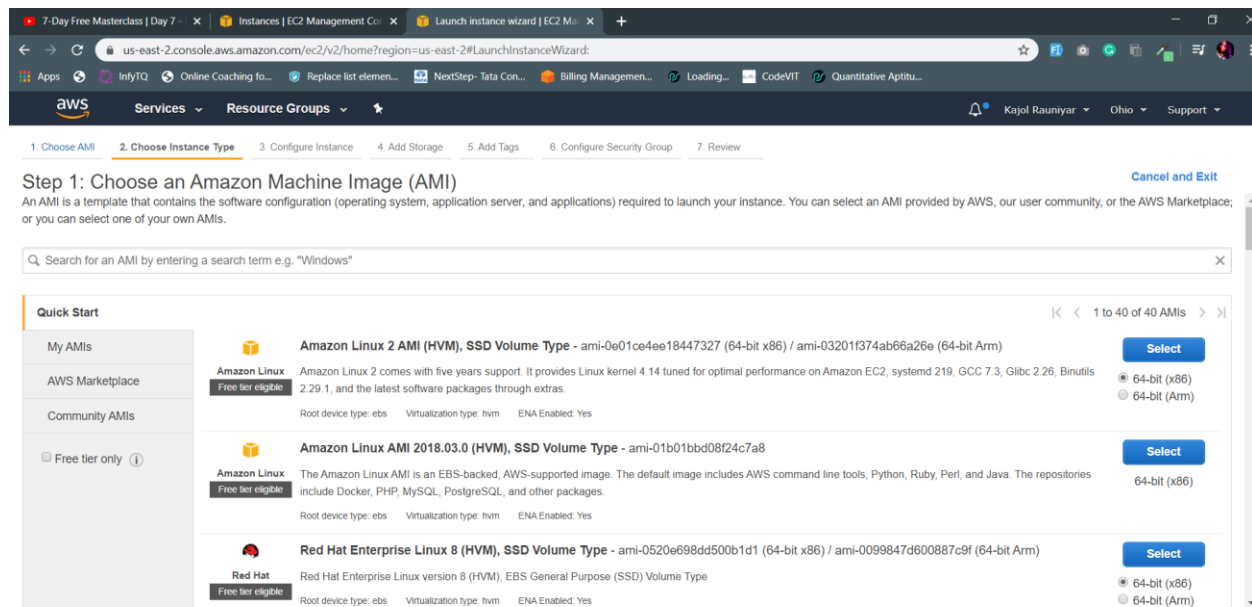
At the top of the bucket list, there are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. A search bar with the placeholder 'Find bucket by name' is also present.

4.Rekognition Dashboard



Screenshot for EC2

1.Choosing an AMI



2.Choosing an instances 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 <small>Free tier eligible</small>	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

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

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3.Adding Storage

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.

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

4. Configuring Security Group

7-Day Free Masterclass | Day 7 | Instances | EC2 Management Console | Launch instance wizard | EC2 M...

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 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

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

Security group name:

Description:

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

Add Rule

Warning

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

Cancel Previous **Review and Launch**

5. Key Pair Download

7-Day Free Masterclass | Day 7 | Instances | EC2 Management Console | Launch instance wizard | EC2 M...

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 Launch

Improve your instances' security. Your instances may be accessible from any IP address. You can also open additional ports in your security group.

AMI Details: Amazon Linux 2 AMI (HVM), SSD Volume Type

Instance Type: t2.micro

Security Groups: launch-wizard-3

Select an existing key pair or create a new key pair

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

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

Create a new key pair

Key pair name:

Download Key Pair

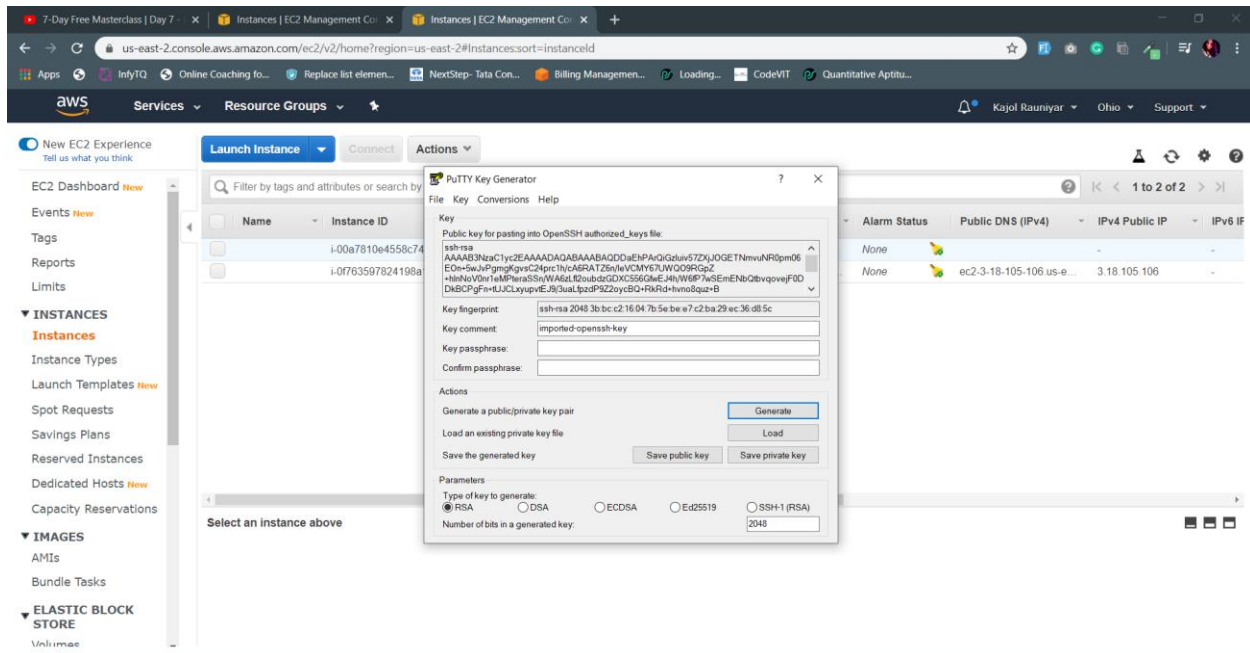
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.

Cancel **Launch Instances**

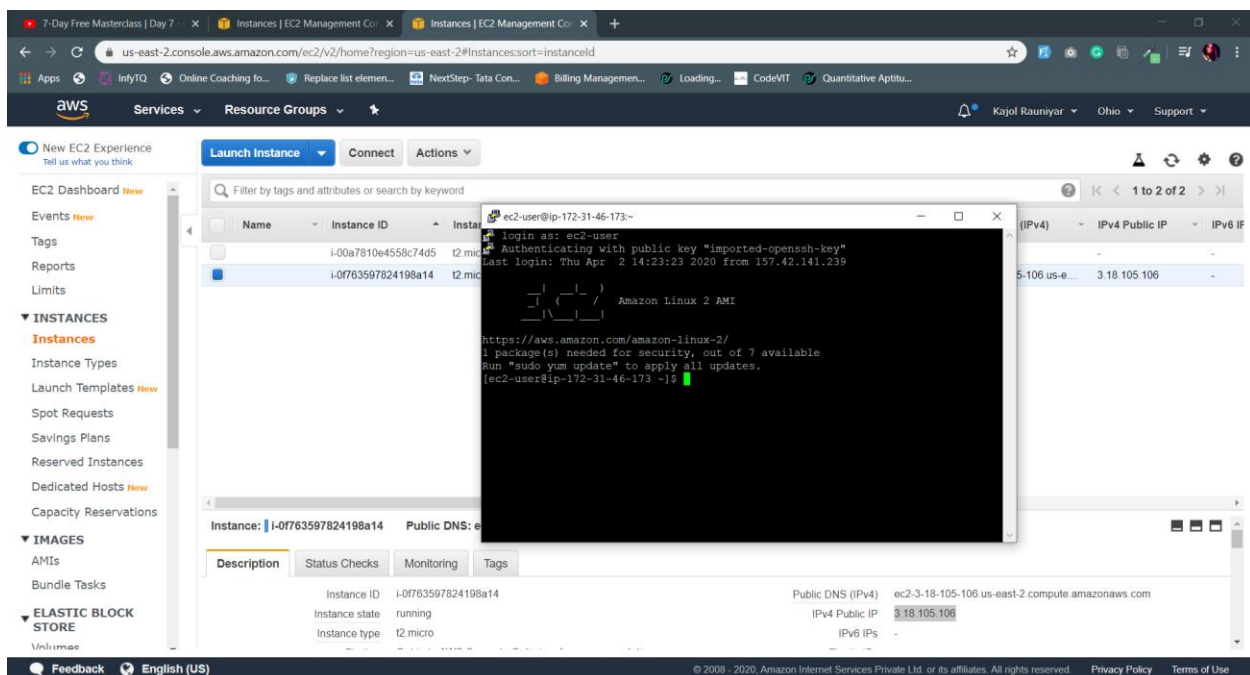
Cancel Previous **Launch**

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6. Puttygen Conversion from pem to ppk

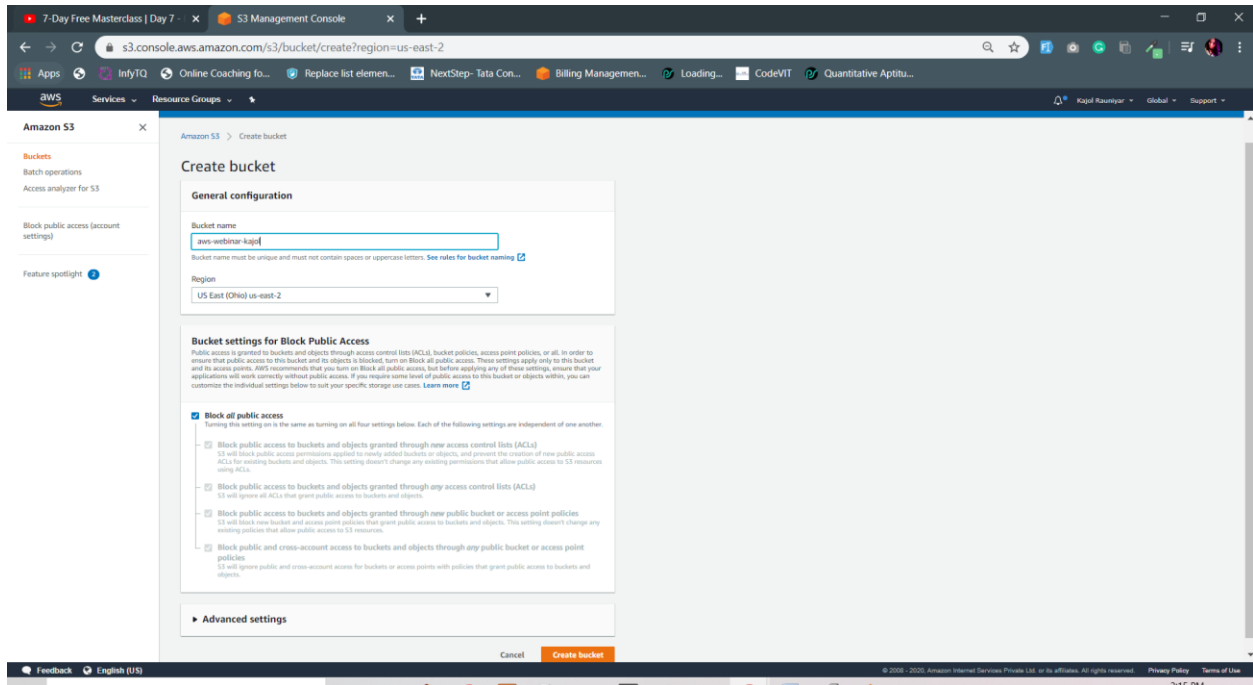


7. Logged in EC2 Black Screen

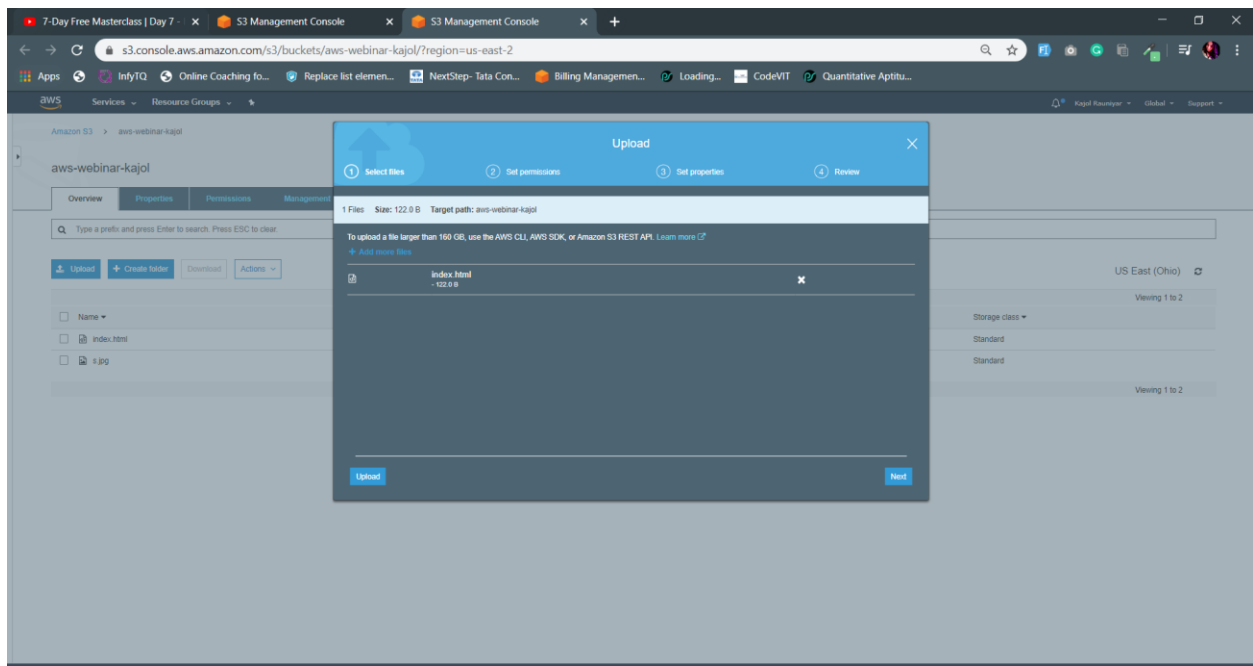


Screenshot for S3

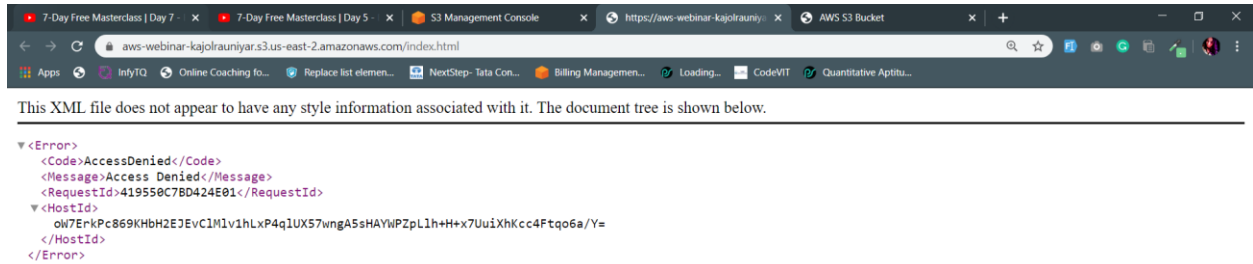
1. Creating Bucket



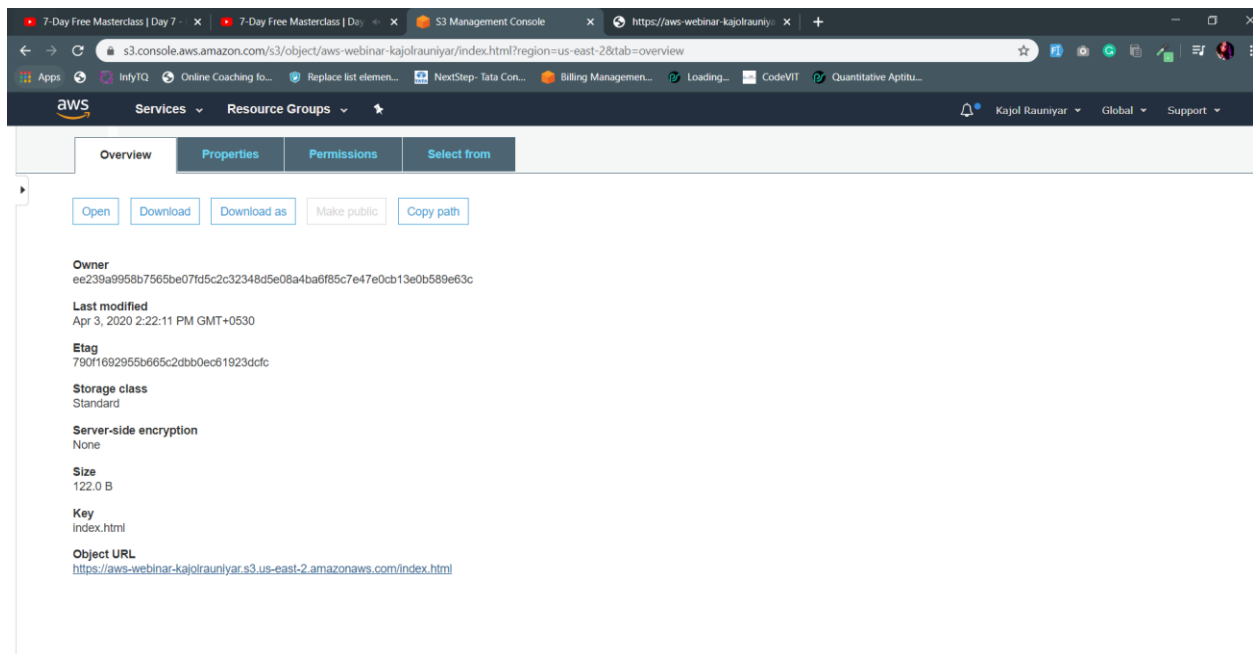
2. Uploading an Object



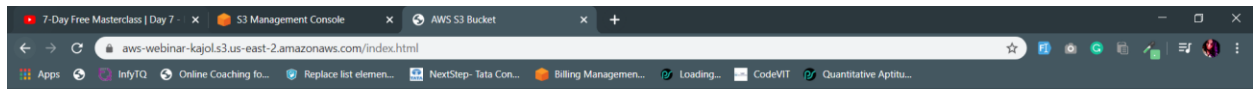
3.Enabling Static Website



4.Making the Object Public



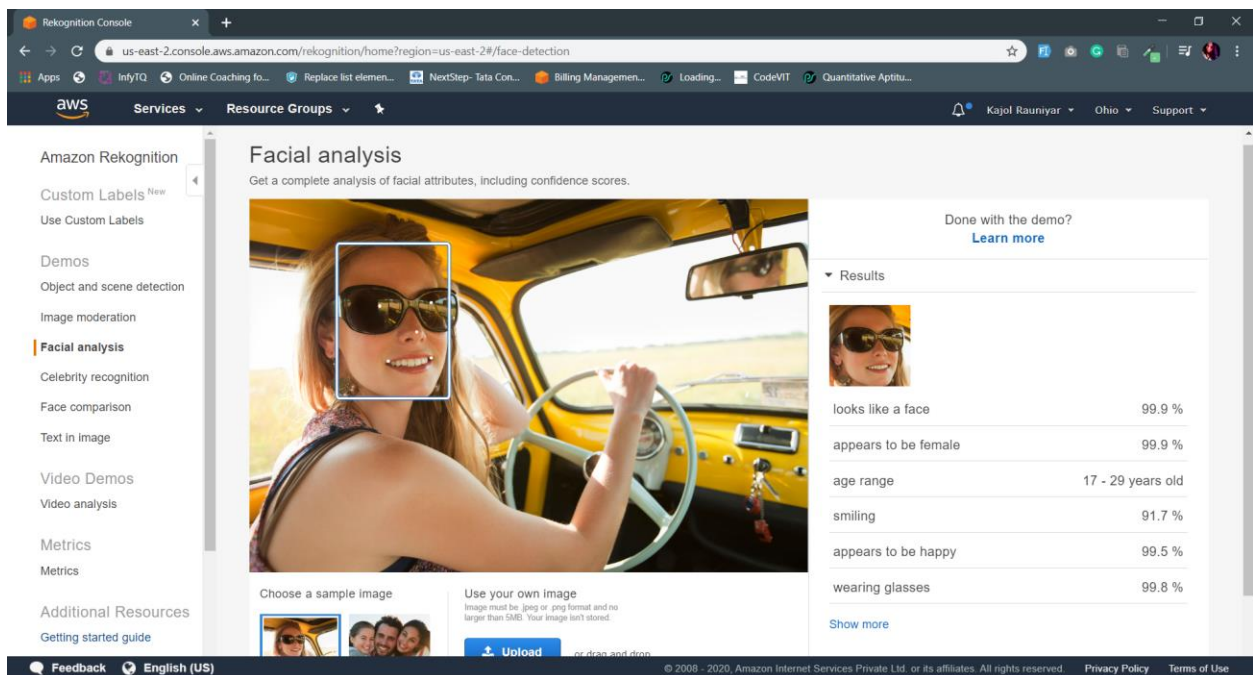
5. Checking the s3 link on the browser



AWS S3 Bucket

Screenshot for Rekognition

1.Face Detect



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

Facial analysis

Get a complete analysis of facial attributes, including 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.

[Upload](#)

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

▼ Results

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 %

[Show more](#)

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2.Face Compare

The screenshot shows the Amazon Rekognition console's 'Face comparison' page. The left sidebar lists various services, with 'Face comparison' highlighted. The main content area is titled 'Face comparison' and includes a description: 'Compare faces to see how closely they match based on a similarity percentage.' It features two large image placeholders for 'Reference face' and 'Comparison faces'. Below these are smaller thumbnails for 'Choose a sample image'. On the right, a 'Results' section displays three pairs of face images with similarity scores. The first pair shows a high similarity of 99.8%, while the other two pairs show lower similarity scores. A 'Done with the demo? Learn more' link is also present.

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

Metrics

Additional Resources

Getting started guide

Face comparison

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

Reference face

Comparison faces

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

Results

Similarity 99.8 %

Choose a sample image

Choose a sample image

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3.Celebrity Recognition

The screenshot shows the Amazon Rekognition console's 'Celebrity recognition' page. The left sidebar lists various services, with 'Celebrity recognition' highlighted. The main content area is titled 'Celebrity recognition' and includes a description: 'Rekognition automatically recognizes celebrities in images and provides confidence scores.' It features a large image placeholder for a celebrity face. Below this are smaller thumbnails for 'Choose a sample image'. On the right, a 'Results' section displays a single celebrity image with a match confidence of 100%. A 'Done with the demo? Learn more' link is also present.

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

Metrics

Additional Resources

Getting started guide

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.

Upload

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

Results

Jeff Bezos
[Learn More](#)

Match confidence 100 %

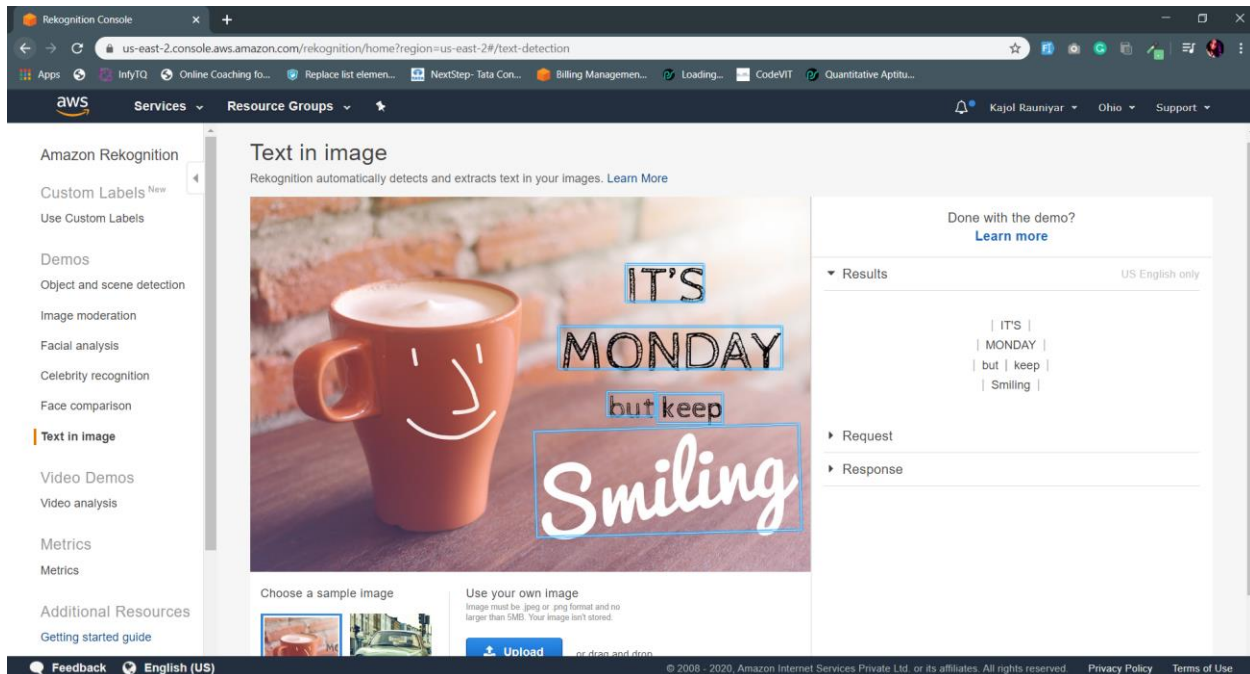
Request

Response

Feedback English (US)

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4.Text in image



Screenshot for EC2 & S3

1.Installing aws-sdk

```
ec2-user@ip-172-31-46-173:/var/www/html/face

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

[ec2-user@ip-172-31-46-173 ~]$ cd /var/www/html
[ec2-user@ip-172-31-46-173 html]$ cd face
[ec2-user@ip-172-31-46-173 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-46-173 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.8 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-46-173 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg  composer.lock  index.php
b97ea33b5842c7894b804923c6c05580.jpg.1  index2.php    s.jpg
composer.json                          index4.php    vendor
[ec2-user@ip-172-31-46-173 face]$
```

2.Installing php

```
ec2-user@ip-172-31-46-173:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
Last login: Fri Apr  3 08:35:57 2020 from 157.42.141.239  
  
  _ |  _ | _ )  
  _ | (  _ /  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-172-31-46-173 ~]$ sudo yum install httpd  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
amzn2-core | 2.4 kB 00:00  
amzn2extra-docker | 1.8 kB 00:00  
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version  
Nothing to do  
[ec2-user@ip-172-31-46-173 ~]$ sudo yum install php  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version  
Nothing to do  
[ec2-user@ip-172-31-46-173 ~]$ █
```

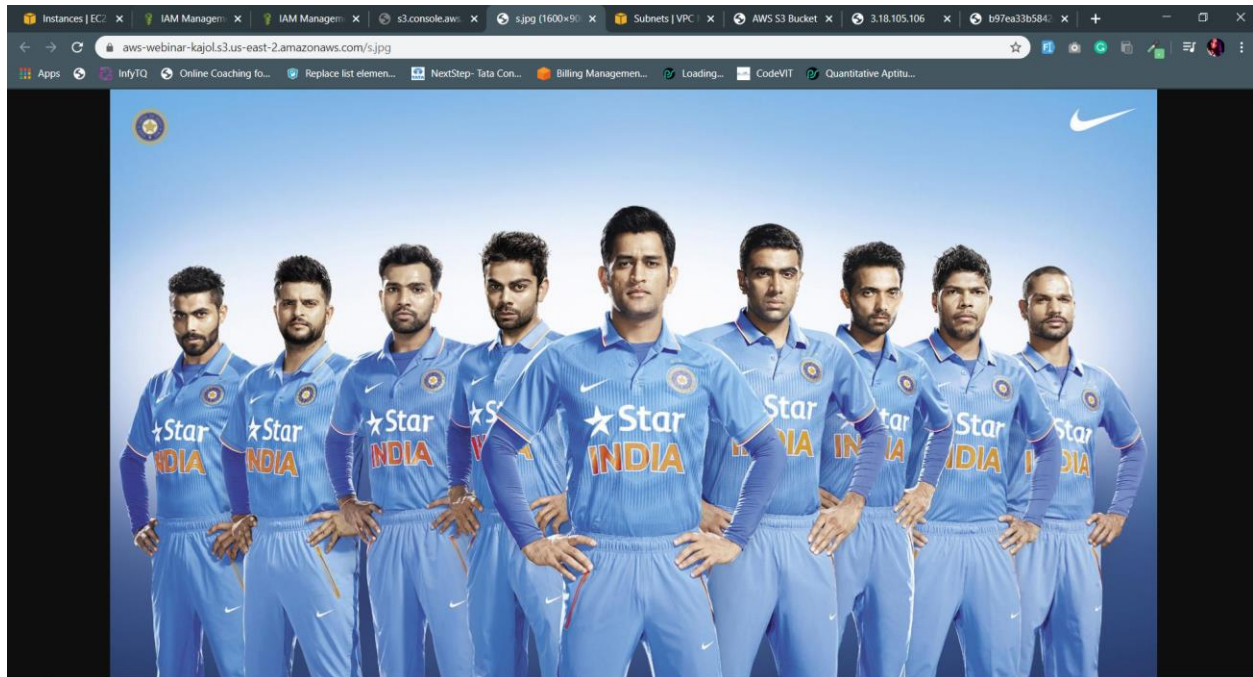
3.index.php file code

```
D:\COVID19\aws video\5_6338941033870524687.php • (psdtowordpress) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

index.html x 5_6053179963266302248.php x 5_6338941033870524687.php •

1 <?php
2 /*
3
4 Install php - sudo yum install php
5 curl -sS https://getcomposer.org/installer | php
6 cd /var/www/html
7 sudo mkdir face
8 cd face
9 sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
10
11 In case if you get memory error -
12 sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
13 sudo /sbin/mkswap /var/swap.1
14 sudo /sbin/swapon /var/swap.1
15 sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
16 sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg
17
18 */
19 error_reporting(0);
20
21 require_once(__DIR__ . '/vendor/autoload.php');
22
23 use Aws\S3\S3Client;
24 use Aws\Rekognition\RekognitionClient;
25
26
27 $bucket = 'aws-webinar-kajol';
28 $keyname = 's.jpg';
29
30 $s3 = S3Client::factory([
31     'profile' => 'default',
32     'region' => 'us-east-2',
33     'version' => '2006-03-01',
34     'signature' => 'v4'
35 ]);
36
37 try {
38
39     $result = $s3->putObject([
40         'Bucket' => $bucket,
41         'Key' => $keyname,
42         'SourceFile' => __DIR__ . "/" . $keyname,
43         'ACL' => 'public-read'
44     ]);
45
46
47     $imageUrl = $result['ObjectURL'];
48     if($imageUrl) {
49         echo "Image upload done... Here is the URL: " . $imageUrl;
50     }
51 } catch (Exception $e) {
52     echo $e->getMessage() . PHP_EOL;
53 }
54 ?>
```


4.Upload Success Screenshot



Screenshot for EC2 & Rekognition

1.Face Detect success screenshot

