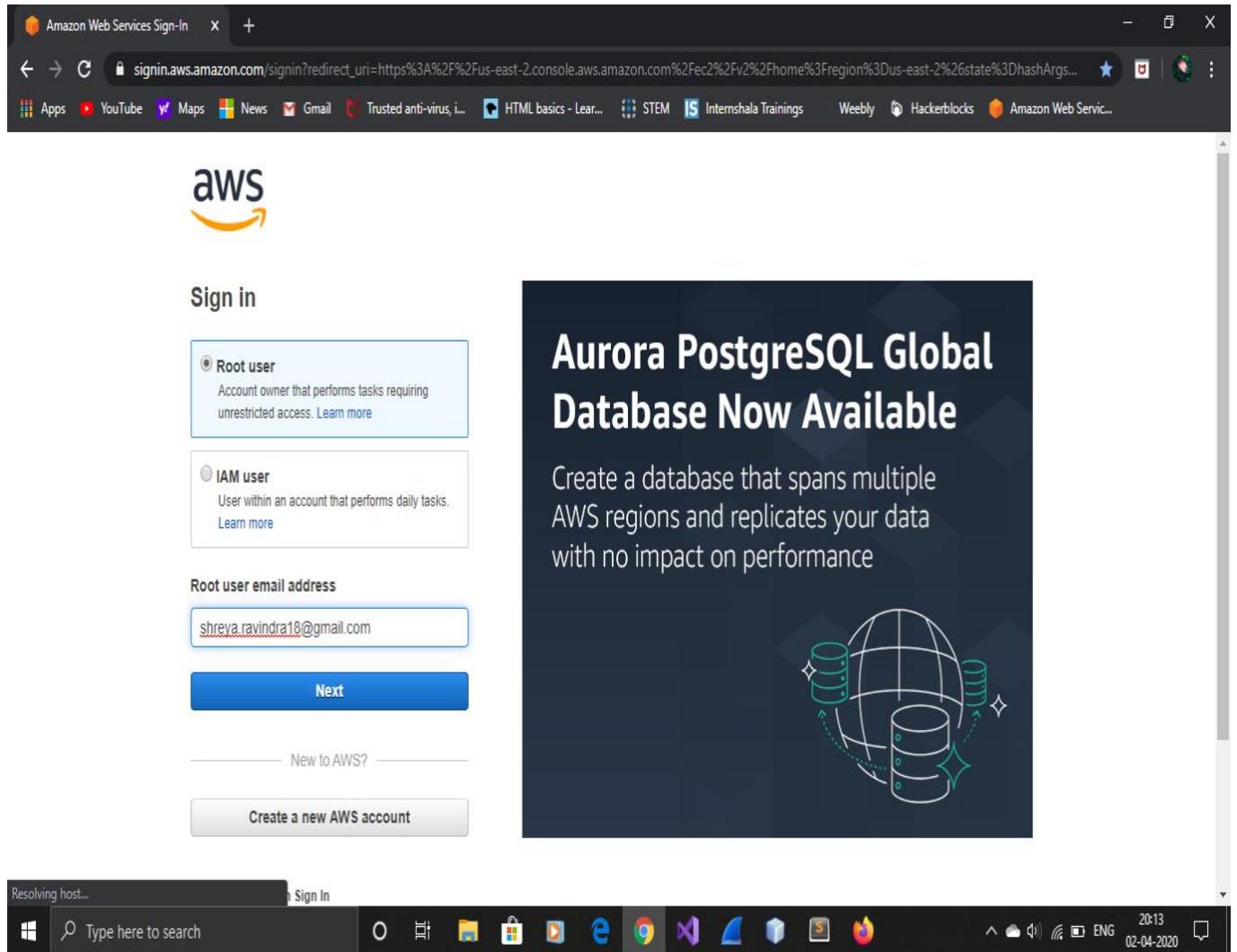


FACE DETECTION APP USING AWS

SCREENSHOTS:

DASHBOARDS

1.AWS LOGIN SCREEN WITH USERNAME



2. EC2 DASHBOARD

The screenshot shows the AWS EC2 Management Console dashboard. At the top, there's a banner announcing the new EC2 console, stating: "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 the banner, the main interface is divided into several sections:

- Resources:** A summary of Amazon EC2 resources in the US East (Ohio) Region:

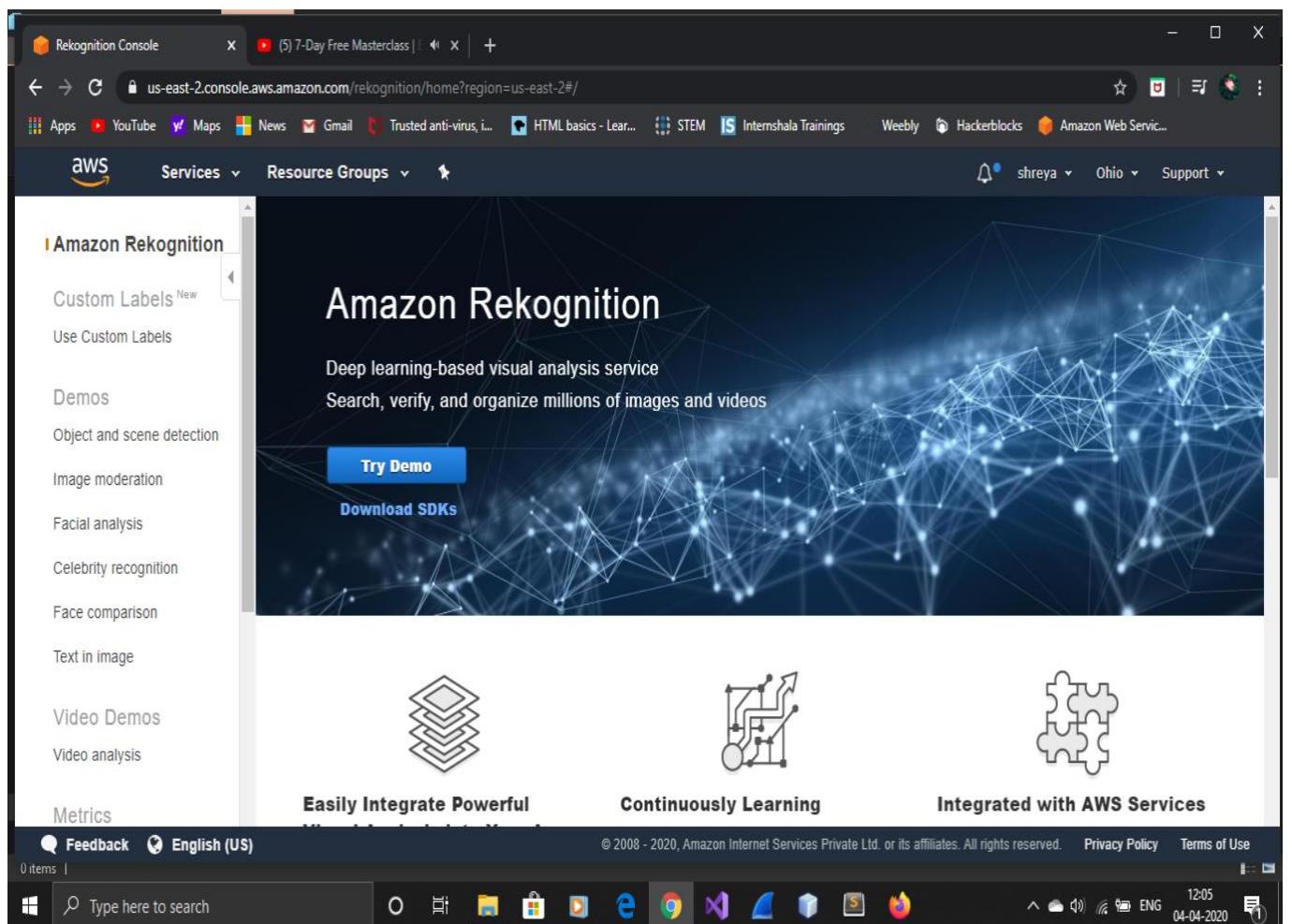
Running instances	1	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	1	Load balancers	0
Key pairs	1	Security groups	3
Placement groups	0		
- Account attributes:** Lists supported platforms (VPC), default VPC (vpc-3f7da854), and other settings.
- Additional information:** Includes links for Feedback, English (US) locale, and system status.
- Left sidebar:** Navigation menu with sections for Instances, Images, and more, including sub-options like Instance Types, Launch Templates, and Dedicated Hosts.
- Bottom:** A taskbar showing the browser URL (us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home), system information (x86_64, 2.4.41-1.amzn2.0.1, amzn2-core), and a search bar.

3.S3 DASHBOARD

The screenshot shows the AWS S3 Management Console interface. At the top, there is a blue banner with a message: "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 the banner, the main title is "Amazon S3". On the left sidebar, under the "Buckets" section, there are links for "Batch operations", "Access analyzer for S3", and "Block public access (account settings)". A "Feature spotlight" link is also present. The main content area is titled "Buckets (1)" and displays a table with one row. The table columns are "Name", "Region", "Access", and "Bucket created". The data in the table is: Name - "exo-l", Region - "US East (Ohio) us-east-2", Access - "Objects can be public", and Bucket created - "2020-04-02T15:42:13.000Z". There are buttons for "Copy ARN", "Empty", "Delete", and "Create bucket". At the bottom of the page, there is a navigation bar with links for "Feedback", "English (US)", "Privacy Policy", and "Terms of Use". The search bar contains the placeholder "Type here to search". The system status bar at the bottom right shows "20:12", "ENG", and the date "05-04-2020".

Name	Region	Access	Bucket created
exo-l	US East (Ohio) us-east-2	Objects can be public	2020-04-02T15:42:13.000Z

4. REKOGNITION DASHBOARD



EC2

1. CHOOSING AN AMI

The screenshot shows the AWS Launch Instance Wizard interface. At the top, there's a navigation bar with tabs: 1. Choose AMI (which is highlighted), 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. Below the navigation bar, the main content area has a heading "Step 1: Choose an Amazon Machine Image (AMI)". A sub-instruction says: "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." There's a search bar with placeholder text "Search for an AMI by entering a search term e.g. 'Windows'". On the left, there's a sidebar titled "Quick Start" with options: My AMIs, AWS Marketplace, Community AMIs, and a "Free tier only" checkbox. The main list displays two AMI options:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)
Amazon Linux 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)
Select
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8
Amazon Linux Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)
Select

At the bottom of the screenshot, there's a Windows taskbar with icons for File Explorer, File Manager, Microsoft Edge, Google Chrome, and others. The date and time are also visible at the bottom right.

2. CHOOSING AN INSTANCE TYPE

The screenshot shows the AWS Launch Instance Wizard interface. The top navigation bar includes the AWS logo, Services dropdown, Resource Groups dropdown, and user profile (shreya). Below the navigation is a breadcrumb trail: 1. Choose AMI, 2. Choose Instance Type (which is underlined), 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 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

	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

Buttons at the bottom: Cancel, Previous, **Review and Launch**, Next: Configure Instance Details

Windows taskbar at the bottom: Start button, Search bar, File Explorer, Microsoft Edge, Task View, Taskbar icons, and system tray showing 20:20, ENG, 02-04-2020, battery level, and signal strength.

3.ADDING STORAGE

The screenshot shows the AWS Launch Instance Wizard at Step 4: Add Storage. The wizard is a seven-step process: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (which is selected), 5. Add Tags, 6. Configure Security Group, and 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

Windows taskbar at the bottom:

- Type here to search
- File Explorer icon
- OneDrive icon
- Microsoft Edge icon
- Power icon
- Task View icon
- File icon
- Calculator icon
- Google Chrome icon
- Microsoft Store icon
- Windows Media Player icon
- Taskbar icons for various applications
- Network icon
- Power icon
- ENG 02-04-2020
- 20:21

4.CONFIGURING SECURITY GROUP

The screenshot shows the AWS Launch Instance Wizard at Step 6: Configure Security Group. The security group is named 'launch-wizard-2' and has a single inbound rule for port 22 on TCP. A warning message states: "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."

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

Security group name: launch-wizard-2

Description: launch-wizard-2 created 2020-04-02T20:22:21.130+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

The screenshot shows the EC2 Management Console displaying a success message: "Inbound security group rules successfully modified on security group (sg-0d058cc55d41cd0af | launch-wizard-2)". The details page for the security group 'sg-0d058cc55d41cd0af - launch-wizard-2' is shown, listing its name, ID, description, owner, and rule counts. The 'Inbound rules' tab is selected.

New EC2 Experience
Tell us what you think

EC2 Dashboard

Events New

Tags

Reports

Limits

INSTANCES

- Instances
- Instance Types
- Launch Templates New
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts New
- Capacity Reservations

IMAGES

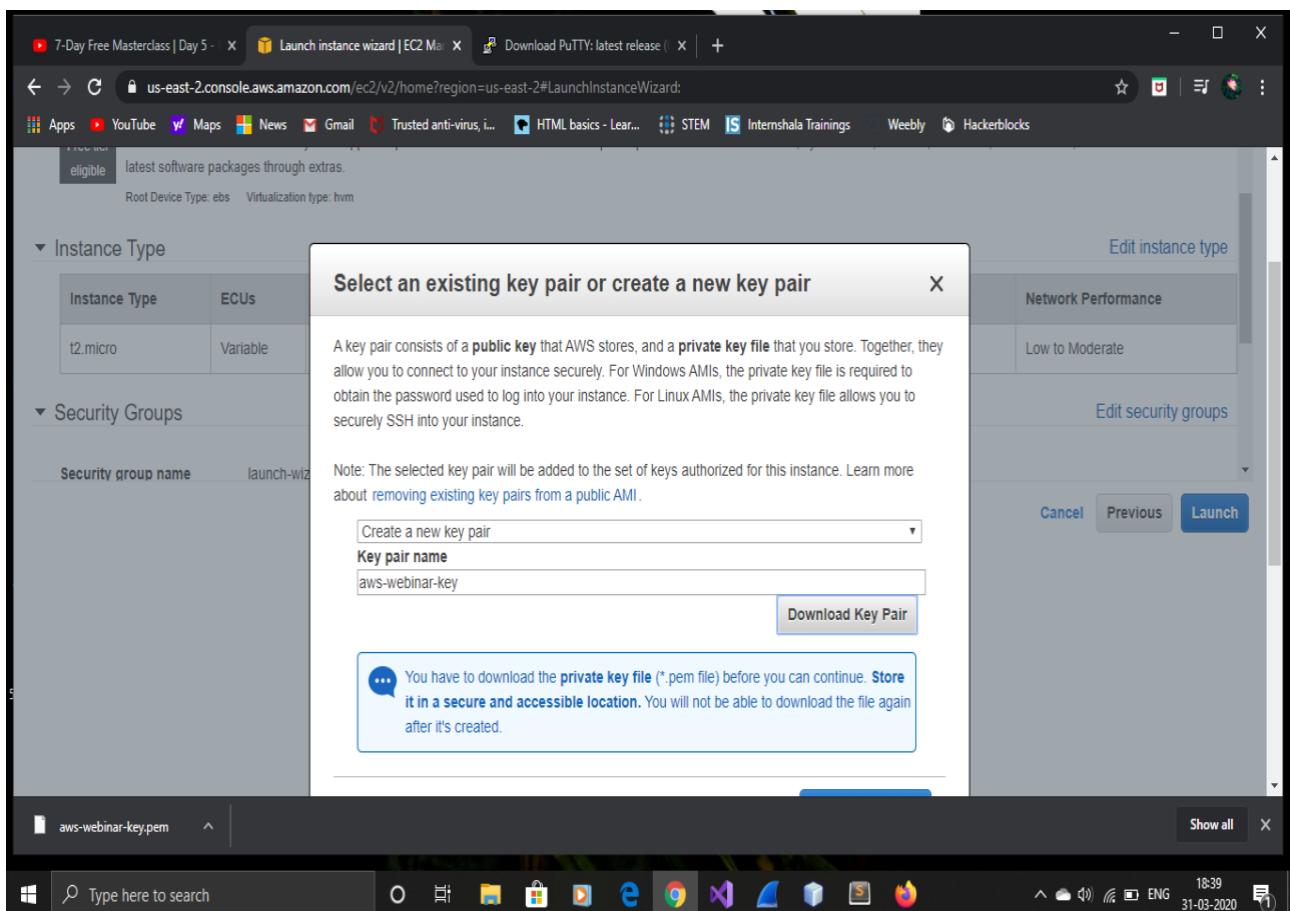
AMIs

Feedback English (US)

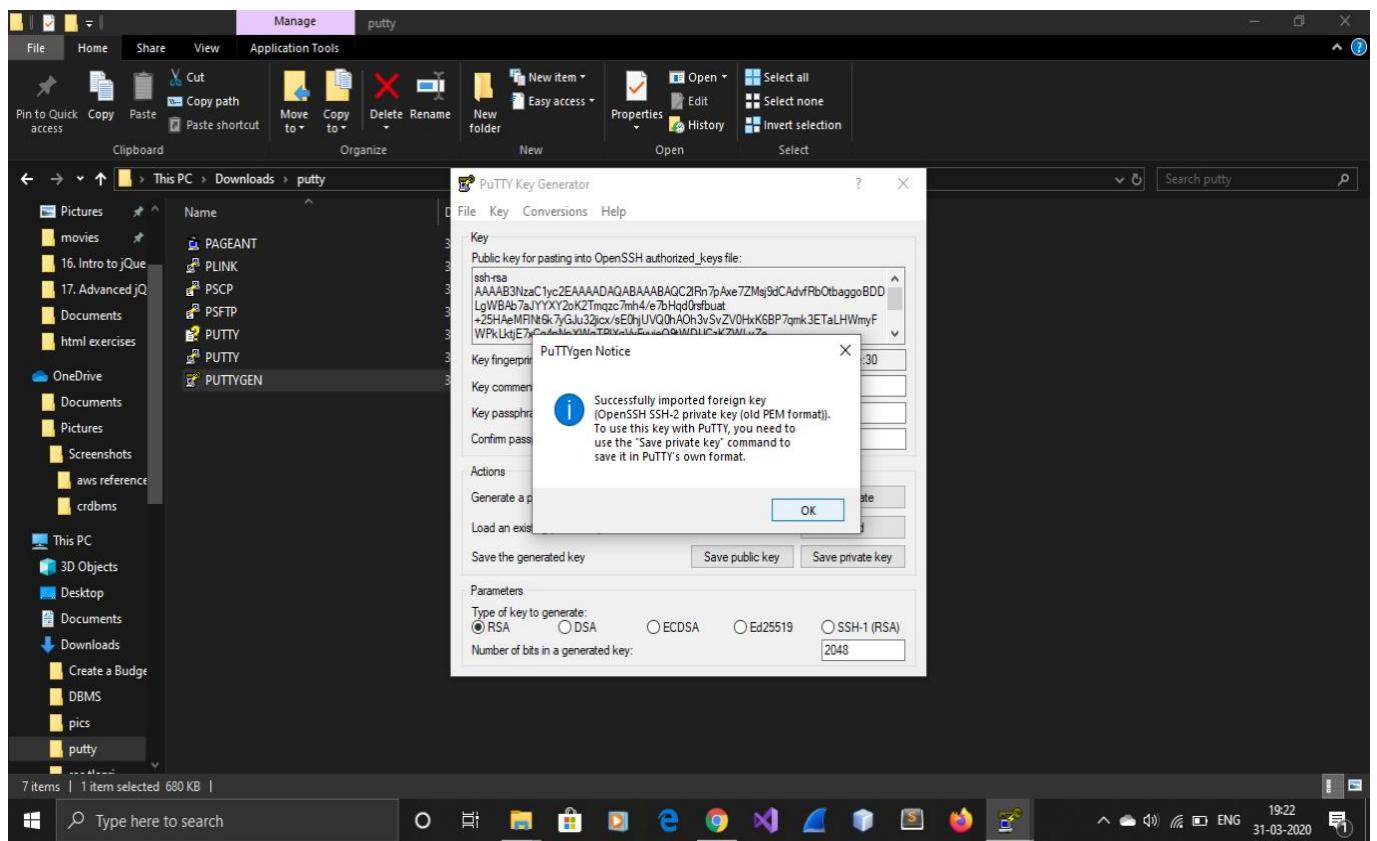
Inbound rules Outbound rules Tags

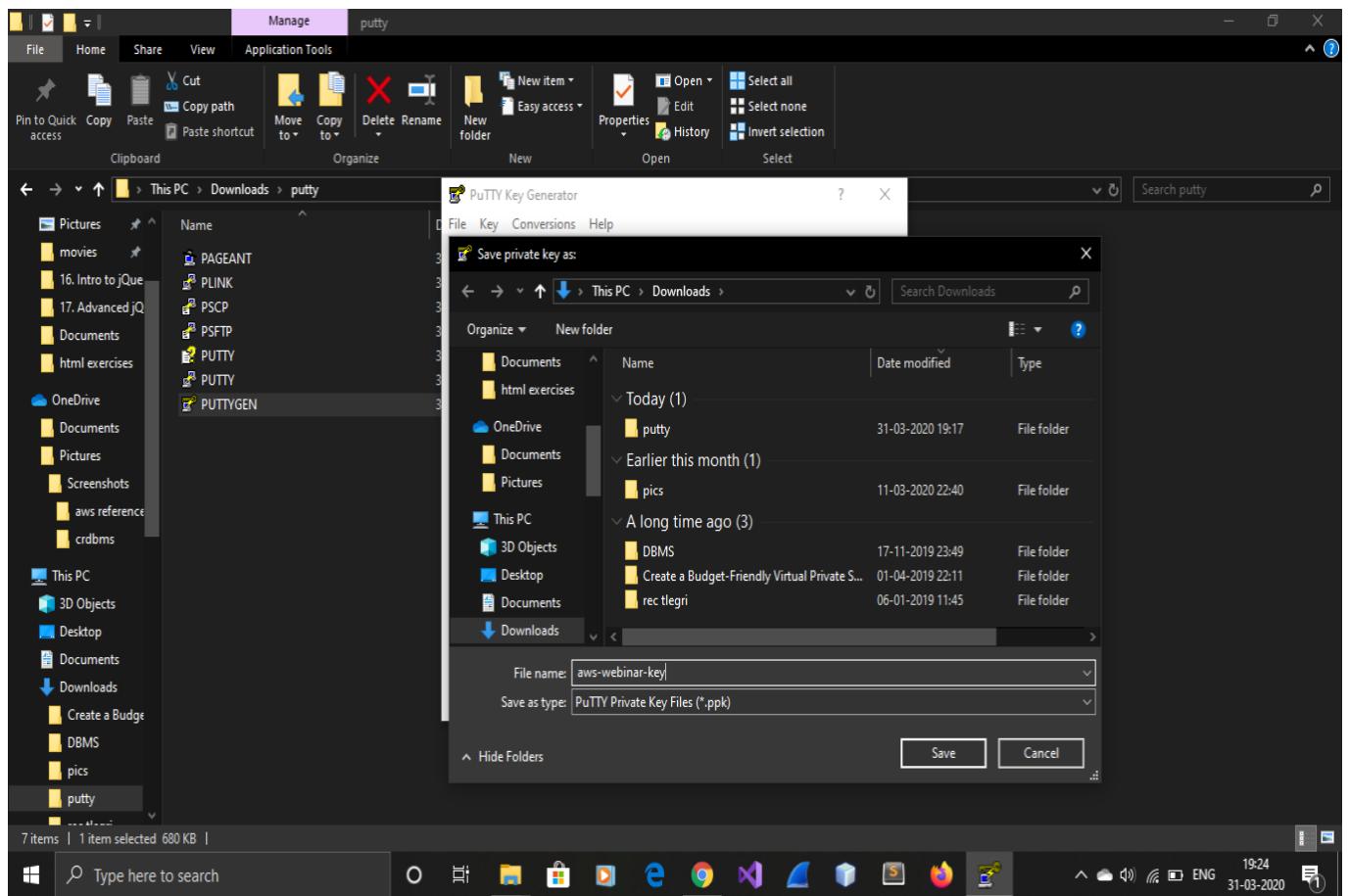
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5. KEY PAIR DOWNLOAD

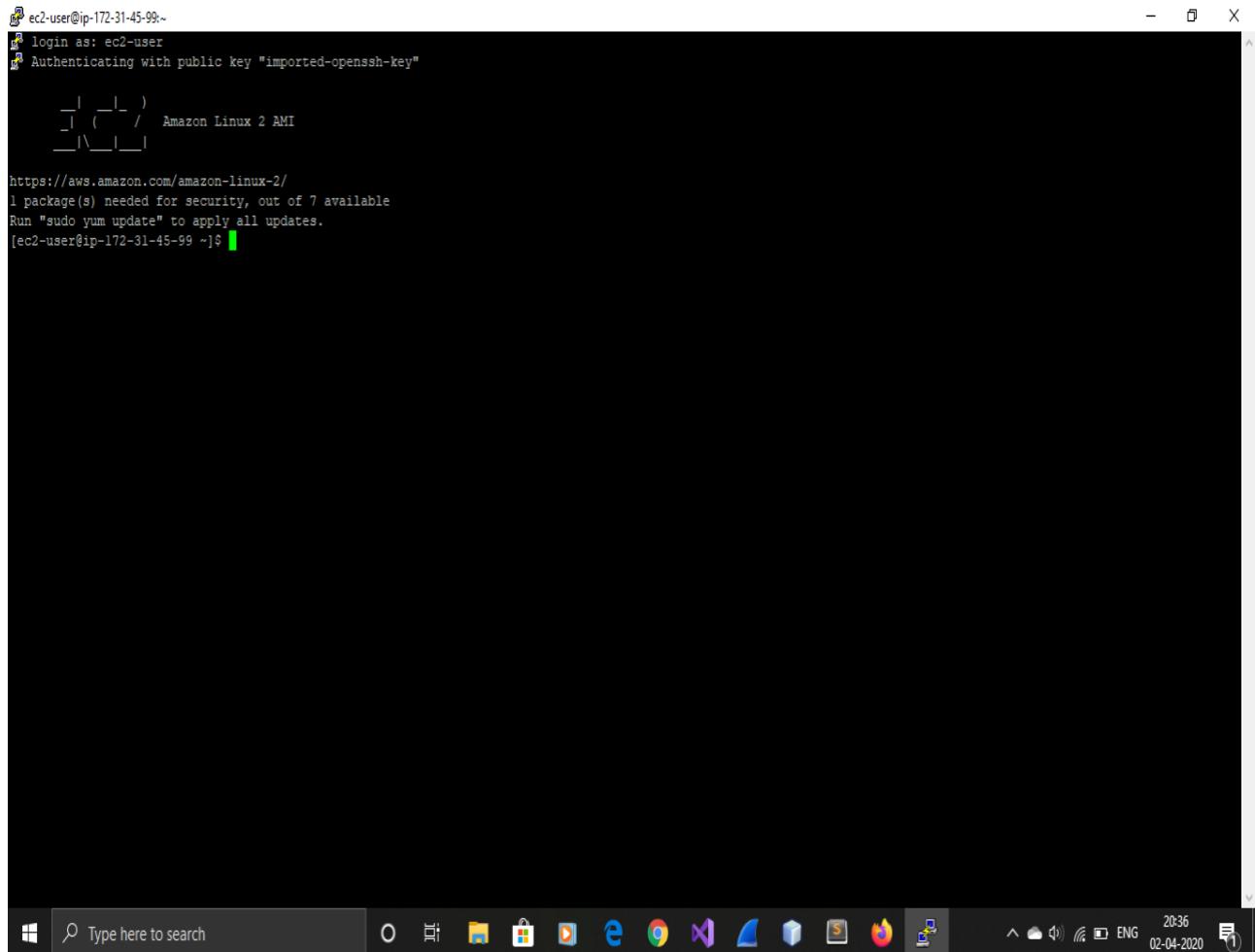


6.PuTTYgen CONVERSION FROM PEM TO PPK





7.LOGGED IN EC2 BLACK SCREEN

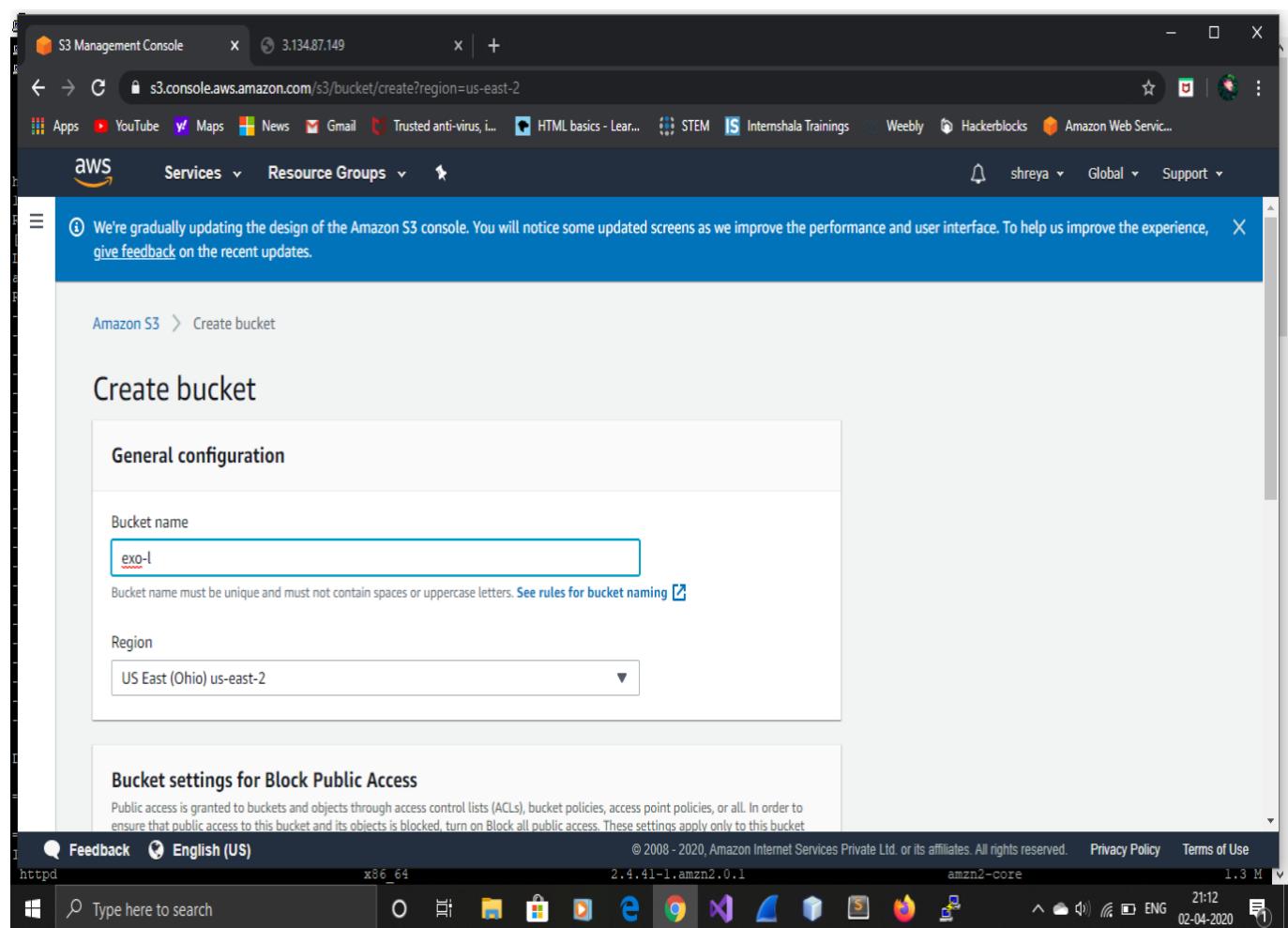


```
ec2-user@ip-172-31-45-99:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
[ec2-user@ip-172-31-45-99 ~]$
```

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-172-31-45-99 ~]\$

S3

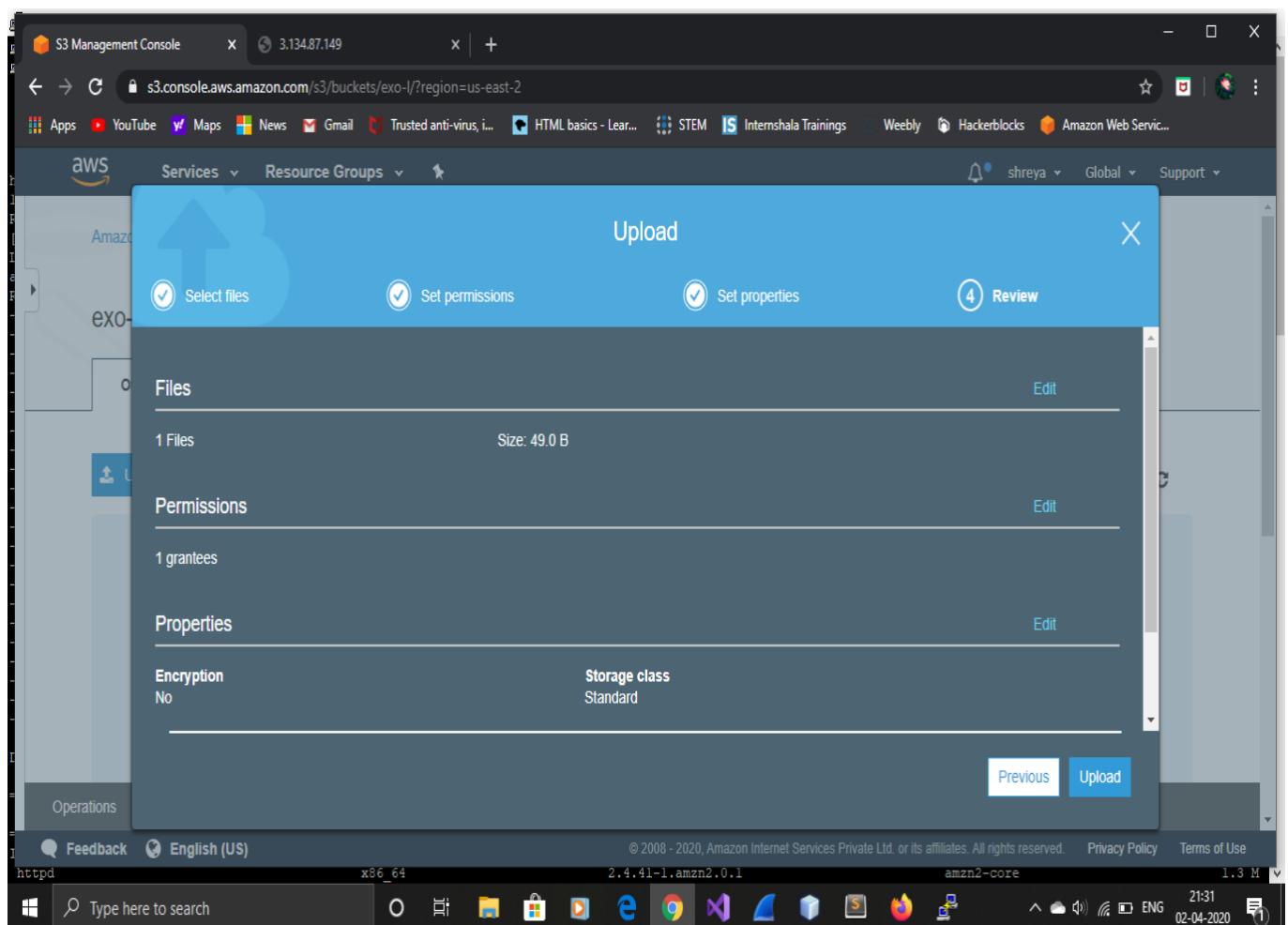
1.CREATING BUCKET



The screenshot shows the AWS S3 Management Console interface. At the top, there is a banner message: "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, a green notification bar says "Successfully created bucket exo-l". It includes a link to "Go to bucket details" and an "X" button to close it. The main area is titled "Amazon S3" and shows a table of buckets. The table has columns for Name, Region, Access, and Bucket created. One row is visible: "exo-l" (Region: US East (Ohio) us-east-2, Access: Not Public, Bucket created: 2020-04-02T15:42:13.000Z). There are buttons for "Copy ARN", "Empty", "Delete", and "Create bucket". On the left sidebar, there are links for "Buckets", "Batch operations", "Access analyzer for S3", and "Block public access (account settings)". At the bottom, there is a navigation bar with links for "Feedback", "English (US)", "Privacy Policy", and "Terms of Use". The taskbar at the very bottom shows various application icons and system status.

Name	Region	Access	Bucket created
exo-l	US East (Ohio) us-east-2	Not Public	2020-04-02T15:42:13.000Z

2.UPLOADING AN OBJECT



S3 Management Console 3.134.87.149 s3.console.aws.amazon.com/s3/buckets/exo-l/?region=us-east-2

Apps YouTube Maps News Gmail Trusted anti-virus, i... HTML basics - Lear... STEM Internshala Trainings Weebly Hackerblocks Amazon Web Servic...

Services Resource Groups shreya Global Support

Amazon S3 > exo-l

exo-l

Overview Properties Permissions Management Access points

Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions US East (Ohio)

Viewing 1 to 1

Name	Last modified	Size	Storage class
index.html	Apr 2, 2020 9:31:41 PM GMT+0530	49.0 B	Standard

Viewing 1 to 1

Operations 0 In progress 3 Success 0 Error

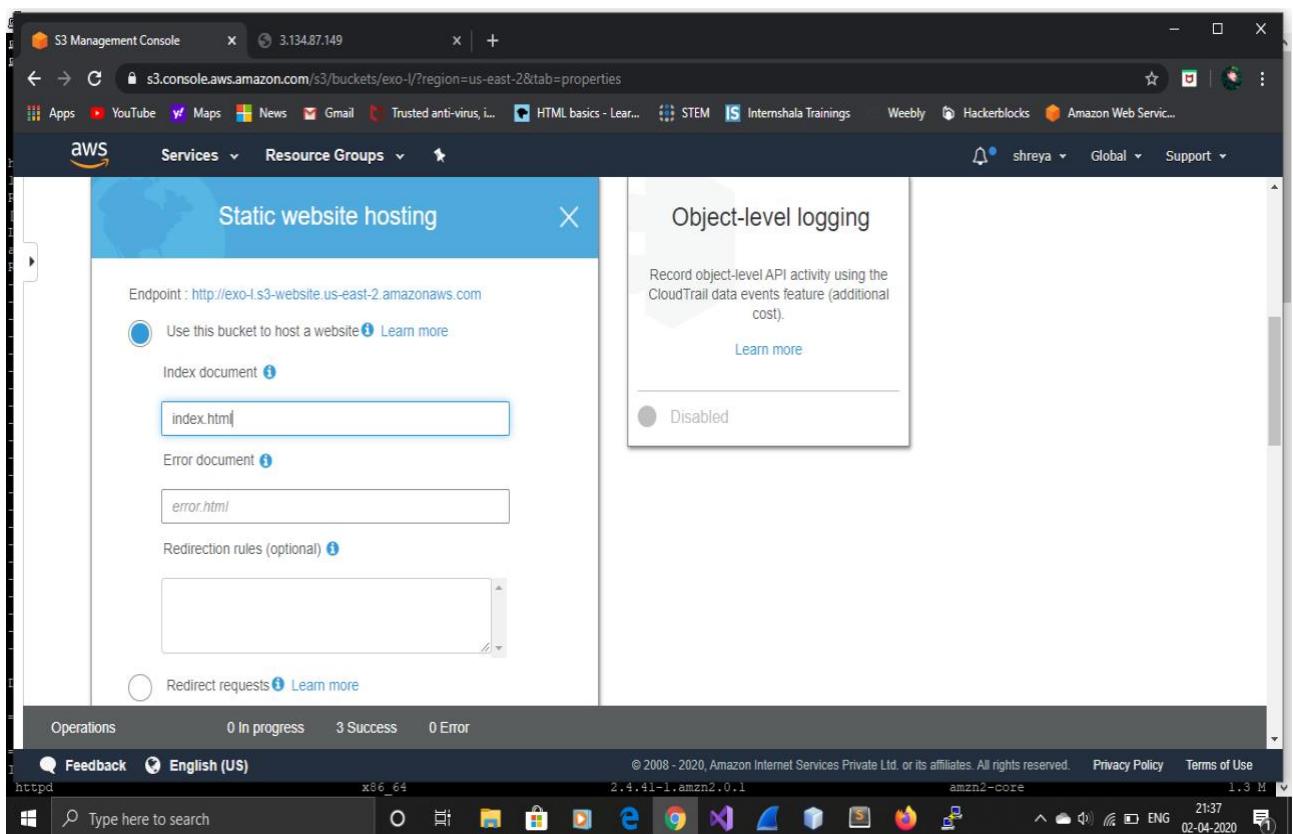
Feedback English (US) © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

httpd x86_64 2.4.41-1.amzn2.0.1 amzn2-core 1.3 M

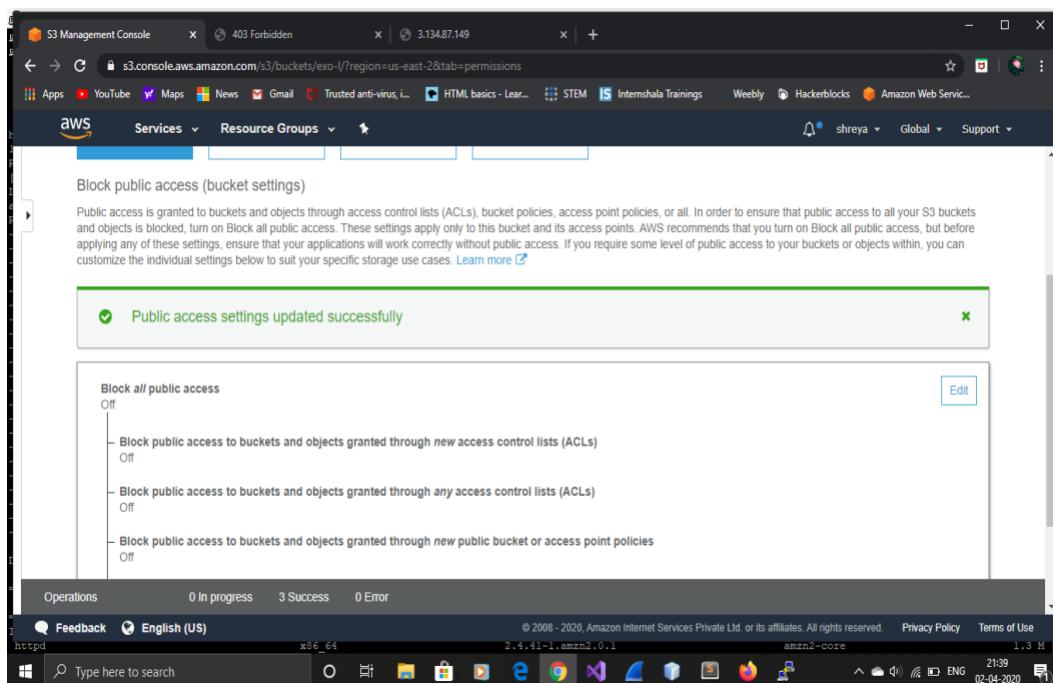
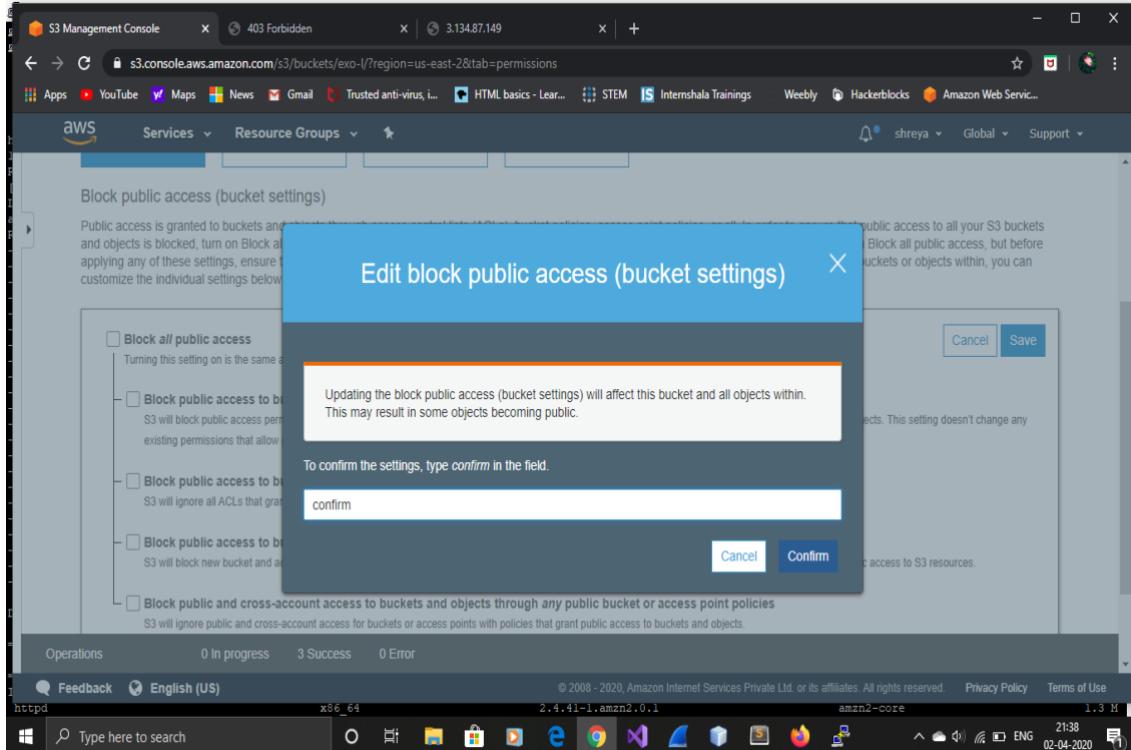
Type here to search O E

21:31 02-04-2020 ENG

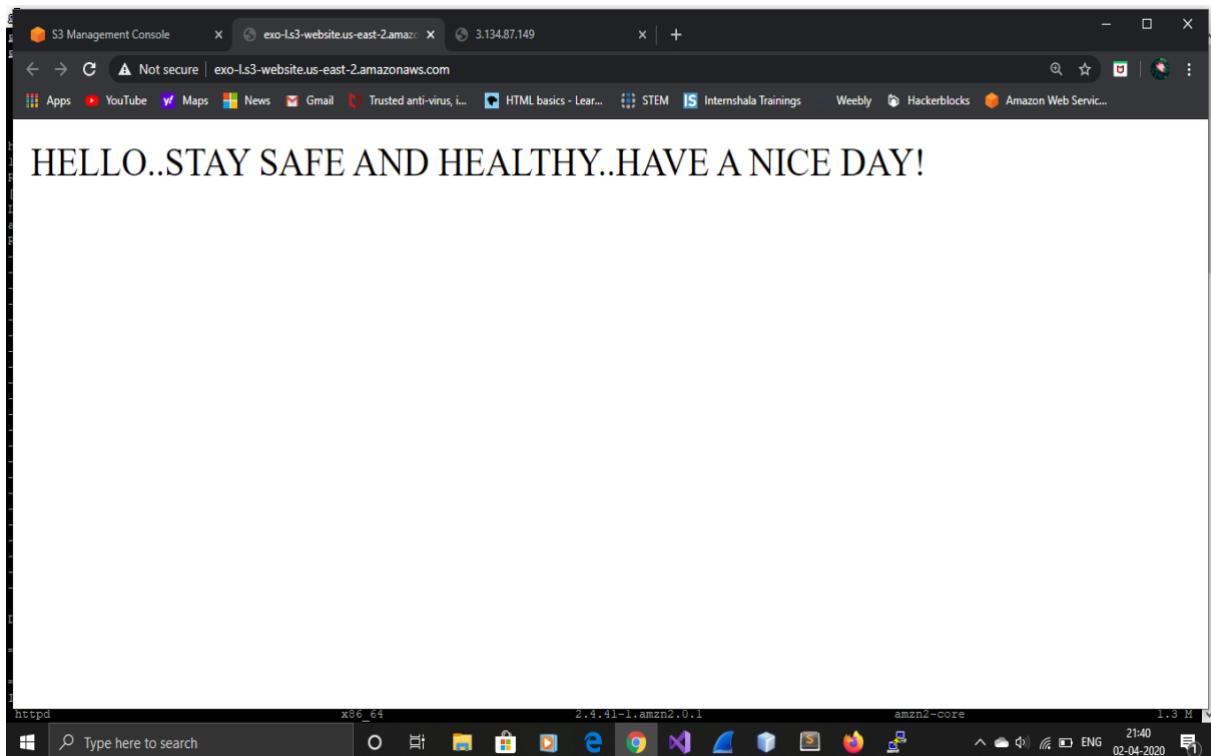
3. ENABLING STATIC WEBSITE



4. MAKING THE OBJECT PUBLIC



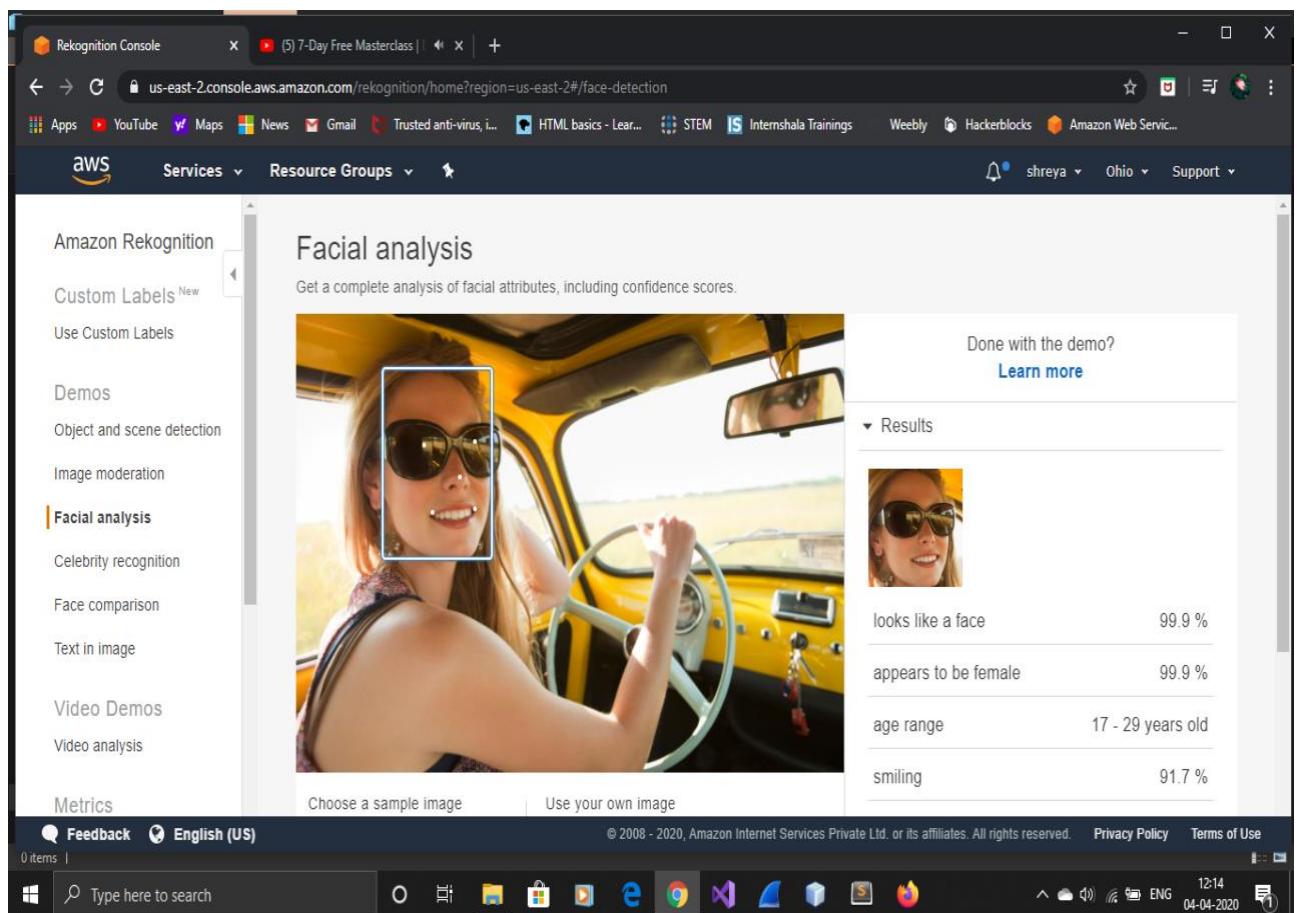
5.CHECKING THE S3 LINK ON THE BROWSER



RECOGNITION

The screenshot shows the Amazon Rekognition console homepage. The URL in the browser is `us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/`. The page features a dark blue background with a network graph pattern. On the left, a sidebar lists various services: Custom Labels, Use Custom Labels, Demos (Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image), Video Demos (Video analysis), and Metrics. The main content area has a large heading "Amazon Rekognition" and a sub-heading "Deep learning-based visual analysis service". It also includes a "Try Demo" button and a "Download SDKs" link. Below this, there are three icons: a stack of three squares labeled "Easily Integrate Powerful", a circuit board labeled "Continuously Learning", and a puzzle piece labeled "Integrated with AWS Services". At the bottom, there is footer text: "© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.", "Privacy Policy", "Terms of Use", and a timestamp "12:05 04-04-2020".

1. FACE DETECT



The screenshot shows the Amazon Rekognition Facial analysis interface. On the left sidebar, under the 'Facial analysis' section, there is a list of options: Custom Labels, Use Custom Labels, Demos, Object and scene detection, Image moderation, Facial analysis (which is selected and highlighted in orange), Celebrity recognition, Face comparison, Text in image, Video Demos, Video analysis, and Metrics. Below this list are buttons for 'Choose a sample image' and 'Use your own image'. The main content area features a photograph of a woman driving a yellow car, with a blue bounding box highlighting her face. The text 'Facial analysis' is displayed above the image, followed by the sub-instruction 'Get a complete analysis of facial attributes, including confidence scores.' To the right of the image, there is a 'Results' section with the following data:

looks like a face	99.9 %
appears to be female	99.9 %
age range	17 - 29 years old
smiling	91.7 %

At the top of the results section, there is a link 'Done with the demo? Learn more'.

2. FACE COMPARE

The screenshot shows the Amazon Rekognition Face Comparison interface in a web browser. The left sidebar lists various services like Custom Labels, Demos, and Face comparison, with Face comparison selected. The main area displays a "Reference face" (a young girl smiling) and "Comparison faces" (two other girls). A results section shows a comparison between the reference face and one of the comparison faces, with a similarity score of 99.8% indicated by a blue bar and an equals sign icon.

Rekognition Console | (5) 7-Day Free Masterclass | 🔍 X +

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

AWS Services Resource Groups

shreya 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

Feedback English (US)

0 items | Type here to search

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12:13 ENG 04-04-2020

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](#)

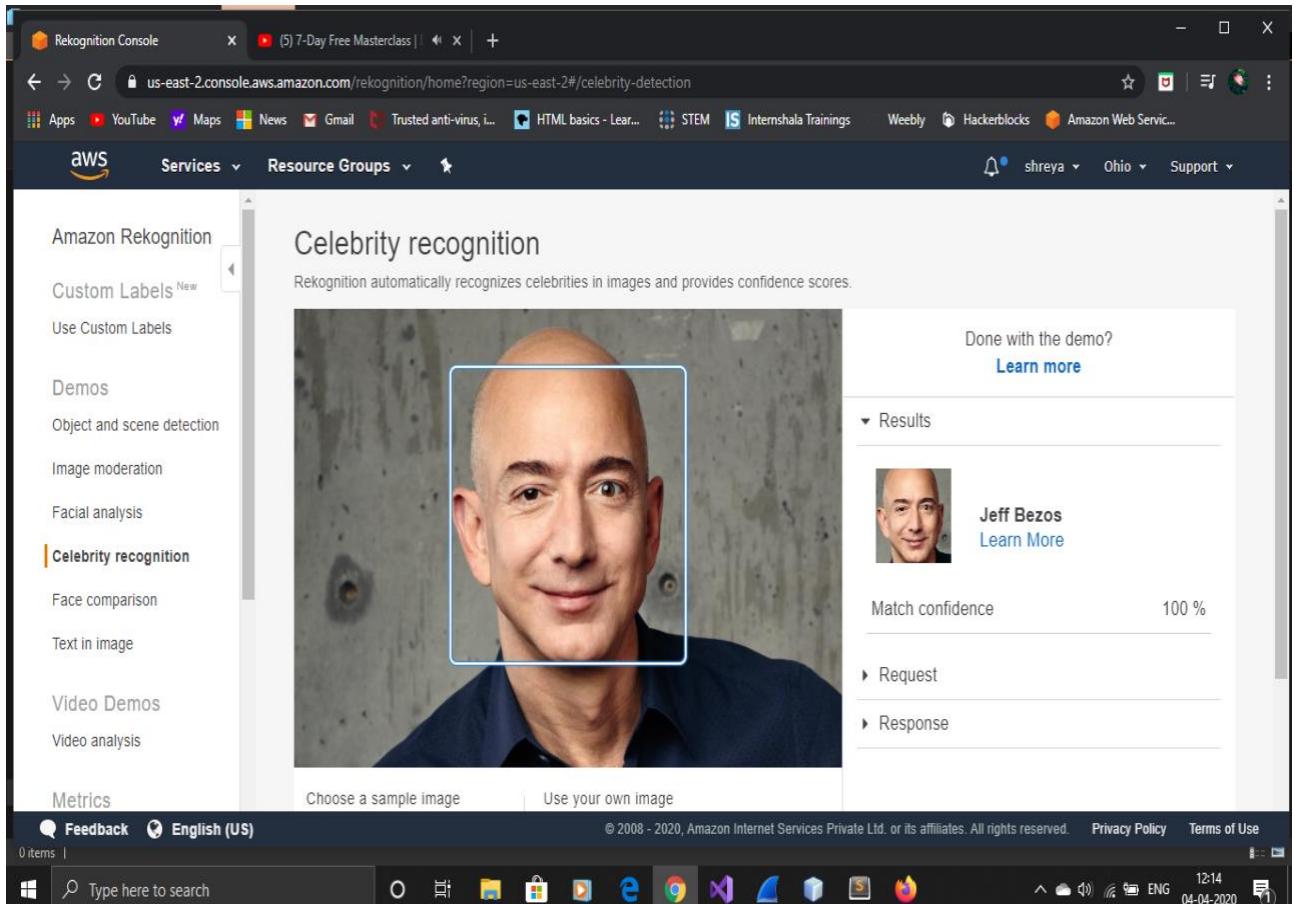
Results

Similarity 99.8 %

=

Choose a sample image Choose a sample image

3.CELEBRITY REKOGNITION



4. TEXT IN IMAGE

The screenshot shows the Amazon Rekognition Text Detection demo page. On the left, a sidebar lists various services: Custom Labels, Use Custom Labels, Demos, Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image (which is selected and highlighted in orange), Video Demos, and Video analysis. Below this is a Metrics section. The main content area has a title "Text in image" and a subtitle "Rekognition automatically detects and extracts text in your images. Learn More". It features a sample image of an orange mug with a smiley face, overlaid with text: "IT'S MONDAY but keep Smiling". To the right, there's a "Results" section showing the detected text: "IT'S | MONDAY | but | keep | Smiling |". Below this are sections for "Request" and "Response". At the bottom, there are links for "Feedback", "English (US)", and "Metrics". The status bar at the bottom shows the date and time: "04-04-2020 12:13".

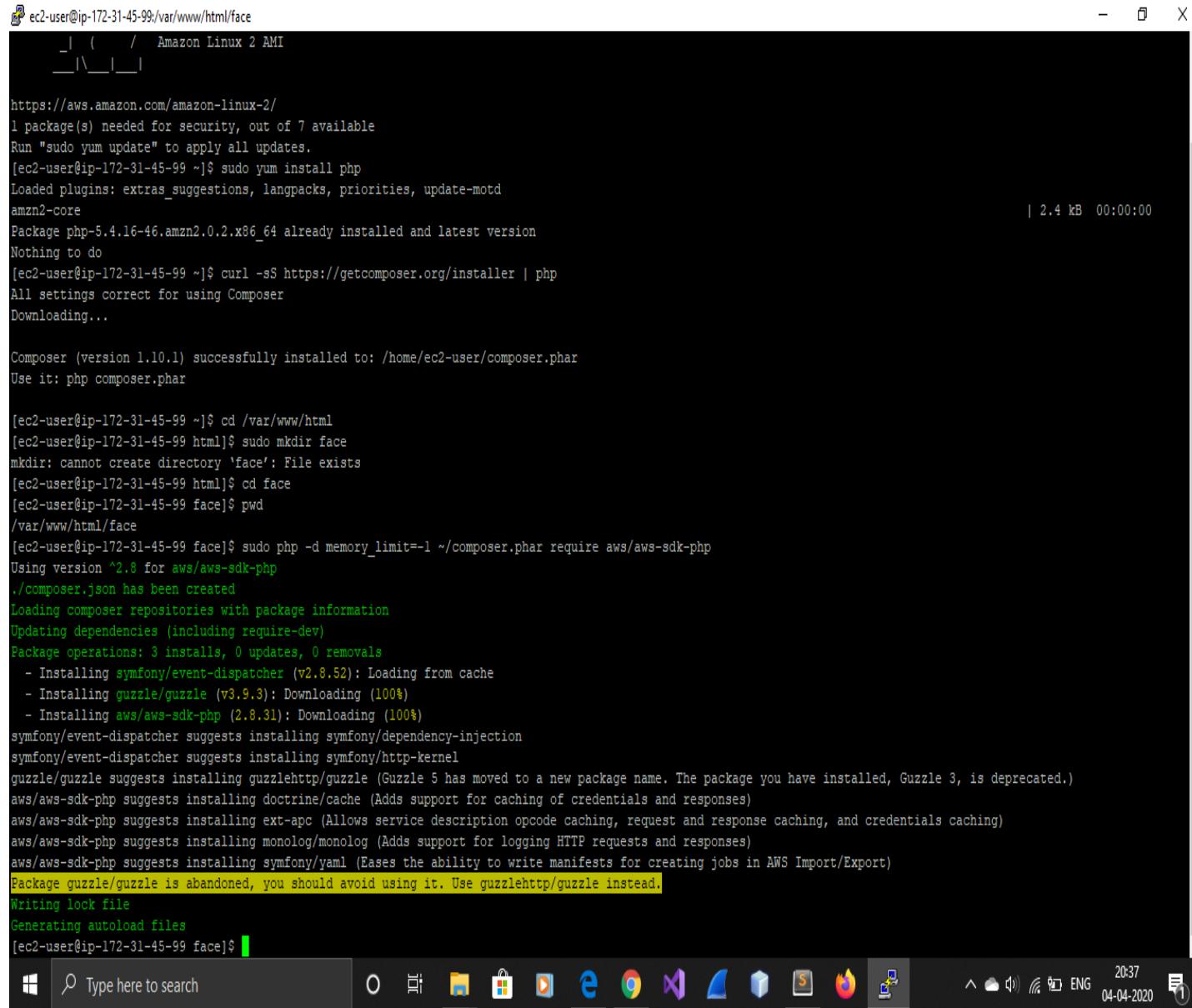
EC2 & S3

1.INSTALLING PHP

```
ec2-user@ip-172-31-45-99:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
Last login: Sat Apr  4 12:55:20 2020 from 223.186.121.22  
_ _| _ _ )  
_ | ( _ /  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-172-31-45-99 ~]$ sudo yum install php  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
amzn2-core  
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version  
Nothing to do  
[ec2-user@ip-172-31-45-99 ~]$ curl -sS 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-172-31-45-99 ~]$
```

The screenshot shows a Windows desktop environment with a terminal window open. The terminal window displays the command-line process of installing PHP on an Amazon Linux 2 AMI instance. The user logs in as 'ec2-user' and runs 'sudo yum install php'. It shows that the package is already installed and up-to-date. Then, the user runs 'curl -sS https://getcomposer.org/installer | php' to download and install Composer. The terminal shows the progress of the download and the successful installation of Composer to the path '/home/ec2-user/composer.phar'. The desktop taskbar at the bottom shows various icons for Microsoft Office applications like Word, Excel, and Powerpoint, as well as browser icons for Edge, Google Chrome, and Mozilla Firefox. The system tray shows network connectivity, battery status, and the date and time (18:29, 04-04-2020).

2.INSTALLING AWS-SDK



ec2-user@ip-172-31-45-99:/var/www/html/face

```
[ec2-user@ip-172-31-45-99 ~]$ sudo yum update
[ec2-user@ip-172-31-45-99 ~]$ sudo yum install php
[ec2-user@ip-172-31-45-99 ~]$ curl -sS https://getcomposer.org/installer | php
[ec2-user@ip-172-31-45-99 ~]$ composer.phar
[ec2-user@ip-172-31-45-99 ~]$ cd /var/www/html
[ec2-user@ip-172-31-45-99 html]$ sudo mkdir face
[ec2-user@ip-172-31-45-99 html]$ cd face
[ec2-user@ip-172-31-45-99 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-45-99 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-172-31-45-99 face]$
```

Type here to search

20:37
04-04-2020

3.index.php FILE CODE

```
ec2-user@ip-172-31-45-99:/var/www/html/face
$keyname = 's.jpg';

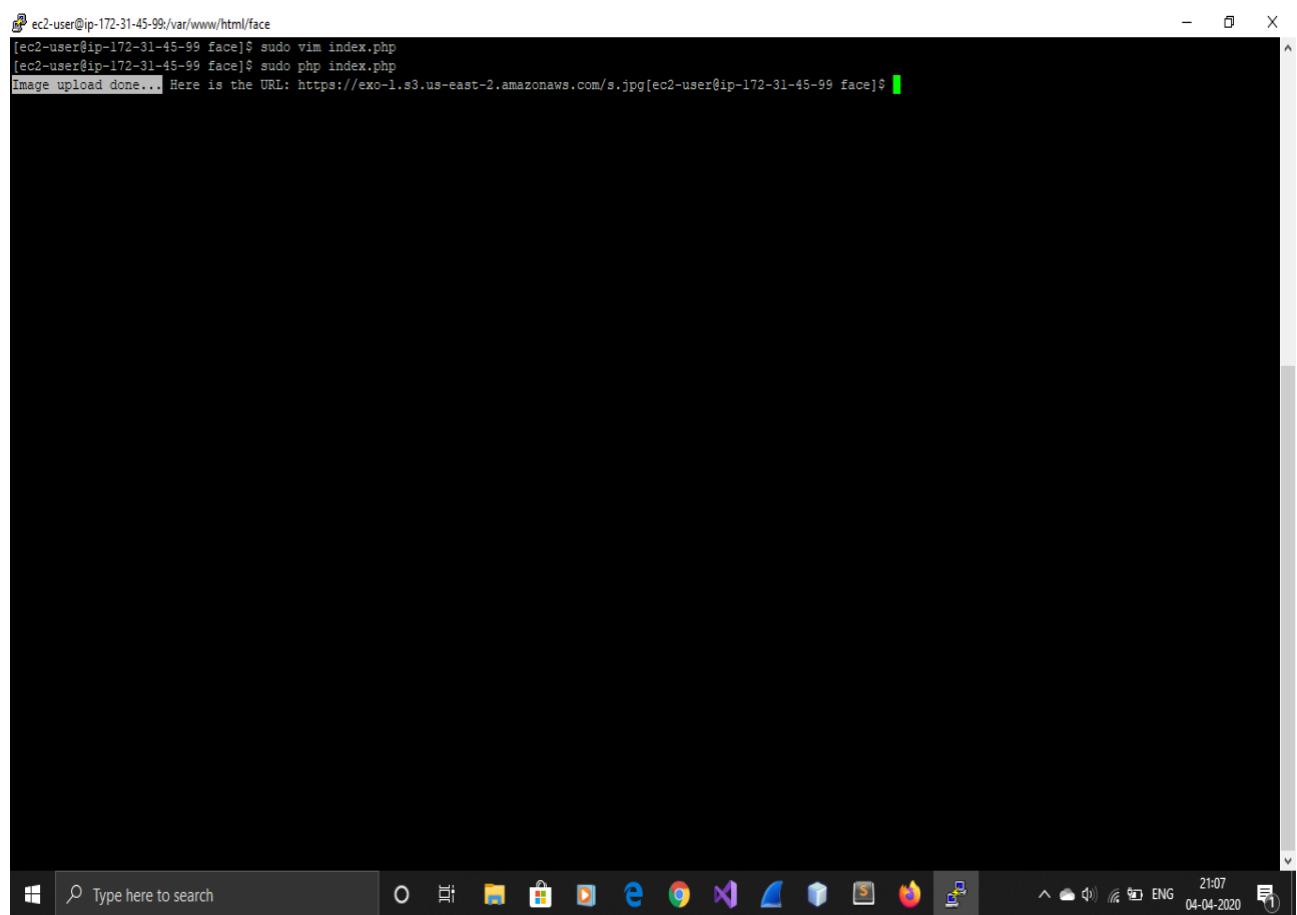
$s3 = S3Client::factory([
    'profile' => 'default',
    'region' => 'us-east-2',
    'version' => '2006-03-01',
    'signature' => 'v4' ]);

try { // Upload data.
    $result = $s3->putObject([
        'Bucket' => $bucket,
        'Key' => $keyname,
        'SourceFile' => __DIR__ . "/$keyname",
        'ACL' => 'public-read'
    ]);
    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl)
    {
        echo "Image upload done... Here is the URL: " . $imageUrl;
        $rekognition = new RekognitionClient([
            'region' => 'us-east-2',
            'version' => 'latest',
        ]);
        $result = $rekognition->detectFaces([
            'Attributes' => ['DEFAULT'],
            'Image' => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name' => $keyname,
                    'Key' => $keyname,
                ],
                [
                ],
                [
                ]
            ],
        ]);
        echo "Totally there are " . count($result["FaceDetails"]) . " faces";
    }
}
catch (Exception $e)
{
    echo $e->getMessage() . PHP_EOL;
}

"index.php" 63L, 1591C
```



4.UPLOAD SUCCESS SCREENSHOT



```
ec2-user@ip-172-31-45-99:~$ sudo vim index.php
[ec2-user@ip-172-31-45-99 ~]$ sudo php index.php
Image upload done.. Here is the URL: https://exo-1.s3.us-east-2.amazonaws.com/s.jpg[ec2-user@ip-172-31-45-99 ~]$
```

The screenshot shows a Windows desktop environment. A terminal window is open in the background, displaying a successful file upload message. The message indicates that the file was uploaded and provides a URL: <https://exo-1.s3.us-east-2.amazonaws.com/s.jpg>. The desktop taskbar at the bottom shows various application icons, including File Explorer, Microsoft Edge, and other system utilities. The system tray on the right side of the taskbar displays the date (04-04-2020), time (21:07), and language (ENG).

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Overview Properties Permissions Management Access points

Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions US East (Ohio)

Name	Last modified	Size	Storage class
index.html	Apr 2, 2020 9:31:41 PM GMT+0530	49.0 B	Standard
s.jpg	Apr 4, 2020 9:06:53 PM GMT+0530	291.0 KB	Standard

Viewing 1 to 2

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Type here to search

21:07 ENG 04-04-2020

EC2 & REKOGNITION

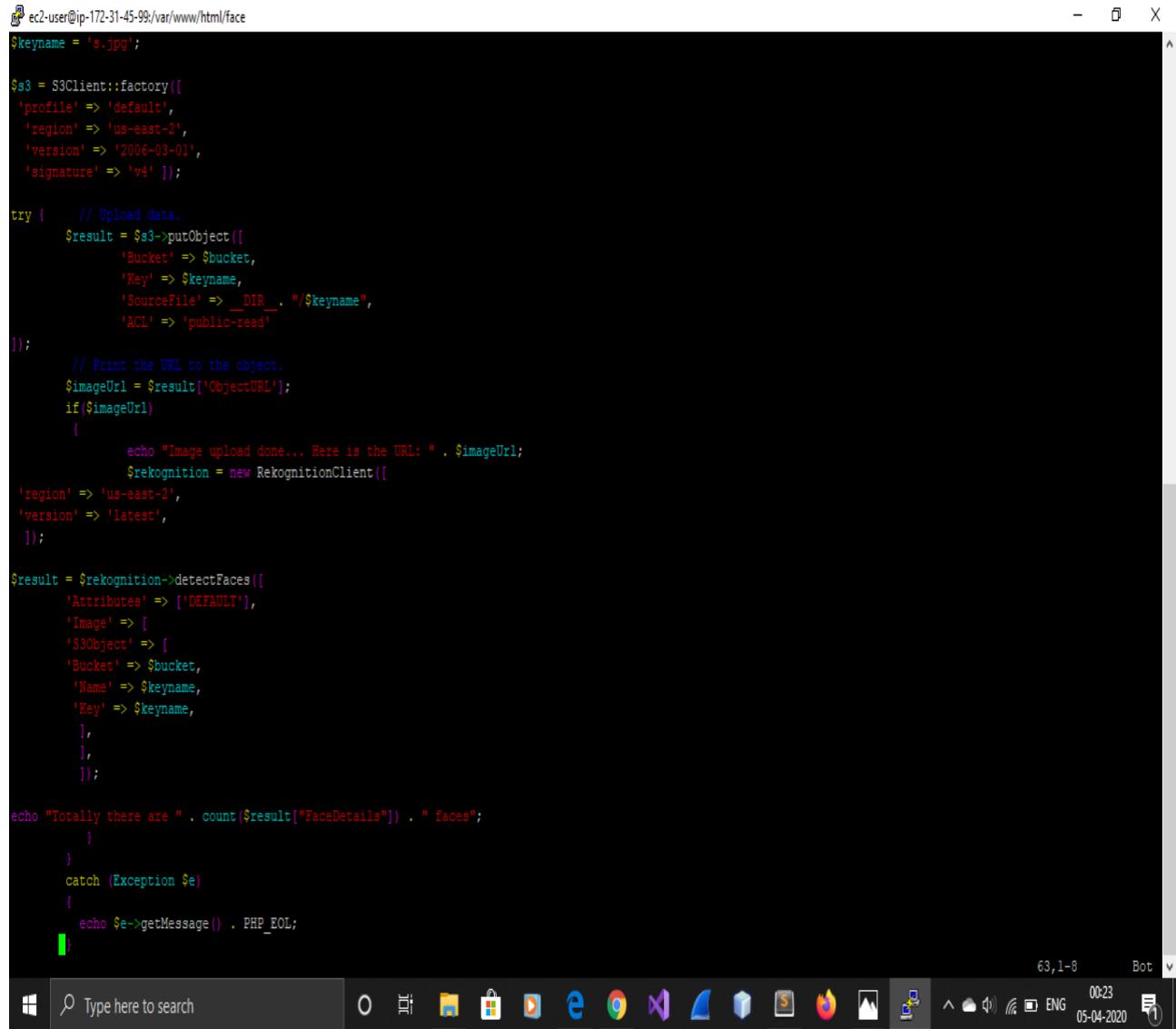
```
ec2-user@ip-172-31-45-99:var/www/html/face
$keyname = 's.jpg';

$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'
    ]);
    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl)
    {
        echo "Image upload done... Here is the URL: " . $imageUrl;
        $rekognition = new RekognitionClient([
            'region' => 'us-east-2',
            'version' => 'latest',
        ]);

        $result = $rekognition->detectFaces([
            'Attributes' => ['DEFAULT'],
            'Image' => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name' => $keyname,
                    'Key' => $keyname,
                ],
                [
                ],
            ],
        ]);

        echo "Totally there are " . count($result["FaceDetails"]) . " faces";
    }
}
catch (Exception $e)
{
    echo $e->getMessage() . PHP_EOL;
}
```



```
ec2-user@ip-172-31-45-99:~/var/www/html/face
[ec2-user@ip-172-31-45-99 face]$ sudo vim index.php
[ec2-user@ip-172-31-45-99 face]$ sudo php index.php
Image upload done... Here is the URL: https://exo-1.s3.us-east-2.amazonaws.com/s.jpgTotally there are 12 faces[ec2-user@ip-172-31-45-99 face]$
```

