

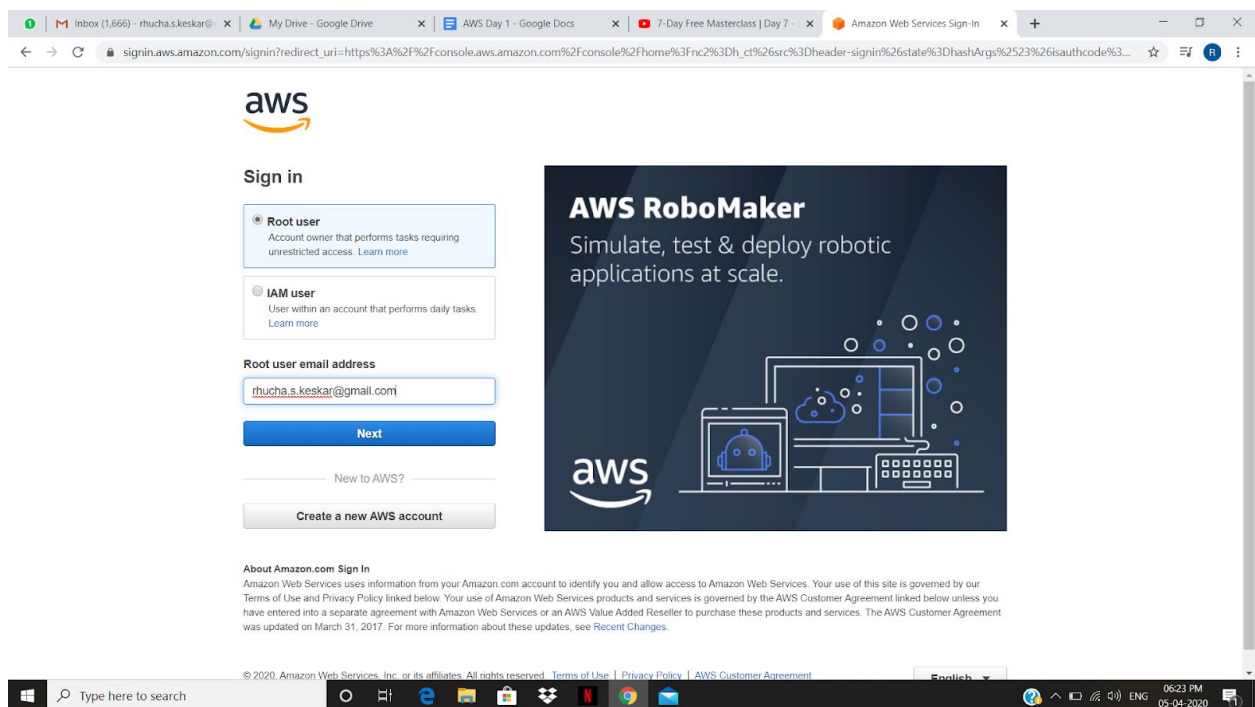
AWS MASTERCLASS

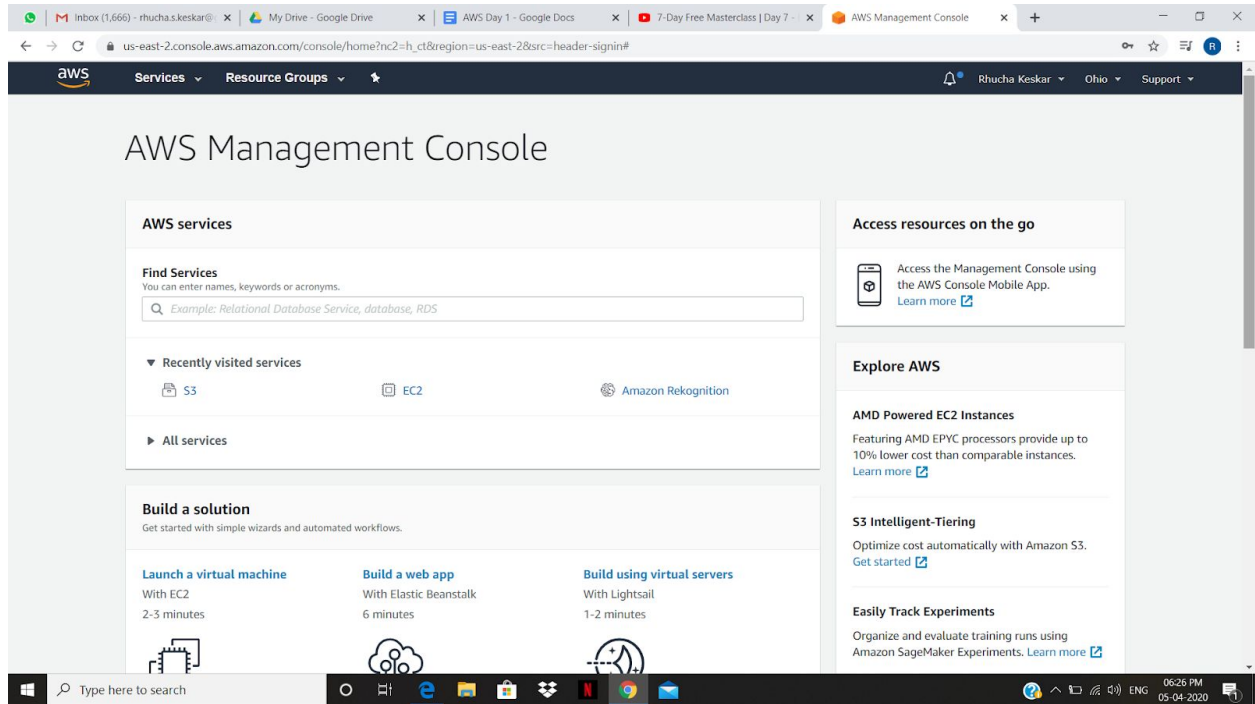
By, Rhucha Keskar

SIES Graduate School Of Technology, Mumbai

Screenshots needed for Dashboards

1. AWS Login screen with Username





2. EC2 Dashboard

EC2 Dashboard

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.

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Resource	Count
Running instances	0
Elastic IPs	0
Dedicated Hosts	0
Snapshots	0
Volumes	0
Load balancers	0
Key pairs	1
Security groups	2
Placement groups	0

Account attributes

- Supported platforms
- VPC
- Default VPC
- Console experiments
- Settings

Explore AWS

- Save 10% with AMD EPYC-Powered Instances
- Lower cost on compute and memory with AMD EPYC processors.
- Save up to 90% on EC2 with Spot Instances

Launch instance

Service health

3. S3 Dashboard

Amazon S3

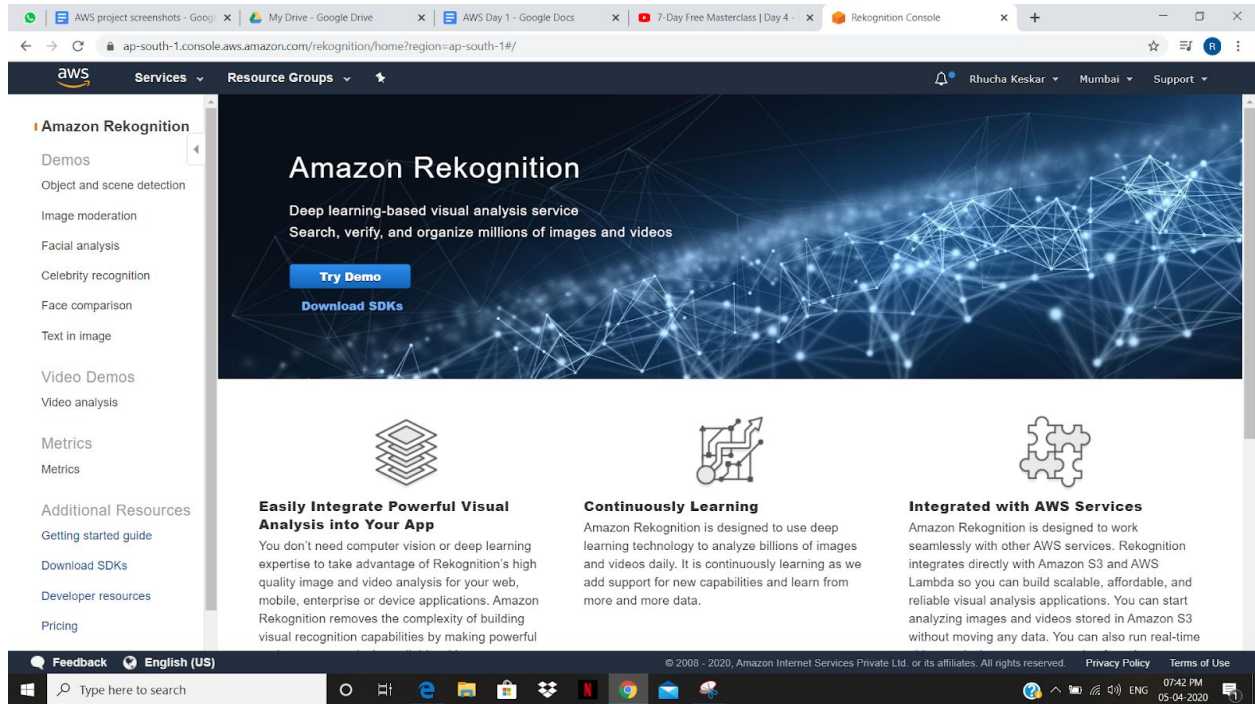
We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, [give feedback](#) on the recent updates.

Buckets (1)

Find bucket by name

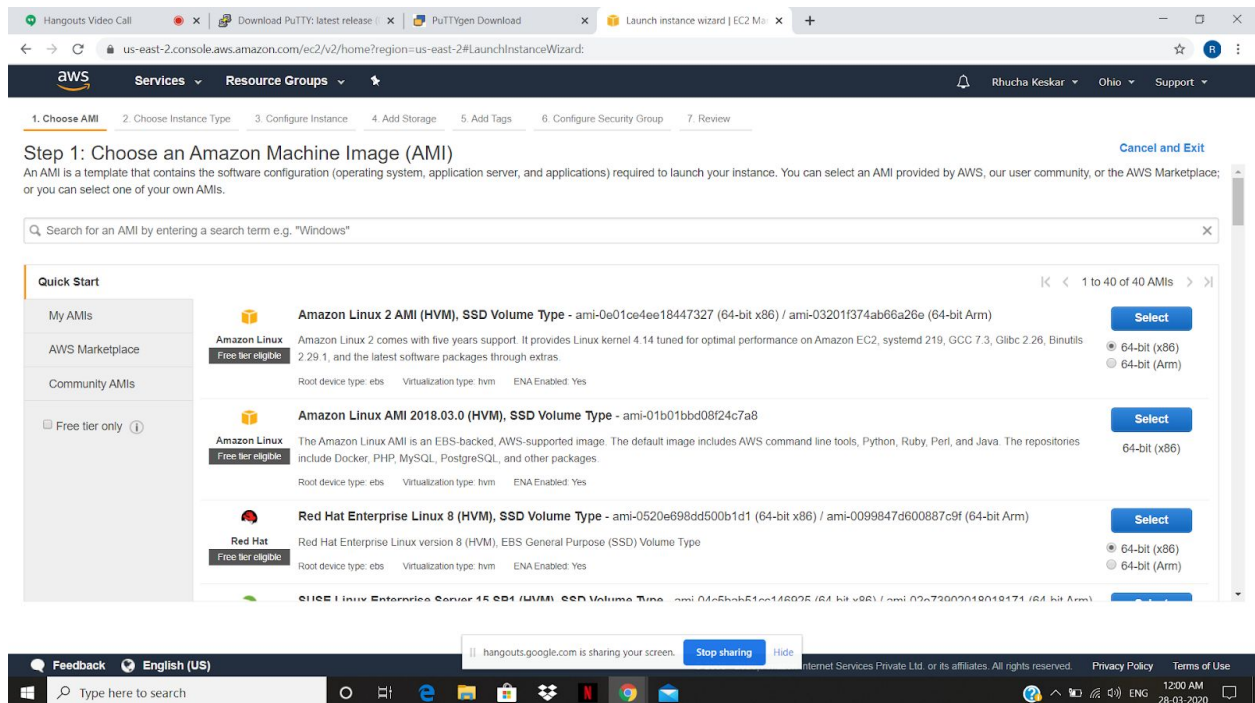
Name	Region	Access	Bucket created
rhuchabucket	US East (Ohio) us-east-2	Objects can be public	2020-03-28T17:51:46.000Z

4. Rekognition Dashboard



Screenshots needed for EC2

1. Choosing an AMI



2. Choosing an Instance type

The screenshot shows the AWS Management Console interface for the 'Launch instance wizard'. The 'Step 2: Choose an Instance Type' is active. The console displays a table of available instance types, with 't2.micro' selected. The 't2.micro' instance is highlighted in blue and has a green badge that says 'Free tier eligible'. The table lists various instance types, including 't2.nano', 't2.micro', 't2.small', 't2.medium', 't2.large', 't2.xlarge', 't2.2xlarge', and 't3a.nano'. The 't2.micro' instance is the only one with 1 vCPU and 1 GiB memory. The 't3a.nano' instance is also listed with 2 vCPUs and 0.5 GiB memory. The 't2.micro' instance is the only one with 1 vCPU and 1 GiB memory. The 't2.micro' instance is the only one with 1 vCPU and 1 GiB memory.

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

Buttons: Cancel, Previous, Review and Launch, Next: Configure Instance Details

3. Adding Storage

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 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](#)

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Type here to search

4. Configuring Security Group

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 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](#)

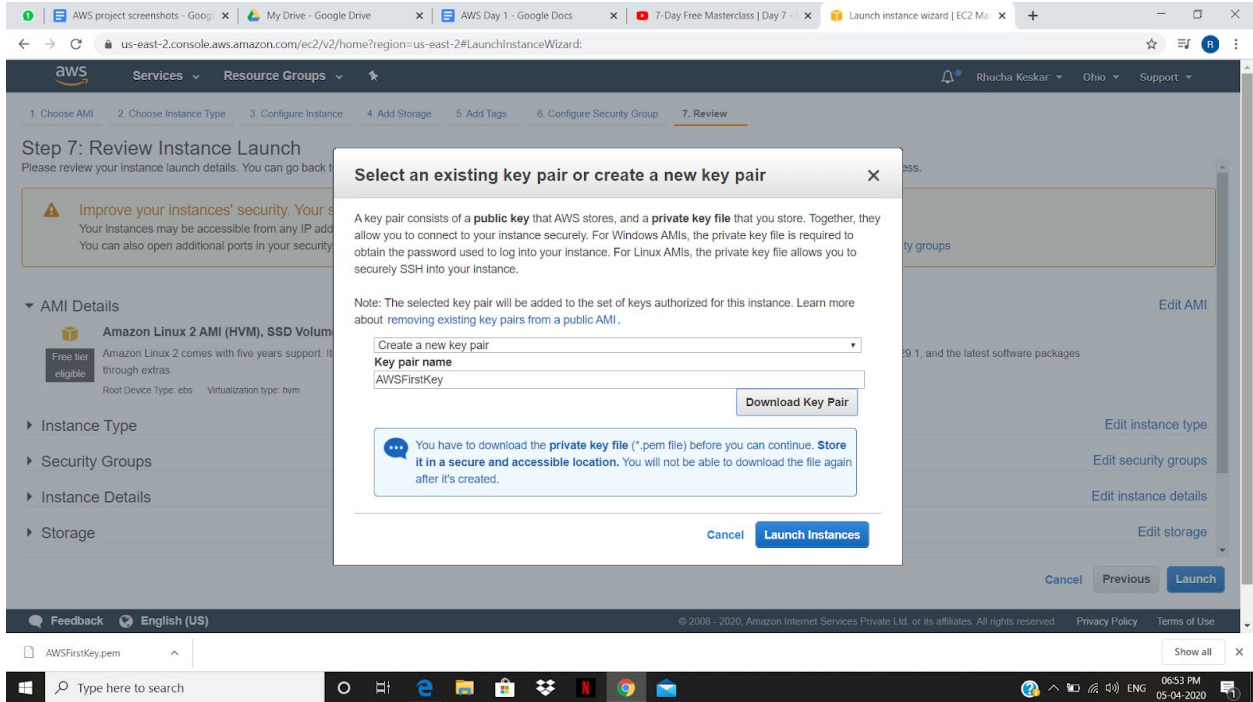
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

[Cancel](#) [Previous](#) [Review and Launch](#)

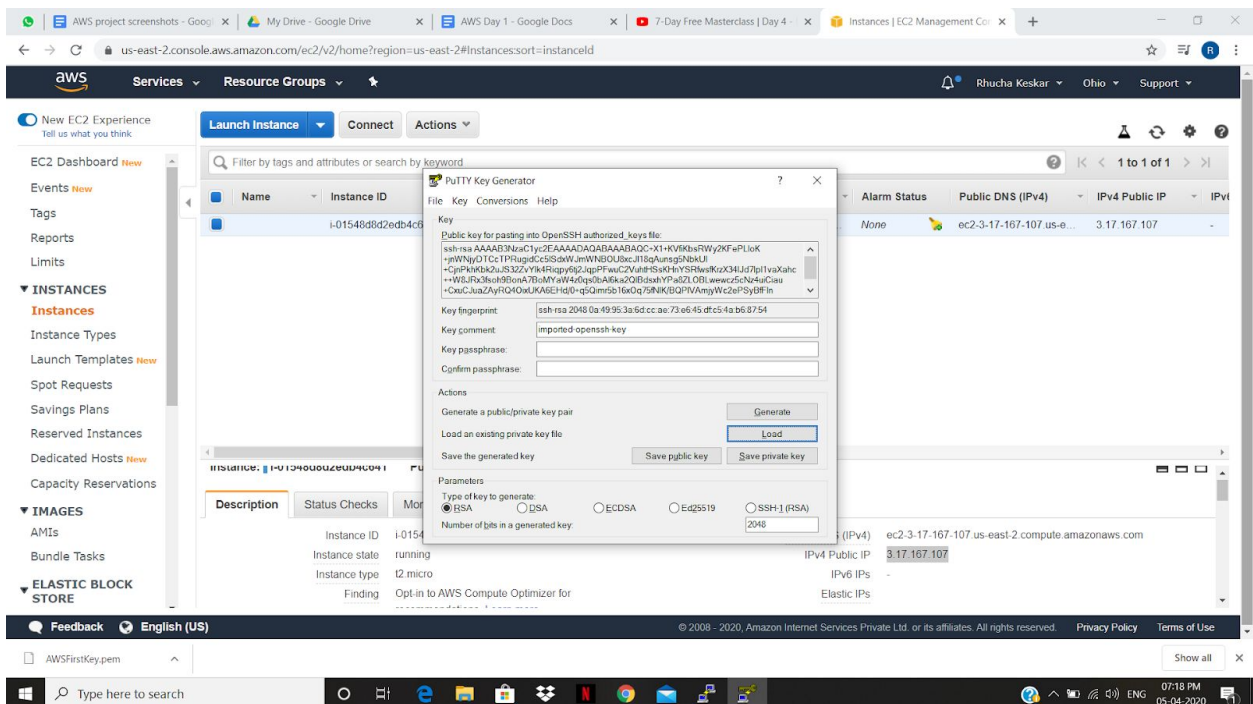
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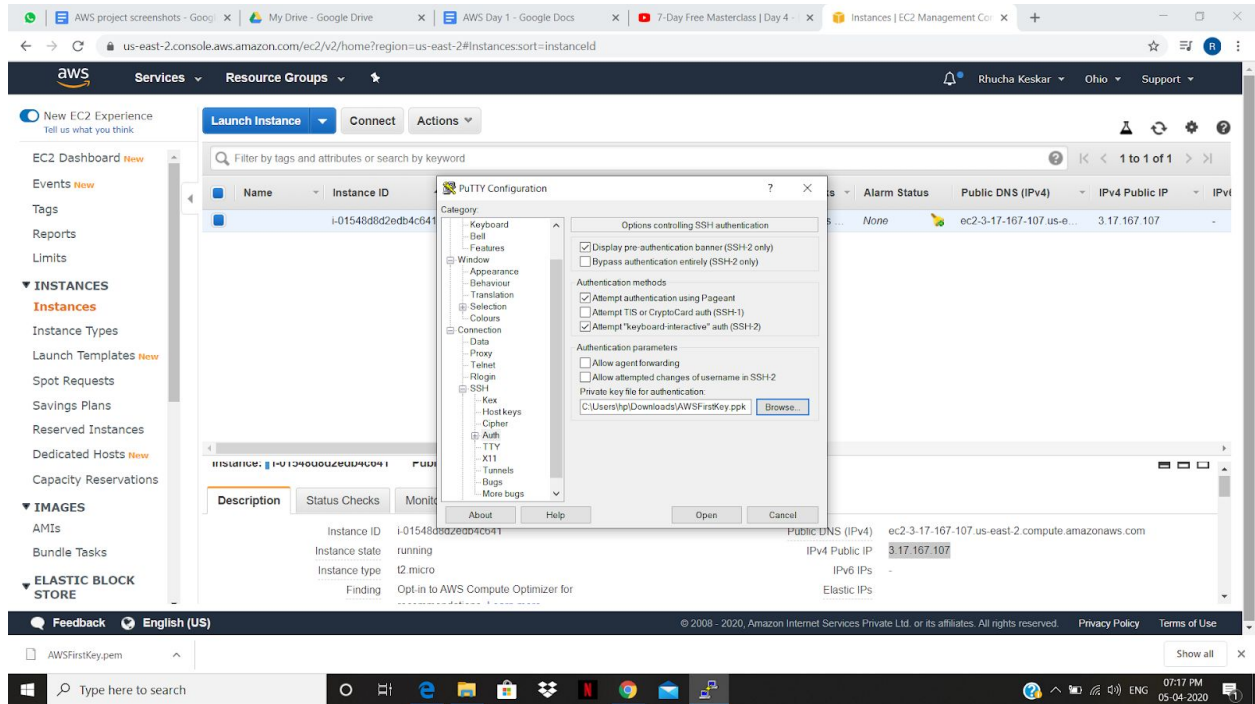
Type here to search

5. Key Pair Download

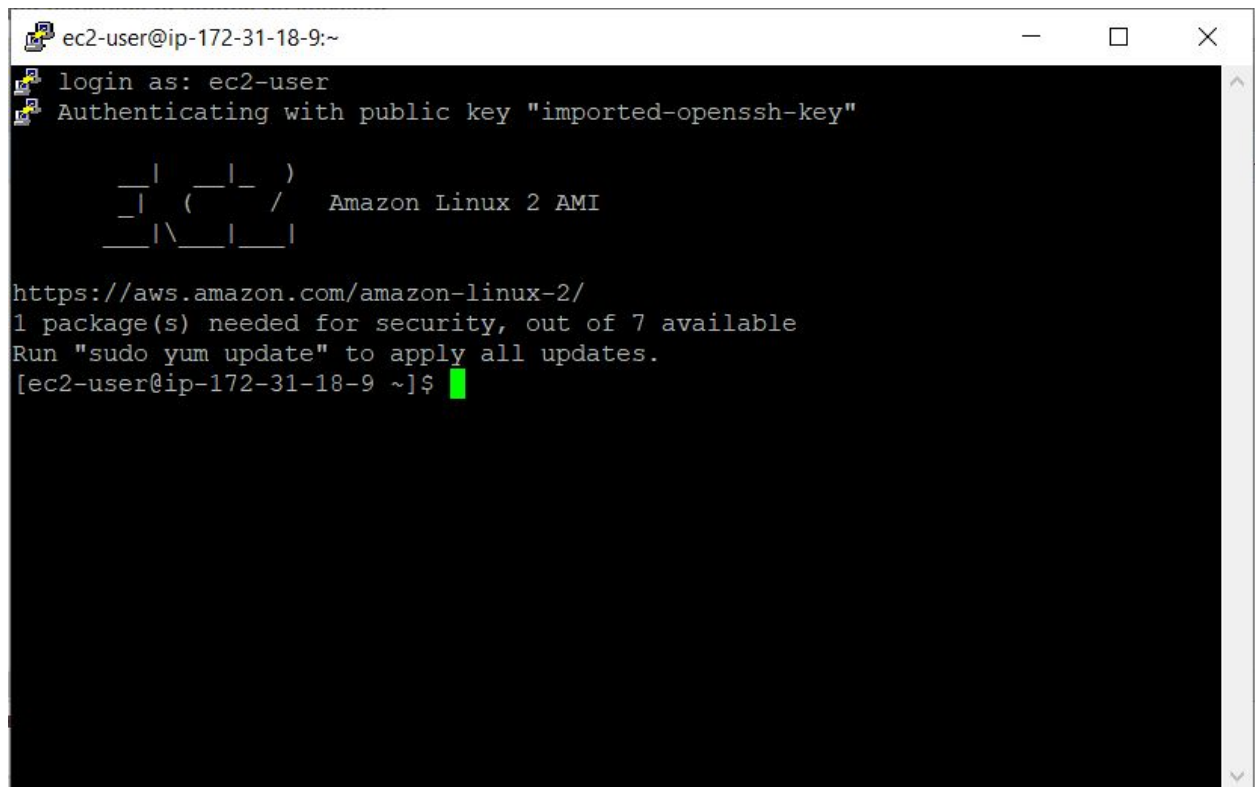


6. PuTTYgen conversion from pem to ppk



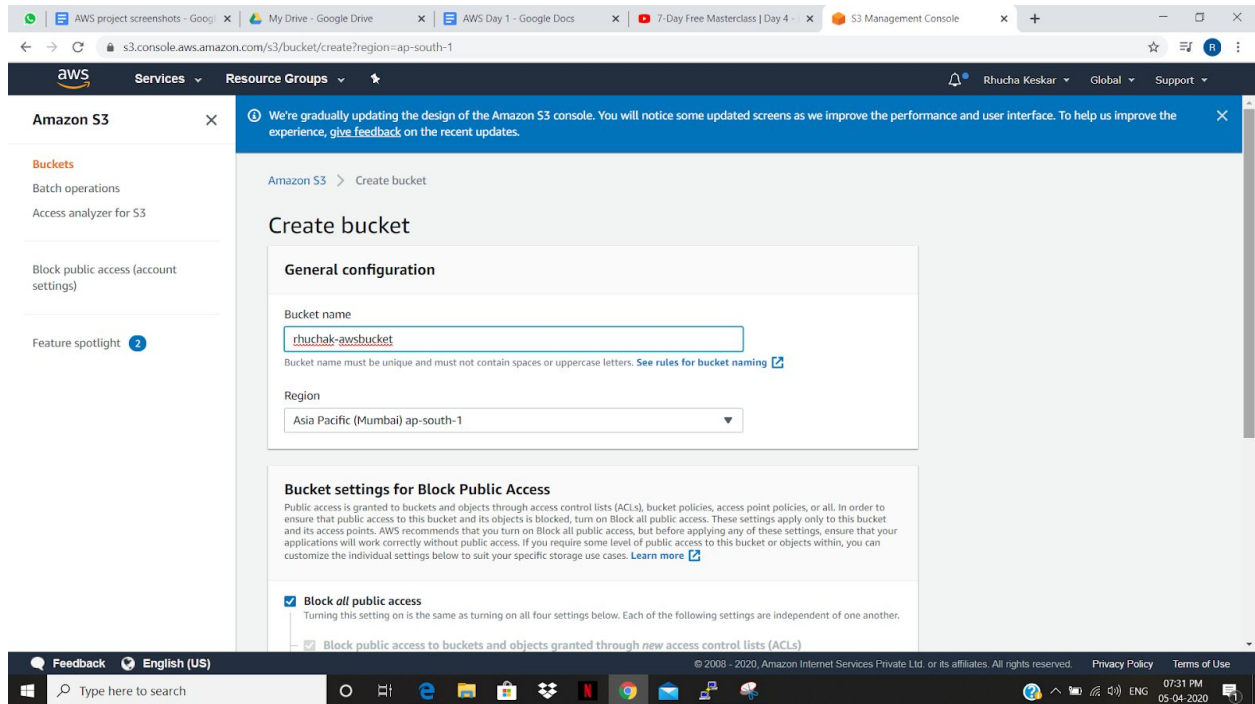


7. Logged in EC2 black screen

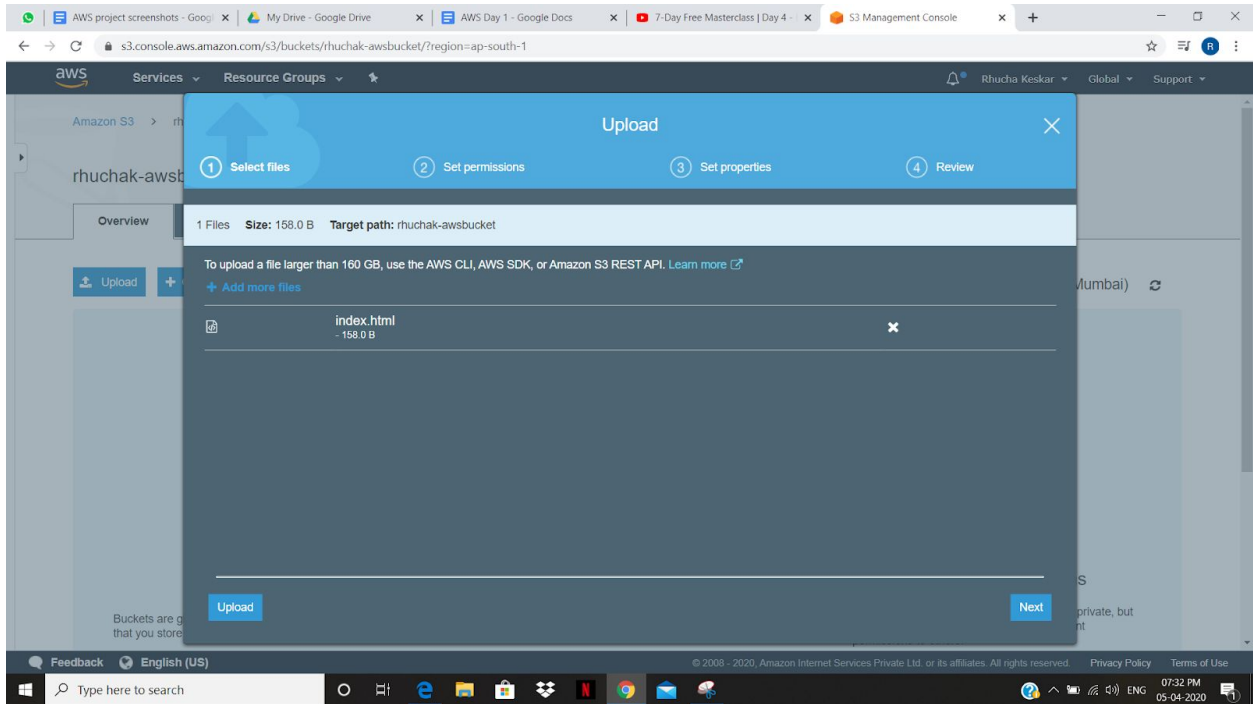


Screenshots needed for S3

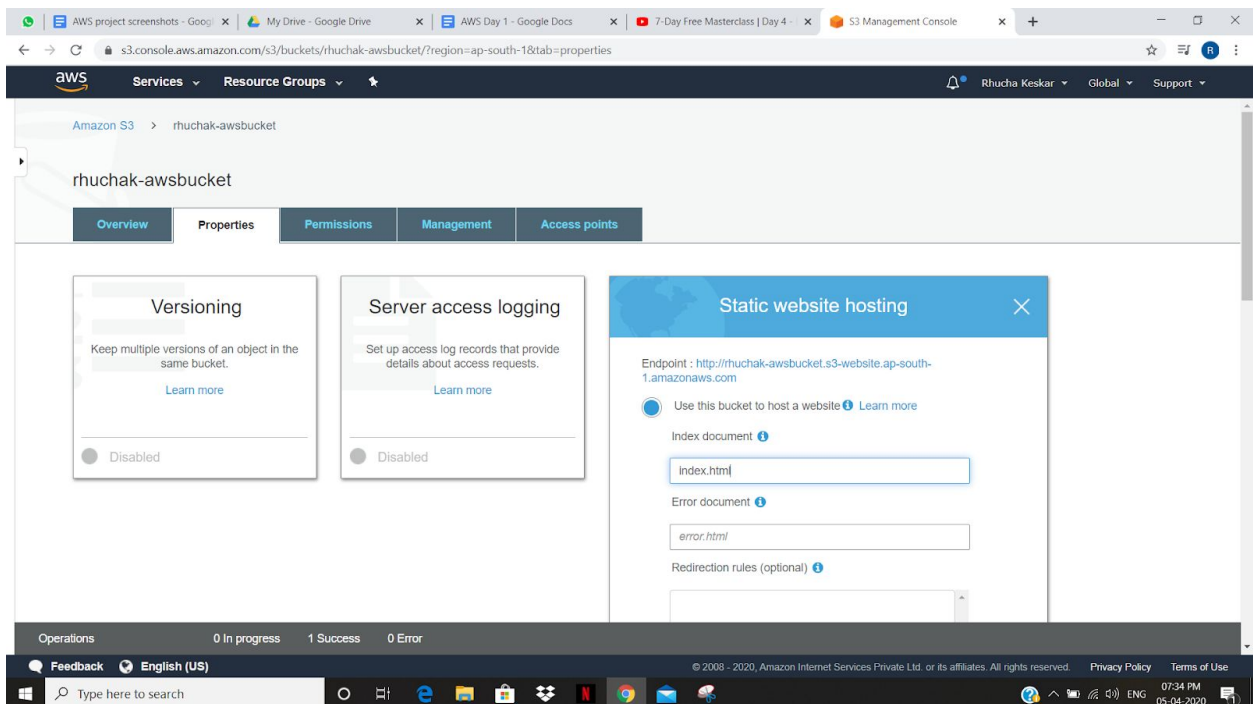
1. Creating a Bucket



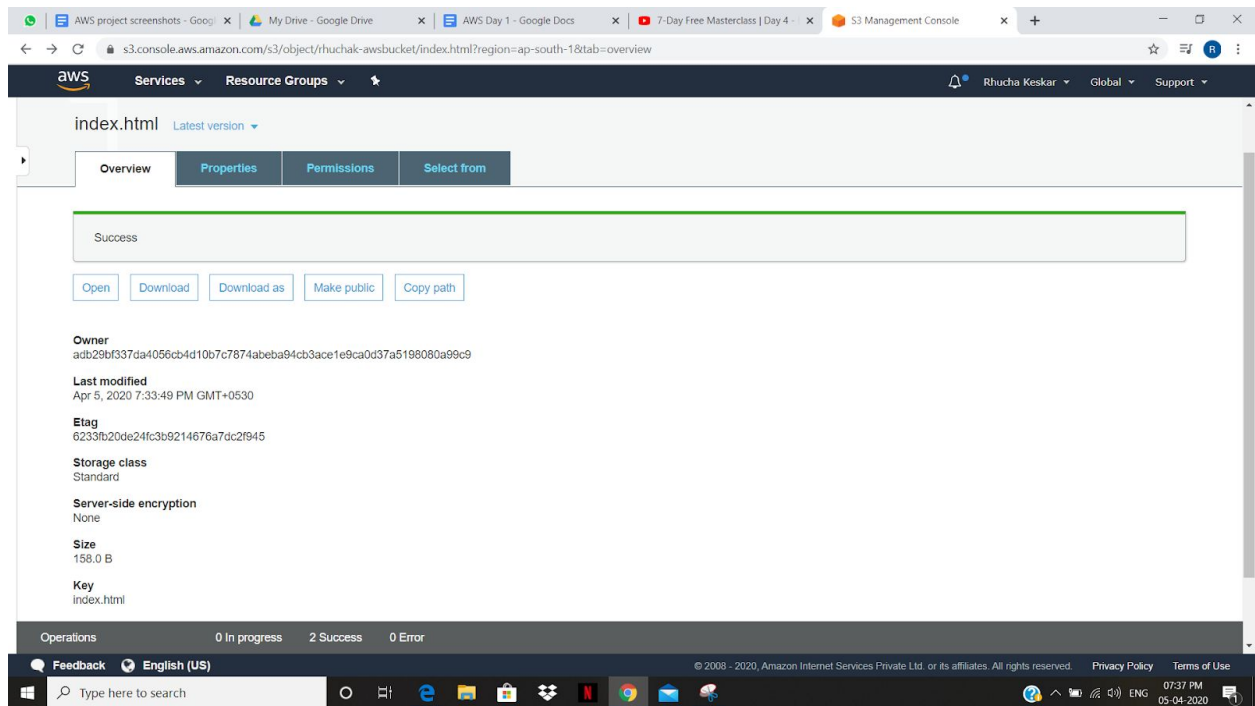
2. Uploading an Object



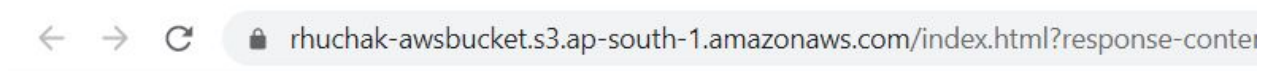
3. Enabling Static Website



4. Making the Object Public



5. Checking the S3 link on the browser



Hey I'm Rhucha!!

And this is my Bucket

Screenshots needed for Rekognition

1. Face Detect

Browser tabs: AWS project scre..., Codemitra - Goo..., AWS Day 1 - Goo..., 7-Day Free Mast..., Rekognition Con..., Security Group |..., professor money x, v1.bjyMzMwMT...

URL: ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/face-detection

Amazon Rekognition

Services Resource Groups

Feedback English (US)

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Money-Heist.jfif Professor.jpg Money-Heist.jfif Professor.jfif Money-Heist.jpg AWSFirstKey (1).pem Show all

Type here to search

Amazon Rekognition

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

Download SDKs

Developer resources

Results

looks like a face 99.9 %

appears to be male 98.5 %

age range 22 - 34 years old

not smiling 98.8 %

appears to be angry 88.4 %

wearing glasses 92.1 %

Show more

Request

Response

2. Face Compare

Browser tabs: AWS project scre..., Codemitra - Goo..., AWS Day 1 - Goo..., 7-Day Free Mast..., Rekognition Con..., Security Group |..., professor money x, v1.bjyMzMwMT...

URL: ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/face-comparison

Amazon Rekognition

Services Resource Groups

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Money-Heist.jfif Professor.jpg Money-Heist.jfif Professor.jfif Money-Heist.jpg AWSFirstKey (1).pem Show all

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Amazon Rekognition

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Face comparison

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

Reference face

Comparison faces

Choose a sample image

Choose a sample image

Done with the demo? Learn more

Results

Similarity 99.7 %

Request

Response

3. Celebrity Recognition

The screenshot shows the AWS Rekognition console interface. On the left, a sidebar lists various services, with 'Celebrity recognition' highlighted. The main area displays a photo of Daniel Radcliffe with a bounding box around his face. To the right, the 'Results' section shows a match for 'Daniel Radcliffe' with a 'Match confidence' of 100%. Below this, there are sections for 'Request' and 'Response'. The bottom of the console shows a taskbar with several open applications and a system clock indicating 08:51 PM on 05-04-2020.

4. Text in image

The screenshot shows the AWS Rekognition console interface for text detection. The main area displays a photo of Harry Potter and Hermione Granger. Below the photo, the detected text is shown: "You have nothing to fear if you have nothing to hide." The 'Results' section on the right shows the detected text in a structured format. Below the main image, there are options to 'Choose a sample image' or 'Use your own image', with an 'Upload' button and a 'Go' button. The bottom of the console shows a taskbar with several open applications and a system clock indicating 08:53 PM on 05-04-2020.

Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot

ec2-user@ip-172-31-8-179:/var/www/html/face

```
// Upload data.
$result = $s3->putObject([
    'Bucket' => $bucket,
    'Key' => $keyname,
    'SourceFile' => __DIR__ . "/" . $keyname,
    'ACL' => 'public-read-write'
]);

// 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-172-31-8-179:/var/www/html/face

```
[ec2-user@ip-172-31-8-179 face]$ sudo vim index.php
[ec2-user@ip-172-31-8-179 face]$ sudo php index.php
Image upload done... Here is the URL: https://rhuchabucket.s3.us-east-2.amazonaws.com/Money-Heist.jpg[ec2-user@ip-172-31-8-179 face]$
```

ec2-user@ip-172-31-8-179:/var/www/html/face

```
[ec2-user@ip-172-31-8-179 face]$ sudo vim index.php
[ec2-user@ip-172-31-8-179 face]$ sudo php index.php
Image upload done... Here is the URL: https://rhuchabucket.s3.us-east-2.amazonaws.com/Money-Heist.jpgTotally there a
re 4 faces[ec2-user@ip-172-31-8-179 face]$
```