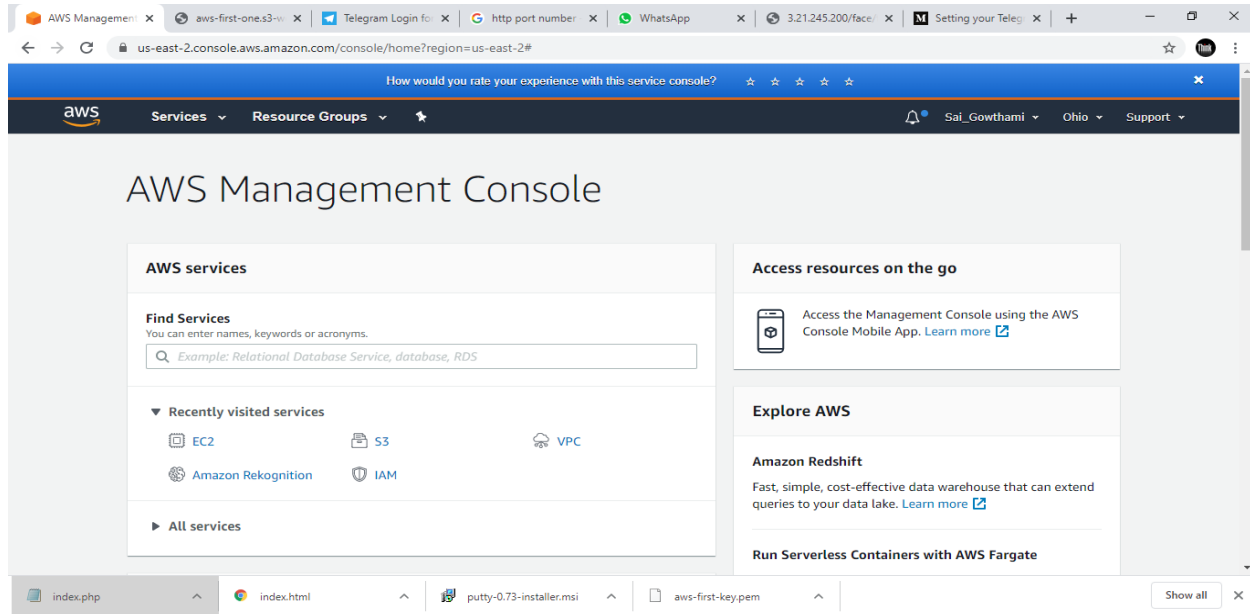
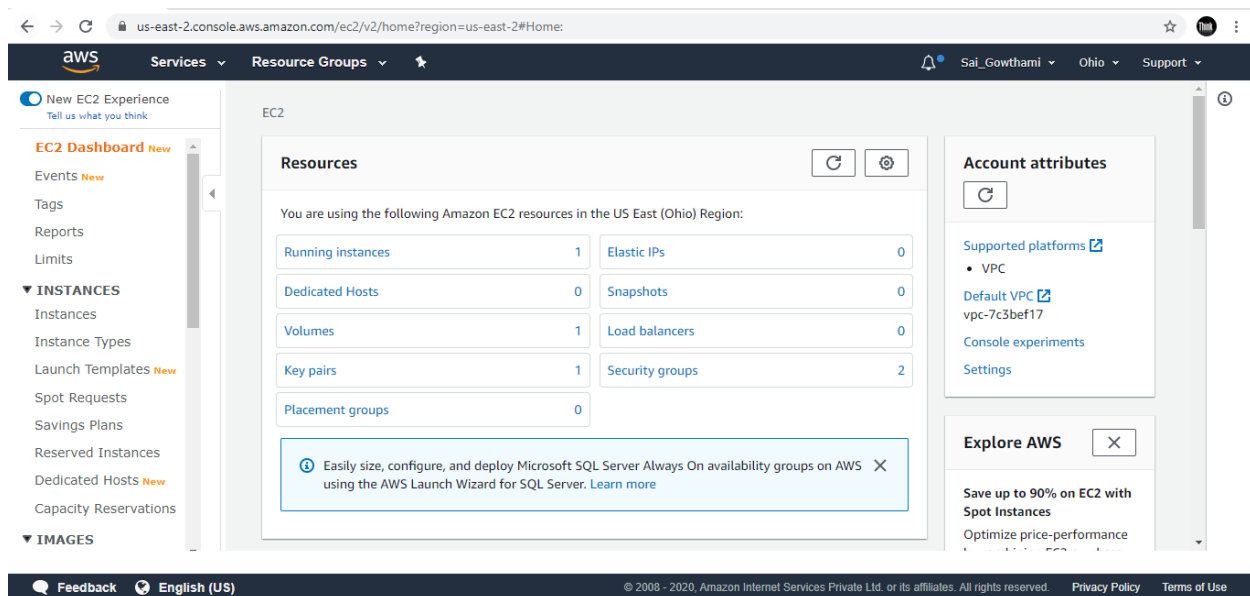


## DASHBOARD:

### AWS LOGIN SCREEN



### EC2-DASHBOARD



## S3-DASHBOARD

← → ↻ s3.console.aws.amazon.com/s3/home?region=us-east-2 ☆ ⓘ

**aws** Services ▾ Resource Groups ▾ ☆

🔔 Sai\_Gowthami ▾ Global ▾ Support ▾

**Amazon S3** ×

**Buckets**

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

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)** [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

🔍 Find bucket by name

< 1 > ⚙️

	Name ▾	Region	Access	Bucket created ▾
<input type="radio"/>	aws-first-one	US East (Ohio) us-east-2	Objects can be public	2020-04-04T14:50:39.000Z

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## REKOGNITION DASHBOARD

← → ↻ us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/? ☆ ⓘ

**aws** Services ▾ Resource Groups ▾ ☆

🔔 Sai\_Gowthami ▾ 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


**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**



**Continuously Learning**

Amazon Rekognition is designed to use



**Integrated with AWS Services**

Amazon Rekognition is designed to work

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## EC2

### CHOOSING AMI

← → ↺

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

☆ ⓘ

aws

Services ▾

Resource Groups ▾

★

🔔

Sai\_Gowthami ▾

Ohio ▾

Support ▾

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Cancel and Exit

Step 1: Choose an Amazon Machine Image (AMI)

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.

🔍 Search for an AMI by entering a search term e.g. "Windows"

×

Quick Start

1 to 40 of 40 AMIs

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ

Amazon Linux

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)

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

Free tier eligible

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8

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.

64-bit (x86)

Select

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

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### CHOOSING INSTANCE:

← → ↺

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

☆ ⓘ

aws

Services ▾

Resource Groups ▾

★

🔔

Sai\_Gowthami ▾

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 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

Cancel

Previous

Review and Launch

Next: Configure Instance Details

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

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← → ↺

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

☆ ⓘ

aws

Services ▾

Resource Groups ▾

★

🔔

Sai\_Gowthami ▾

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	<input type="text" value="8"/>	<div>General Purpose SSD (gp2)</div>	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypt <div>▾</div>

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

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

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← → ↻

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws

Services ▾ Resource Groups ▾ ⌵

🔔 Sai\_Gowthami ▾ Ohio ▾ Support ▾

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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.

CancelPreviousReview and Launch

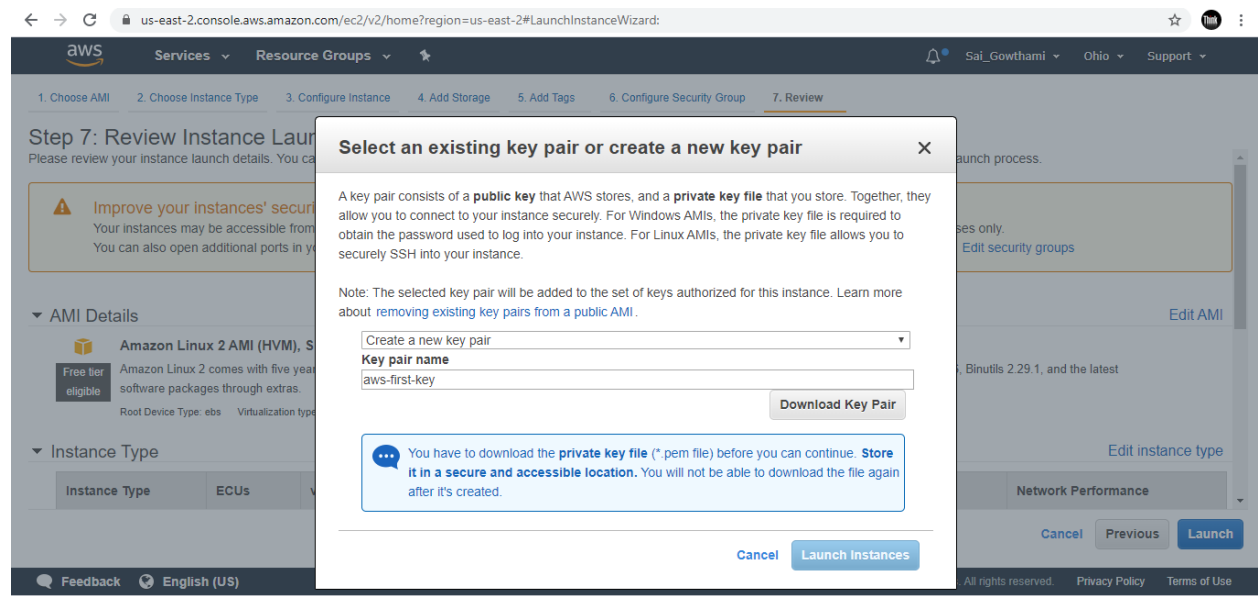
Feedback English (US)

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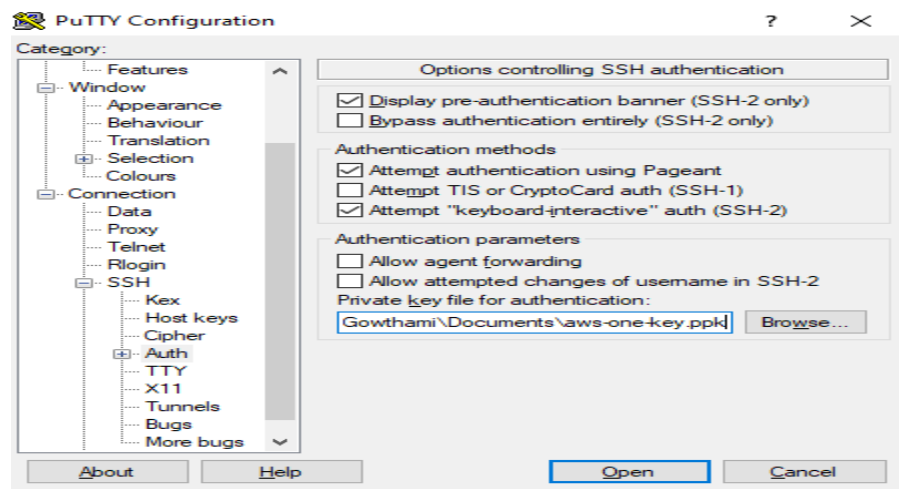
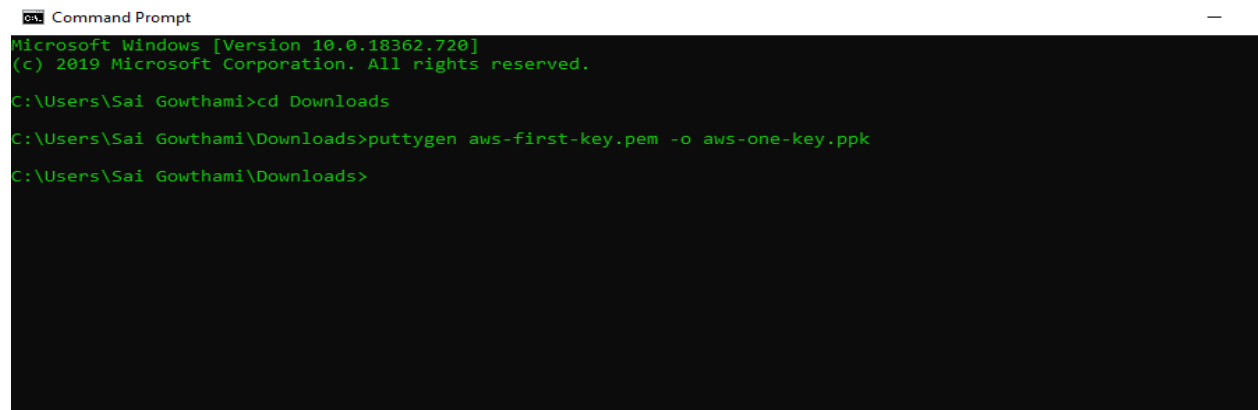
☰ 🔍 Type here to search 📅 🗂 📧 📁 📌 🛒 🏠 🌐 🔄 📶 📡 📱 🖨 🗑

17:49 04-04-2020 ENG

## KEY PAIR DOWNLOAD



## PUTTYGEN CONVERSION pem to ppk



## LOGGED IN EC2 BLACK SCREEN

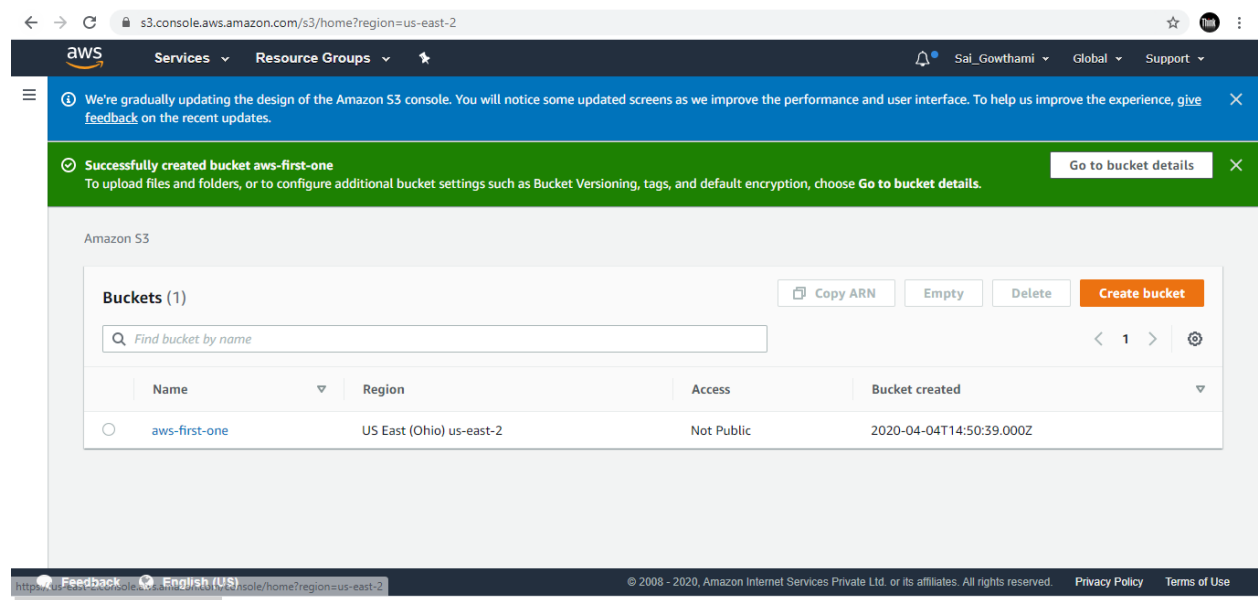
```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

  _ | _ | _ )
  _ | ( _ | /   Amazon Linux 2 AMI
  __| \__|__|

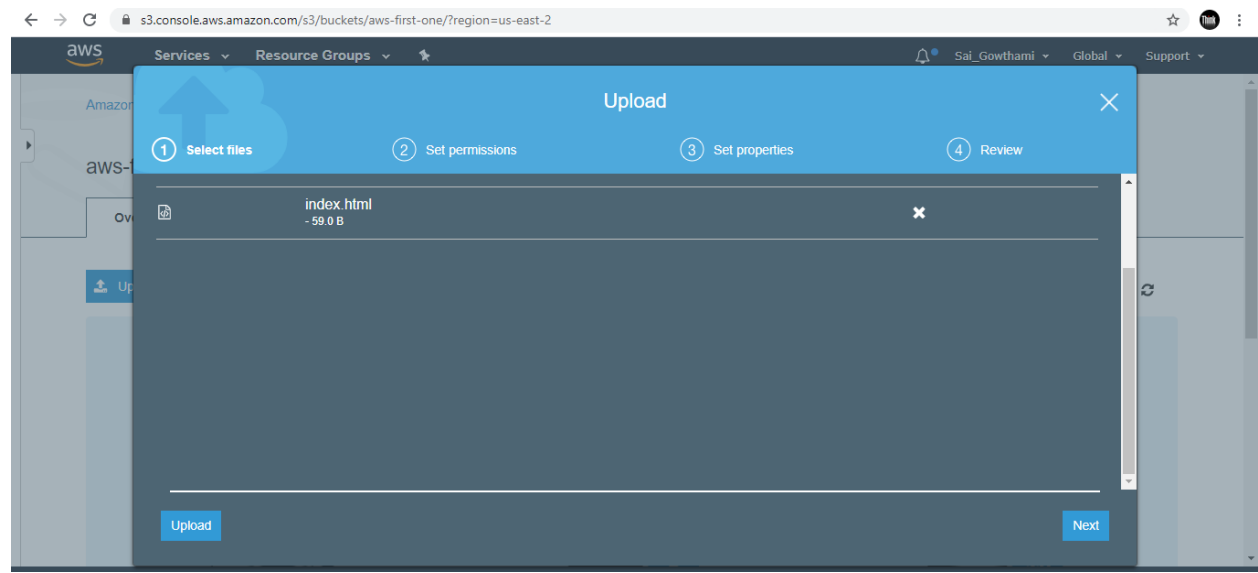
https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-16-137 ~]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                               | 2.4 kB      00:00
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.41-1.amzn2.0.1 will be installed
--> Processing Dependency: httpd-tools = 2.4.41-1.amzn2.0.1 for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: httpd filesystem = 2.4.41-1.amzn2.0.1 for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.41-1.amzn2.0.1.x86_64
```

## S3

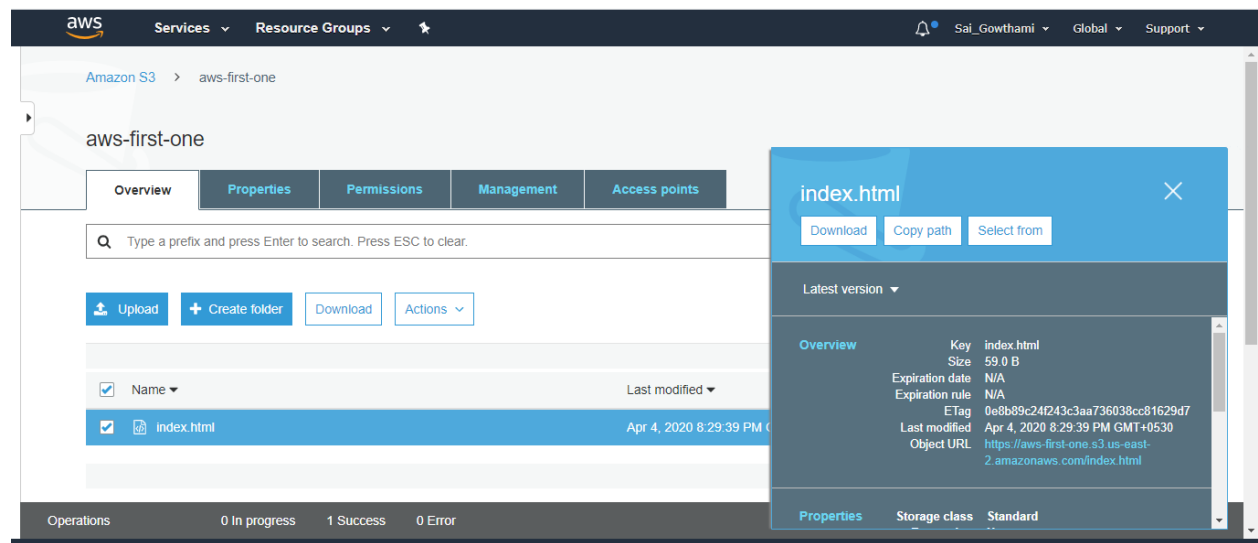
### CREATING A BUCKET



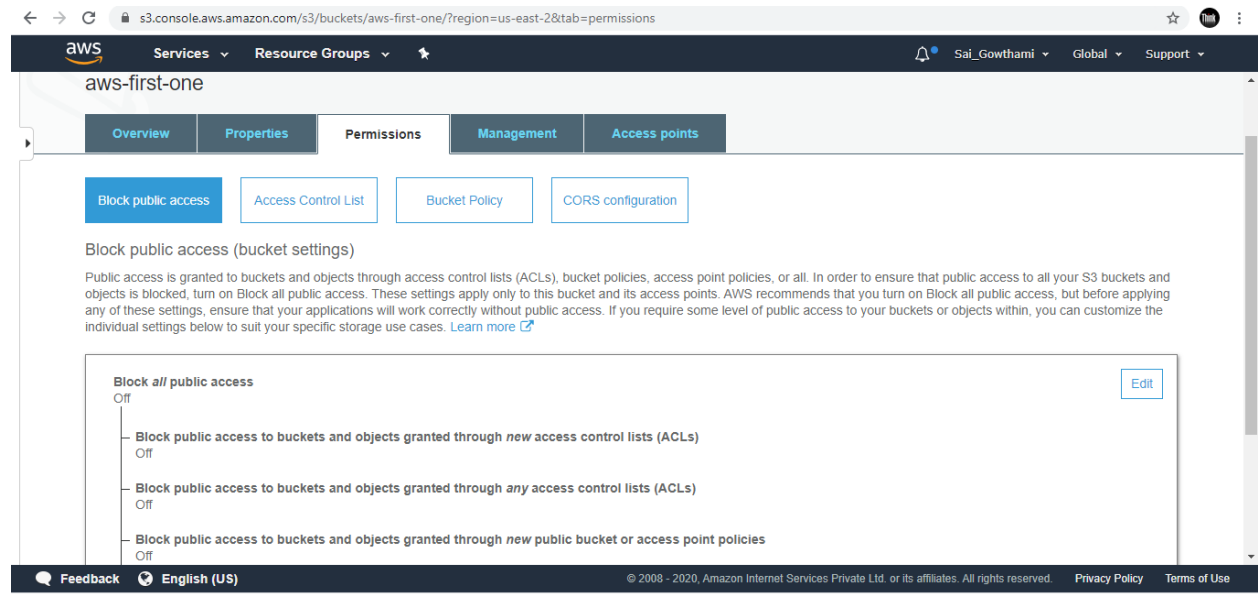
## UPLOADING AN OBJECT



## ENABLING STATIC WEBSITE

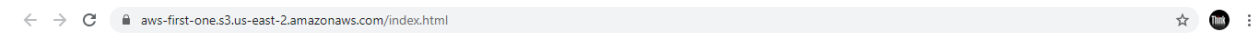


## MAKING OBJECT PUBLIC



The screenshot shows the AWS S3 console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile for 'Sai\_Gowthami'. The main header displays 'aws-first-one'. Below this, there are tabs for 'Overview', 'Properties', 'Permissions', 'Management', and 'Access points'. The 'Permissions' tab is active, showing a section for 'Block public access' with buttons for 'Block public access', 'Access Control List', 'Bucket Policy', and 'CORS configuration'. The 'Block public access' section is expanded, showing a toggle for 'Block all public access' set to 'Off'. Below this, there are three sub-sections, each with a toggle set to 'Off': 'Block public access to buckets and objects granted through new access control lists (ACLs)', 'Block public access to buckets and objects granted through any access control lists (ACLs)', and 'Block public access to buckets and objects granted through new public bucket or access point policies'. An 'Edit' button is visible in the top right corner of the settings panel. The footer contains a 'Feedback' link, 'English (US)' language selection, and copyright information for Amazon Internet Services Private Ltd.

## CHECKING S3 LINK IN BROWSER



The screenshot shows a web browser's address bar with the URL 'aws-first-one.s3.us-east-2.amazonaws.com/index.html'. The browser's user interface includes back, forward, and refresh buttons, as well as star and menu icons. The page content below the address bar is not visible.

**This is Gowthami**

---



## REKOGNITION

### FACE DETECT

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

aws Services Resource Groups

Sai\_Gowthami Ohio Support

Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

**Facial analysis**

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

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

Choose a sample image

Use your own image.

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

Upload or drag and drop

Use image URL Go

Feedback English (US)

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### FACE COMPARE

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

aws Services Resource Groups

Sai\_Gowthami Ohio Support

Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

**Face comparison**

Text in image

Video Demos

Video analysis

Metrics

Reference face

Comparison faces

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

Results

Similarity 99.8 %

Choose a sample image

Choose a sample image

Feedback English (US)

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## CELEBRITY RECOGNITION

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

aws Services Resource Groups

Sai\_Gowthami Ohio Support

Learn more

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)

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Results

Jeff Bezos [Learn More](#)

Match confidence 100 %

Request

Response

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 or drag and drop

Use image URL Go

## TEXT IN IMAGE

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

aws Services Resource Groups

Sai\_Gowthami Ohio Support

Learn more

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)

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Results

US English only

IT'S MONDAY but keep Smiling

Request

Response

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 or drag and drop

Use image URL Go

## EC2 & S3

### INSTALLATION PHP

```
ec2-user@ip-172-31-16-137:/var/www/html/face
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sun Apr  5 05:33:57 2020 from 49.204.53.160

 _ _ | _ _ | _ )
 _ | ( _ _ /   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-172-31-16-137 ~]$ sudo php faces.php
Could not open input file: faces.php
[ec2-user@ip-172-31-16-137 ~]$ Install php - sudo yum install php
-bash: Install: command not found
[ec2-user@ip-172-31-16-137 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-16-137 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...
```

### INDEX.PHP CODE

```
ec2-user@ip-172-31-16-137:~
<?php
error_reporting(0);
require_once(__DIR__ . '/vendor/autoload.php');
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-first-one';
$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;
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}
```

## INSTALLATION AWS-SDK

```
ec2-user@ip-172-31-16-137:/var/www/html/face
/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-05 07:39:12-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c78
94b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.248.84, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)[151.101.248.84]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'

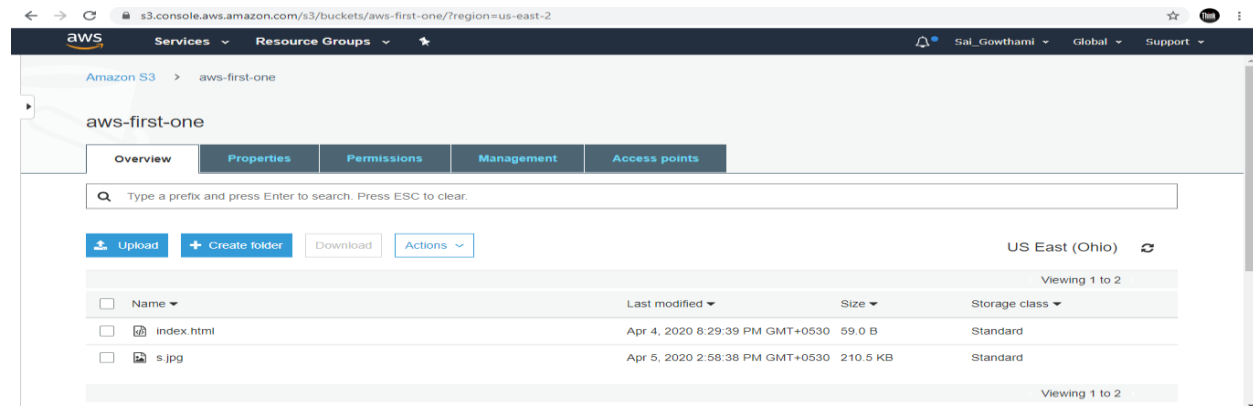
100%[=====>] 215,551 --.-K/s in 0.04s

2020-04-05 07:39:12 (4.81 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [
215551/215551]

[ec2-user@ip-172-31-16-137 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s
ample.jpg
[ec2-user@ip-172-31-16-137 face]$ ls
composer.json face.php indei.php indexx.php s.jpg vendor
composer.lock faces.php index.php sample.jpg url?sa=i
[ec2-user@ip-172-31-16-137 face]$ sudo faces.php
sudo: faces.php: command not found
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
Image upload done... Here is the URL: https://aws-first-one.s3.us-east-2.amazona
ws.com/s.jpg[ec2-user@ip-172-31-16-137 face]$
```

## UPLOAD SUCCES SHEET

```
sudo: faces.php: command not found
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
Image upload done... Here is the URL: https://aws-first-one.s3.us-east-2.amazona
ws.com/s.jpg[ec2-user@ip-172-31-16-137 face]$
```



## EC2 & REKOGNITION

### FACE DETECT SUCCESS SCREENSHOT

```
ec2-user@ip-172-31-16-137:/var/www/html/face
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sun Apr  5 09:00:07 2020 from 49.204.53.160

 _ _ | _ _ | _ _ )
 _ | ( _ _ | /
 _ | \ _ _ | _ _ |

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-172-31-16-137 ~]$ cd /var/www/html
[ec2-user@ip-172-31-16-137 html]$ cd face
[ec2-user@ip-172-31-16-137 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-16-137 face]$ ls
composer.json  face.php  indei.php  indexx.php  s.jpg  vendor
composer.lock  faces.php  index.php  sample.jpg  url?sa=i
[ec2-user@ip-172-31-16-137 face]$ sudo vim faces.php
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
[ec2-user@ip-172-31-16-137 face]$ sudo vim faces.php
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
You must specify a non-null value for the Body or SourceFile parameters.
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
You must specify a non-null value for the Body or SourceFile parameters.
[ec2-user@ip-172-31-16-137 face]$ sudo vim faces.php
[ec2-user@ip-172-31-16-137 face]$ sudo php faces.php
Image upload done... Here is the URL: https://aws-first-one.s3.us-east-2.amazonaws.com/
[ec2-user@ip-172-31-16-137 face]$
```