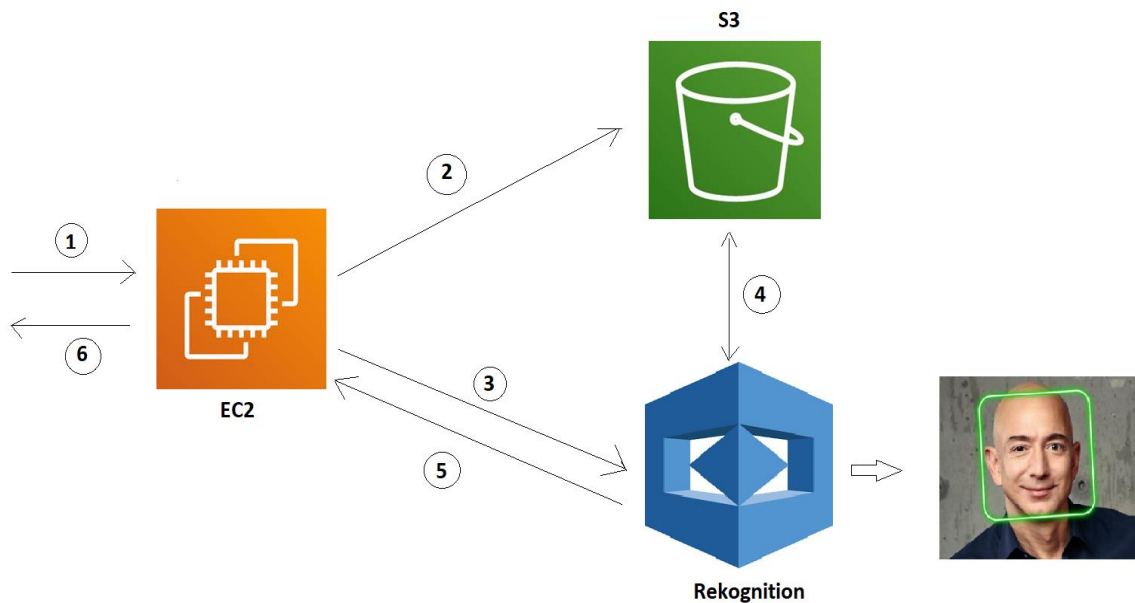


Face Detection using AWS

Project Report

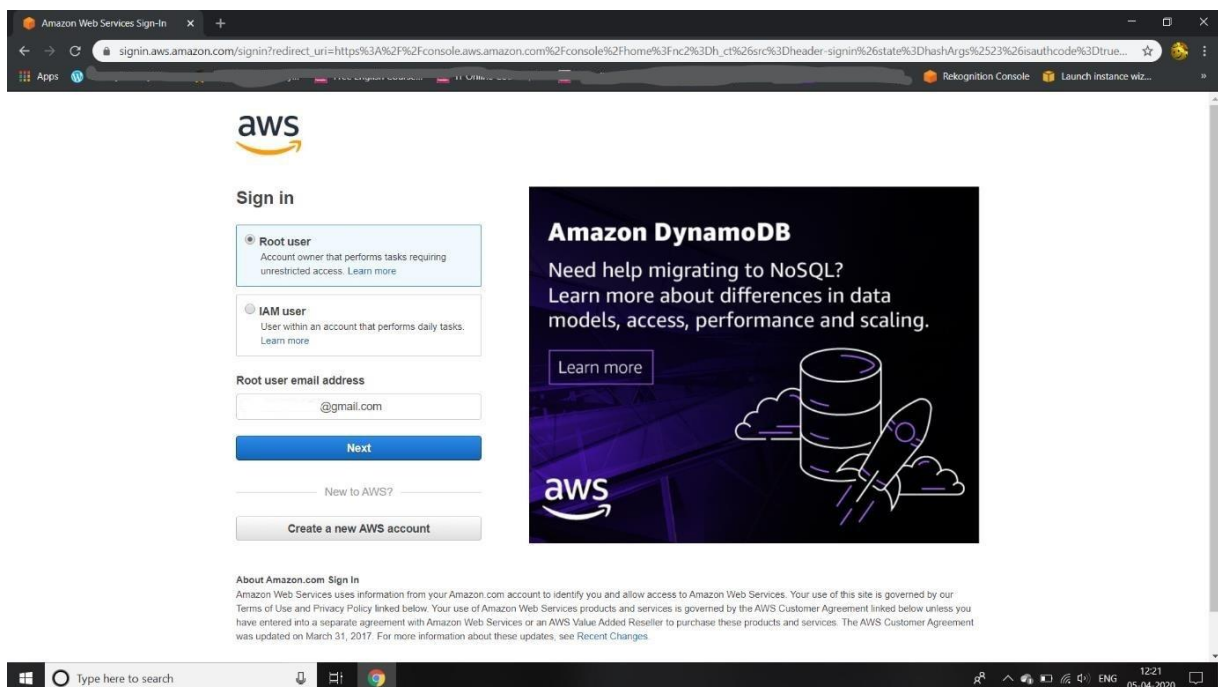
NAME:AISHWARYA MV

Overview :



SCREENSHOTS OF DASHBOARDS

1.AWS LOGIN SCREEN WITH USERNAME



2. EC2 DASHBOARD

The screenshot shows the AWS EC2 Dashboard. At the top, there's a navigation bar with 'Services', 'Resource Groups', and a user profile 'Aishwarya Mv' 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.' Below this, the 'Resources' section shows a table of EC2 resources in the US East (Ohio) Region:

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	7
Security groups	8
Placement groups	0

On the right, the 'Account attributes' section shows 'Supported platforms' with a link to 'VPC', 'Default VPC' with a link to 'vpc-28c61243', 'Console experiments', and 'Settings'. Below that, the 'Explore AWS' section has a link to 'Save 10% with AMD EPYC-Powered Instances'.

3. S3 DASHBOARD

The screenshot shows the AWS Amazon S3 Dashboard. At the top, there's a navigation bar with 'Services', 'Resource Groups', and a user profile 'Aishwarya Mv' 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.' Below this, the 'Buckets (2)' section shows a table of S3 buckets:

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

4.REKOGNITION DASHBOARD

The screenshot shows the Amazon Rekognition dashboard. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Aishwarya Mv, Ohio, Support). The left sidebar lists navigation options: Amazon Rekognition, Custom Labels (with a 'New' tag), Use Custom Labels, Demos (Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image), Video Demos (Video analysis), Metrics, and Additional Resources (Getting started guide). The main content area features a large hero section with the title 'Amazon Rekognition' and the subtitle 'Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos'. Below this are two buttons: 'Try Demo' and 'Download SDKs'. The dashboard is divided into three columns with icons and text: 'Easily Integrate Powerful Visual Analysis into Your App' (staircase icon), 'Continuously Learning' (circuit icon), and 'Integrated with AWS Services' (puzzle pieces icon). Each column contains a brief description of the service's capabilities. The footer includes 'Feedback', 'English (US)', and copyright information for 2008-2020 Amazon Internet Services Private Ltd.

SCREENSHOTS OF EC2

1.CHOOSING AN AMI

The screenshot displays the 'Step 1: Choose an Amazon Machine Image (AMI)' screen in the AWS console. The top navigation bar is consistent with the previous screenshot. The left sidebar shows the 'Quick Start' section with 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. The main content area has a search bar with the placeholder text 'Search for an AMI by entering a search term e.g. "Windows"'. Below the search bar, there are three AMI options listed: 'Amazon Linux 2 AMI (HVM), SSD Volume Type', 'Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type', and 'Red Hat Enterprise Linux 8 (HVM), SSD Volume Type'. Each option includes a 'Select' button and a 'Free tier eligible' badge. The right side of the screen shows the 'Cancel and Exit' button. The footer includes 'Feedback', 'English (US)', and copyright information for 2008-2020 Amazon Internet Services Private Ltd.

2. CHOOSING AN INSTANCE TYPE

aws

Services

Resource Groups

★

🔔

Aishwarya Mv

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

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.xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel

Previous

Review and Launch

Next: Configure Instance Details

3. ADDING STORAGE

aws

Services

Resource Groups

★

🔔

Aishwarya Mv

Ohio

Support

1. Choose 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 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

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 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

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 7: Review Instance Launch

Please review your Instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

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

Free tier eligible

Amazon Linux 2 comes with five years support. It includes the latest software packages through Amazon Linux 2 AMI updates.

Root Device Type: ebs Virtualization type: hvm

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	Variable	1

Security Groups

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

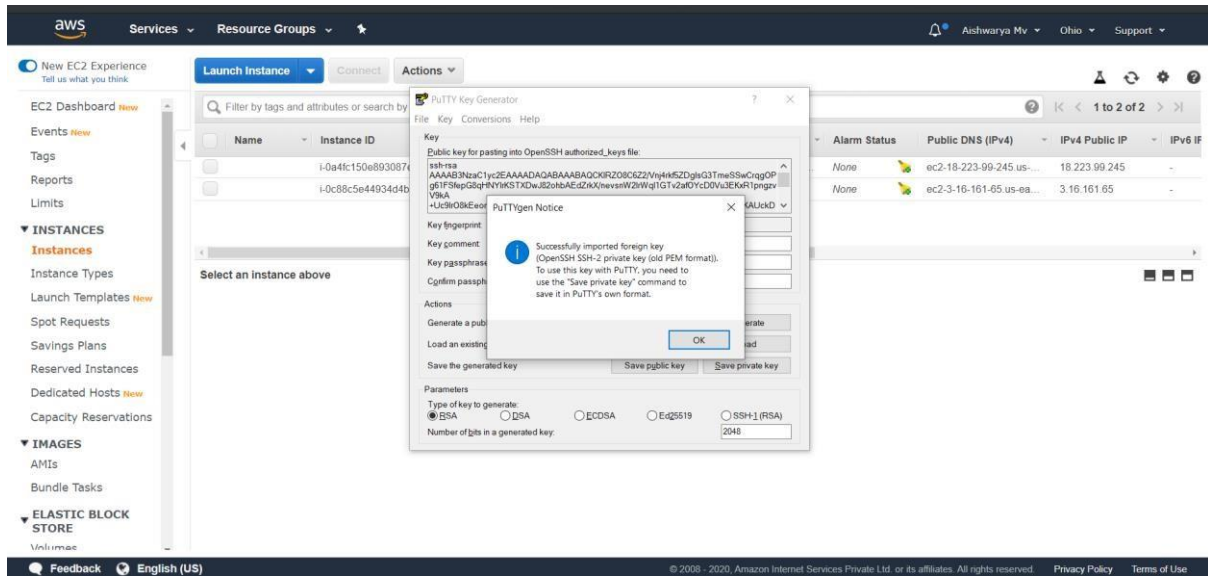
You have to download the **private key file** (*.pem file) before you can continue. Store it in a **secure and accessible location**. You will not be able to download the file again after it's created.

Cancel Launch Instances

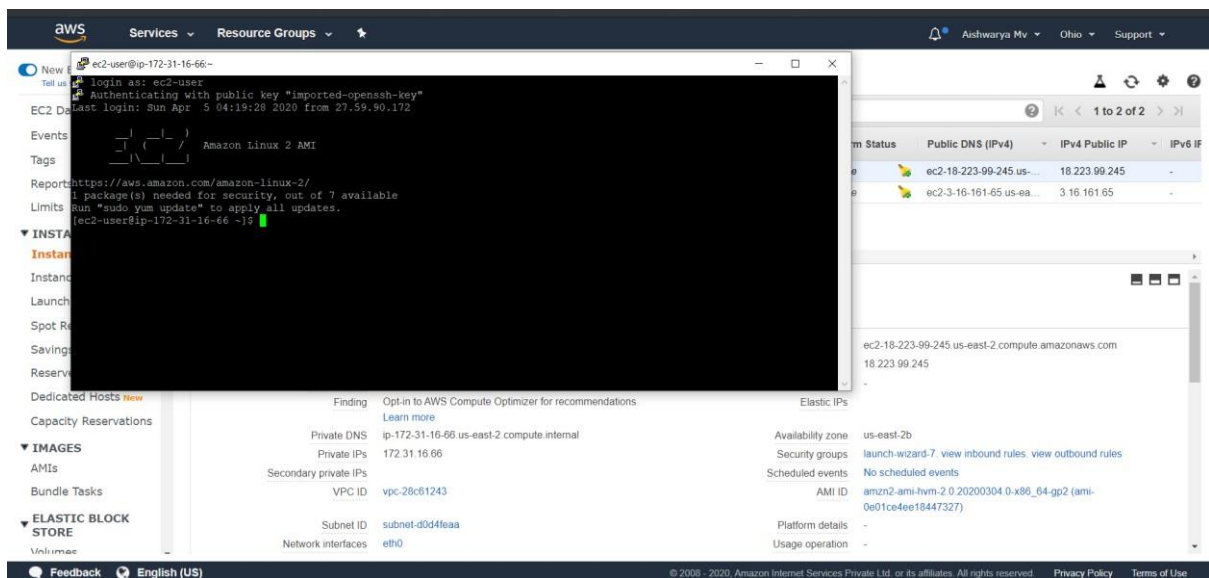
Cancel Previous Launch

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6. PuTTYgen conversion from .pem to .ppk

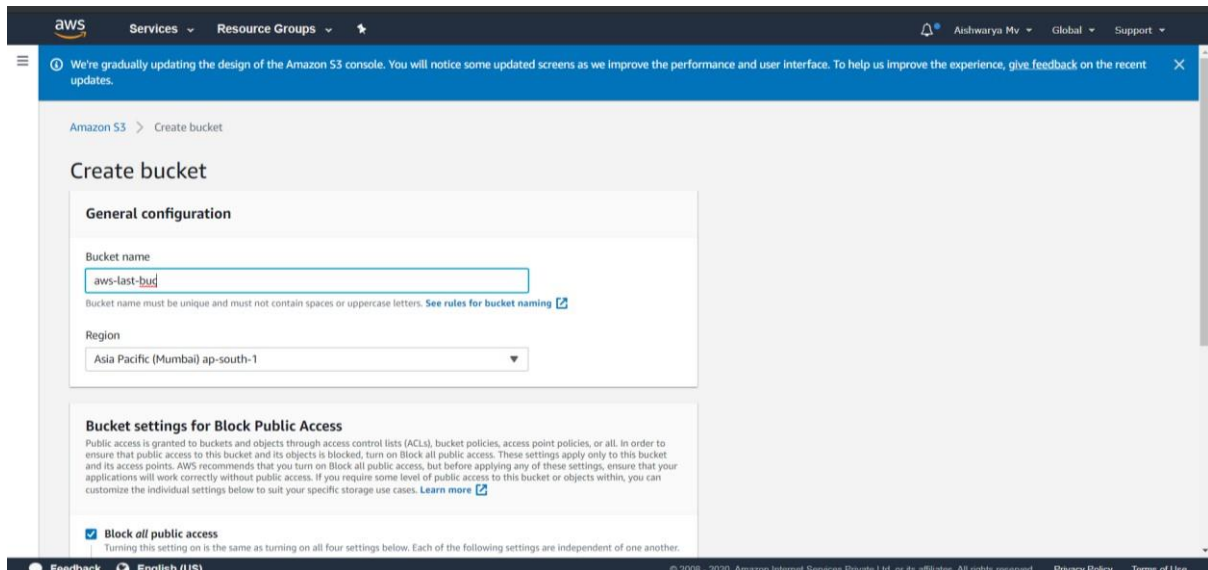


7. LOGGED IN EC2 BLACK SCREEN

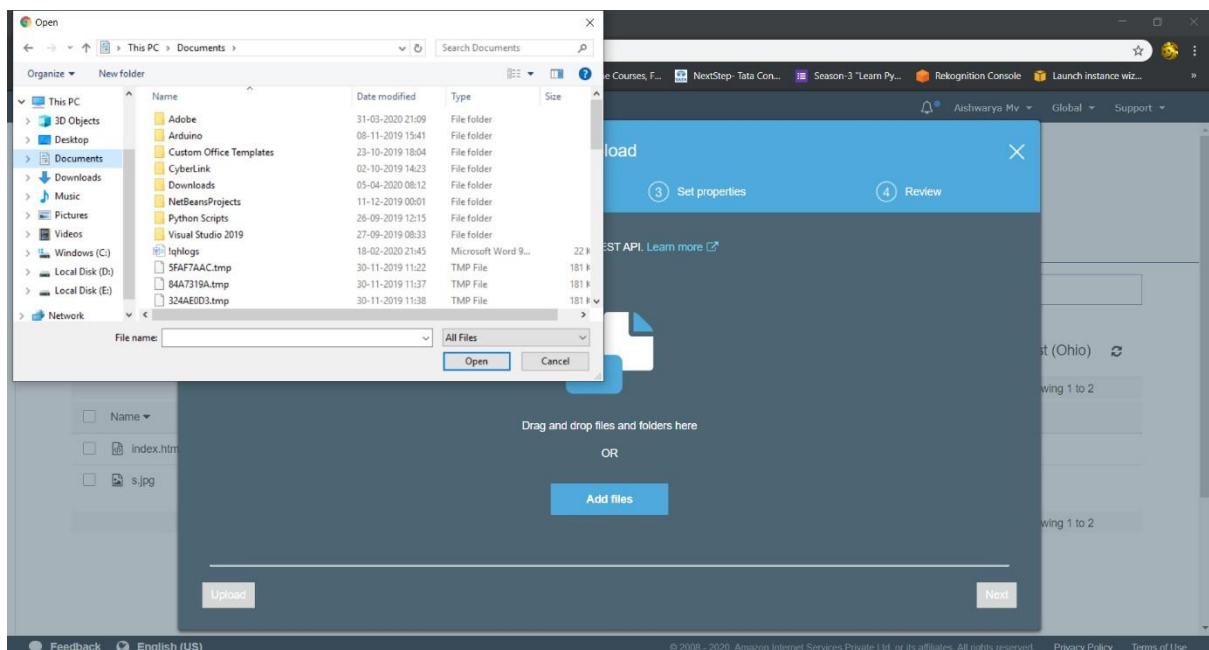


SCREENSHOTS OF S3

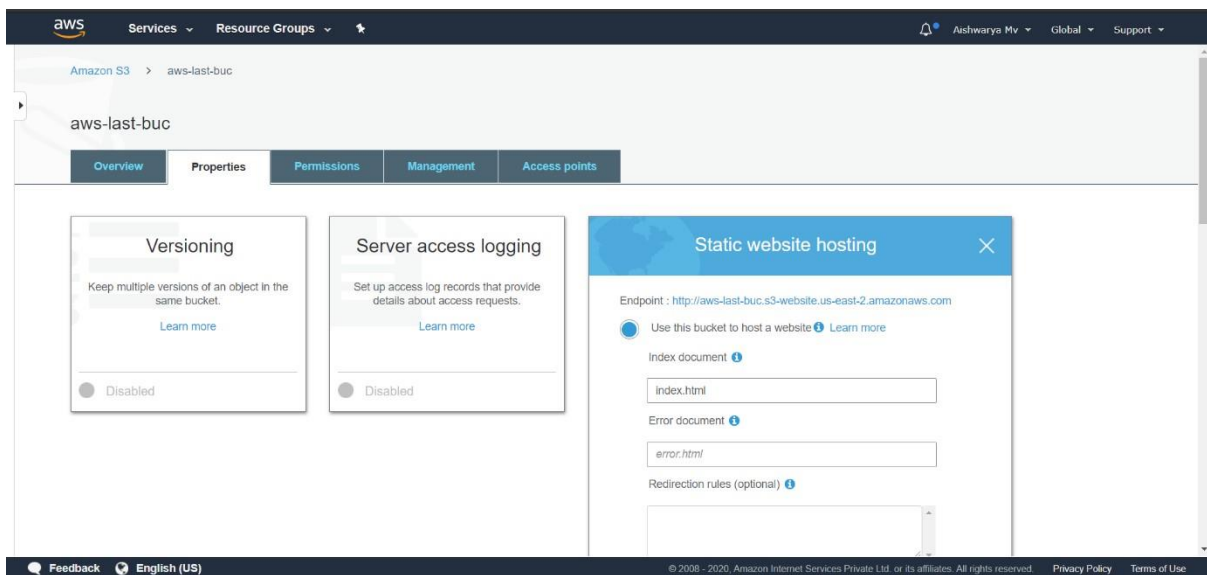
1. CREATING A BUCKET



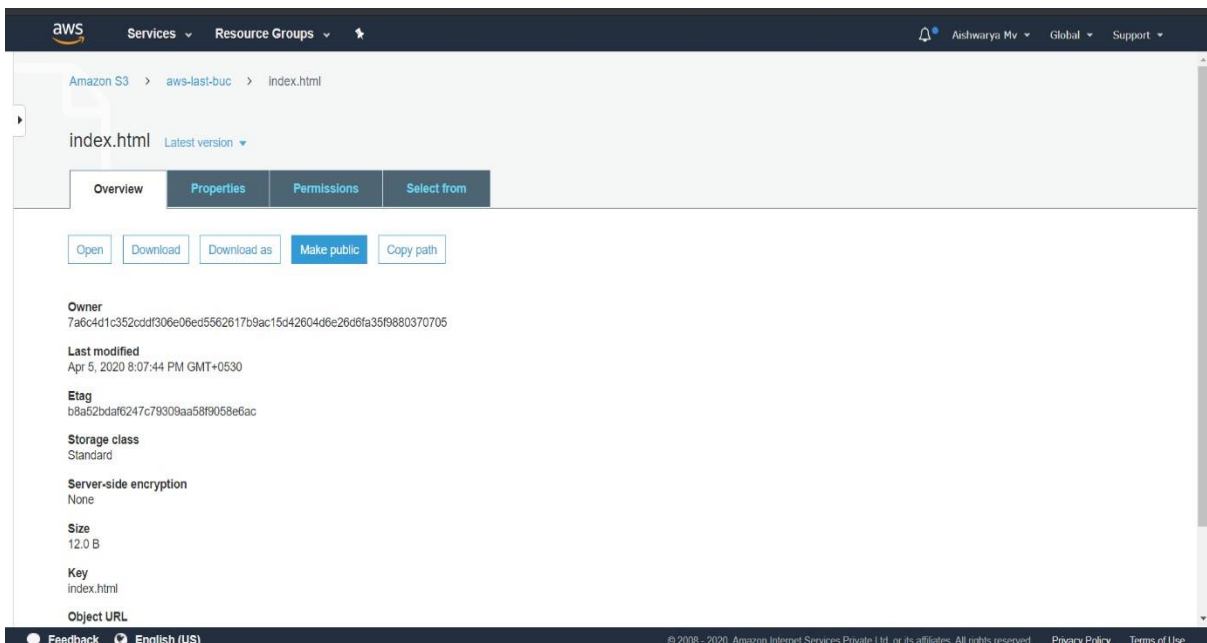
2. UPLOADING AN OBJECT



3. ENABLING STATIC WEBSITE



4. MAKING THE OBJECT PUBLIC

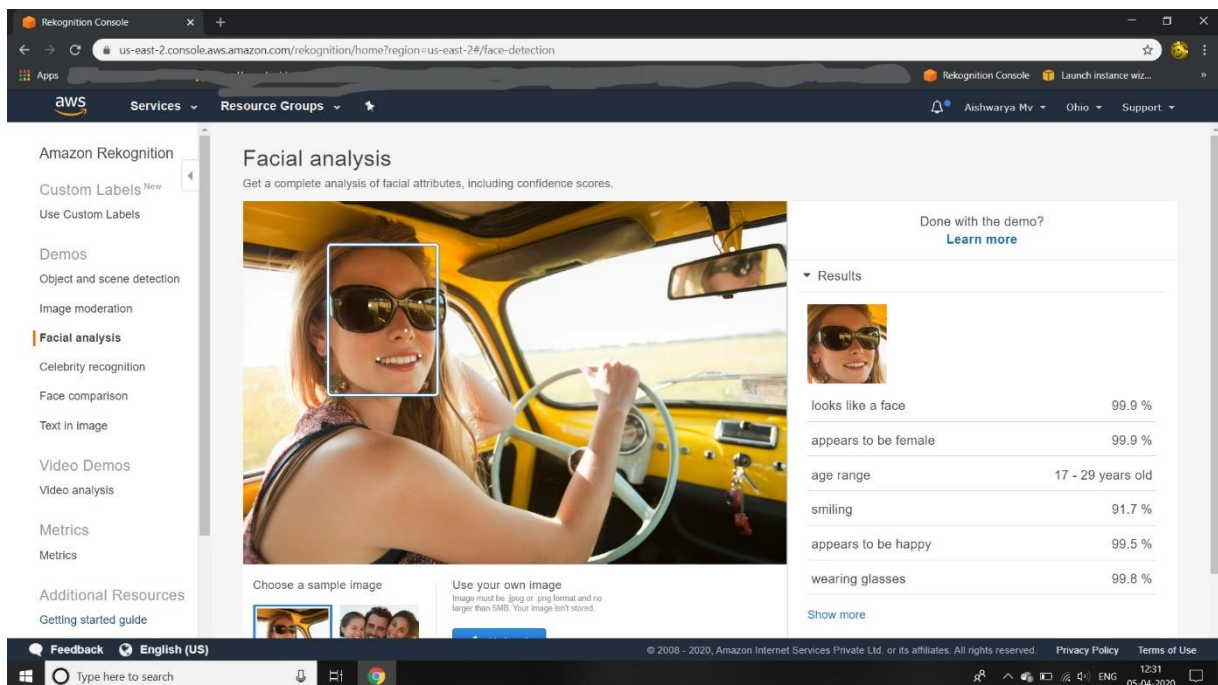


5.CHECKING THE S3 LINK TO THE BROWSER



SCREENSHOTS OF REKOGNITION

1.FACE DETECT



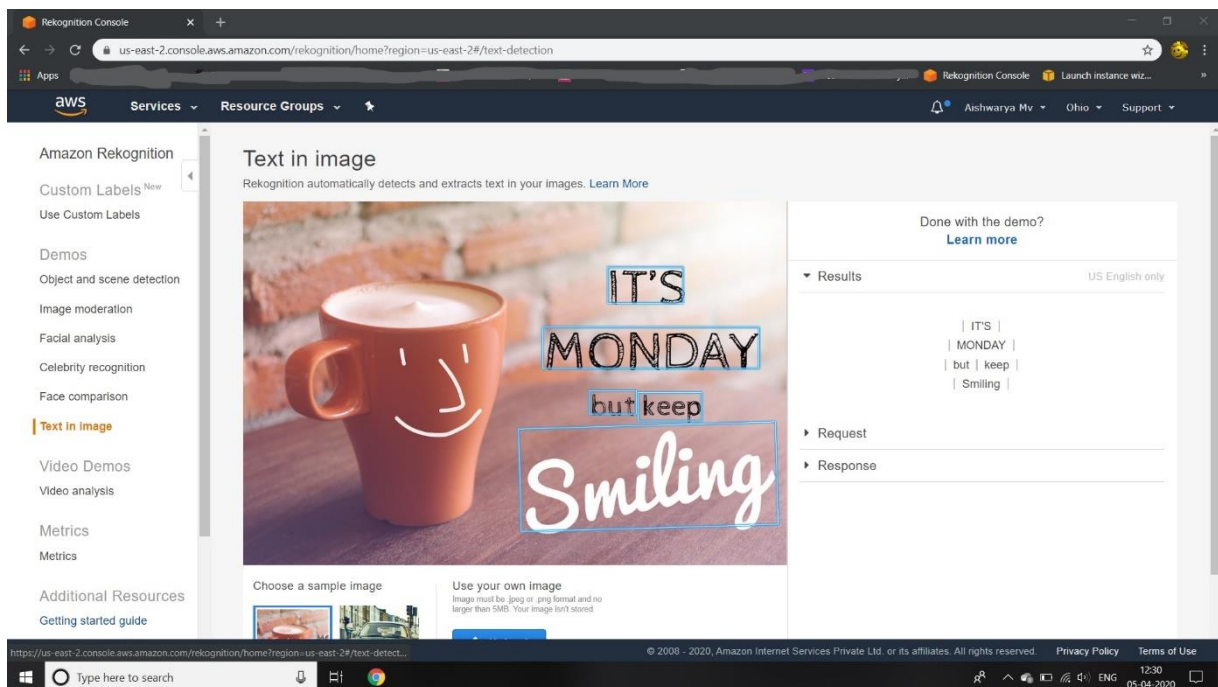
2.FACE COMPARE

The screenshot displays 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 image upload sections: 'Reference face' and 'Comparison faces'. Below these are 'Choose a sample image' buttons. On the right, the 'Results' section shows a comparison of two faces with a similarity score of 99.8%. It also displays two non-matching face comparisons with a similarity score of 0%. The bottom of the page shows the AWS logo, navigation links, and a footer with copyright information and a 'Type here to search' bar.

3.CELEBRITY RECOGNITION

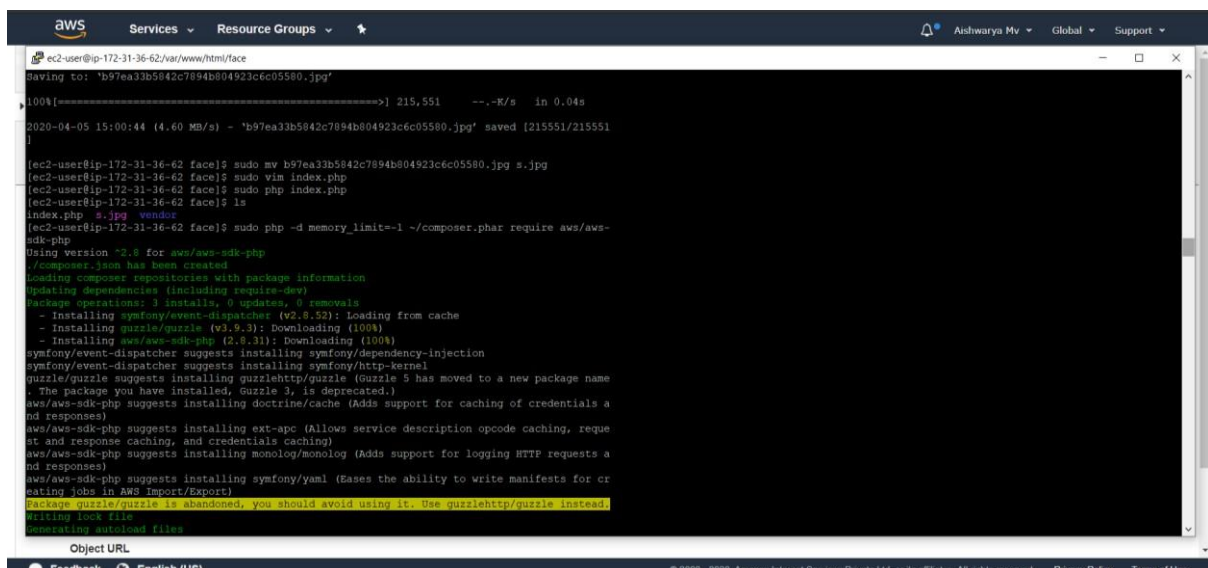
The screenshot displays the Amazon Rekognition console's 'Celebrity recognition' page. The left sidebar lists various services, with 'Celebrity recognition' highlighted. The main content area is titled 'Celebrity recognition' and includes a description: 'Rekognition automatically recognizes celebrities in images and provides confidence scores.' It features a large image upload section with a 'Choose a sample image' button. Below this is a 'Use your own image' section with instructions: 'Image must be .jpg or .png format and no larger than 5MB. Your image isn't stored.' On the right, the 'Results' section shows a recognition of 'Jeff Bezos' with a match confidence of 100%. It also displays a 'Request' and 'Response' section. The bottom of the page shows the AWS logo, navigation links, and a footer with copyright information and a 'Type here to search' bar.

4.TEXT IN IMAGE

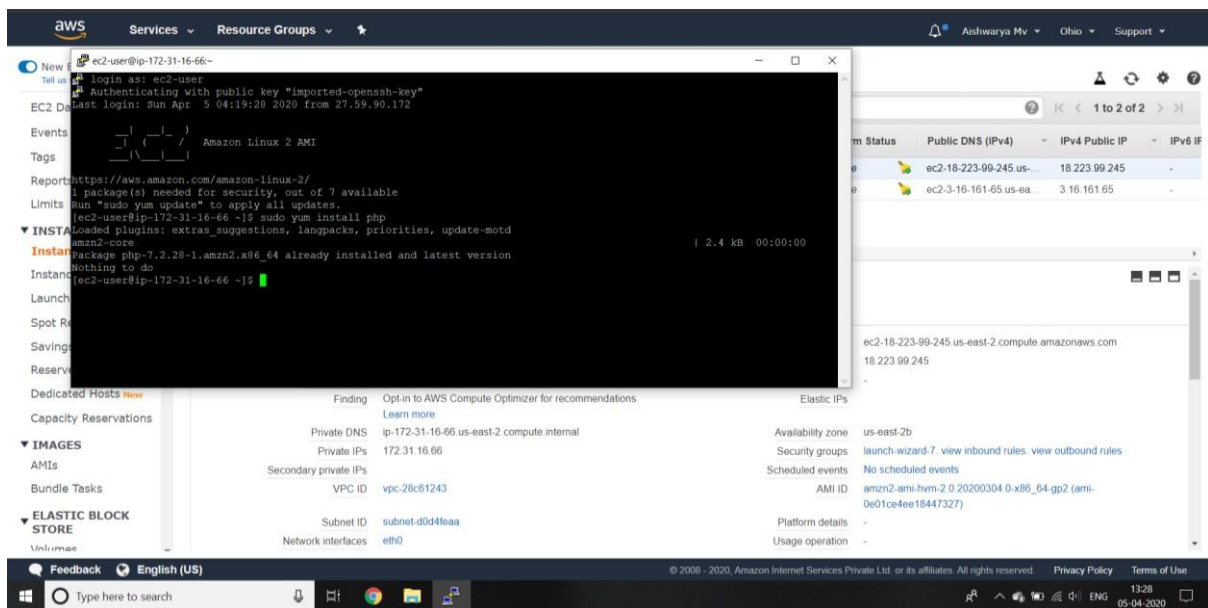


SCREENSHOTS OF EC2 & S3

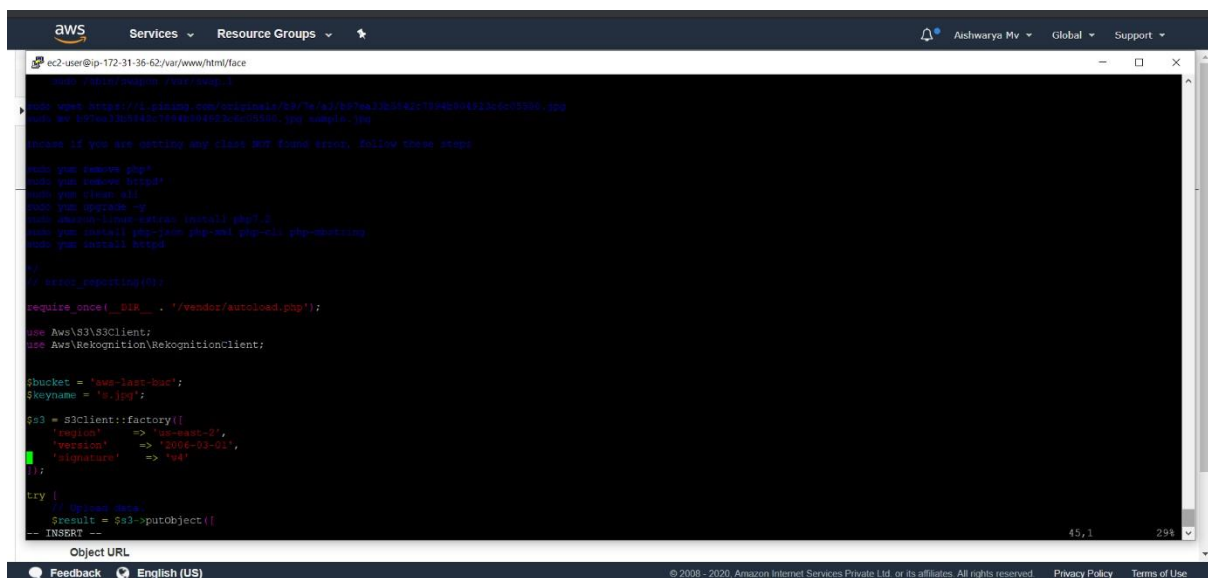
1.INSTALLING AWS-SDK



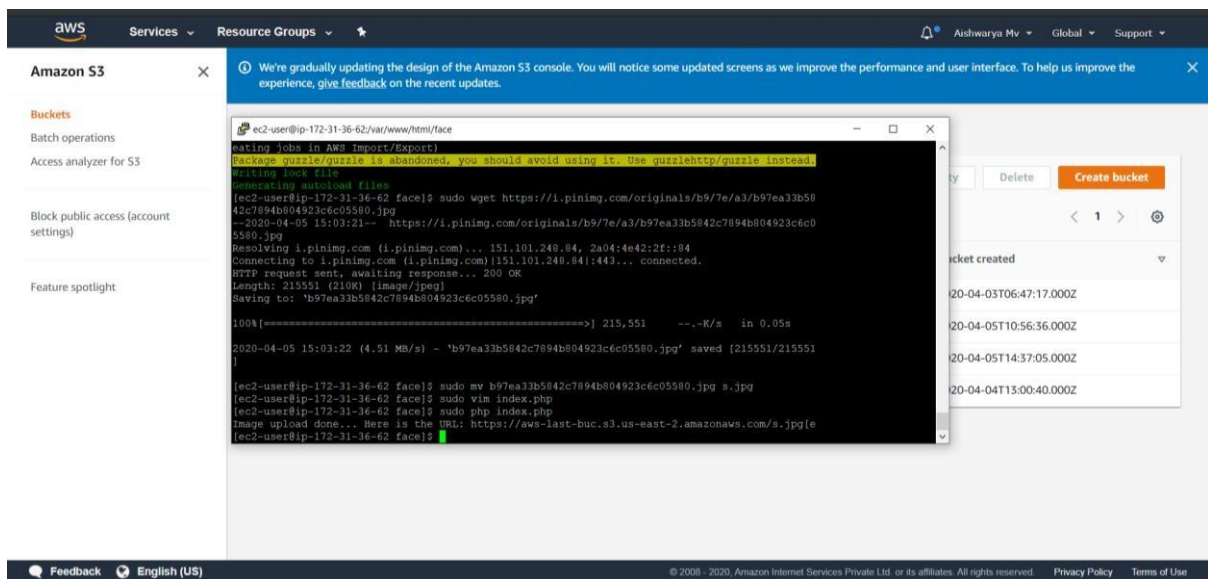
2.INSTALLING PHP



3.INDEX.PHP FILE CODE



4.UPLOAD SUCCESS SCREENSHOT



SCREENSHOT OF EC2 & REKOGNITION

1.FACE DETECT SUCCESS SCREENSHOT

