

Activities Firefox Web Browser Tue 15:03 S3 Management Console - Mozilla Firefox

S3 Management Console x Telegram Web x +

https://s3.console.aws.amazon.com/s3/home?region=us-east-2

aws Services Resource Groups Ajinkya Gaikwad Global Support

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

Amazon S3

Buckets (1) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Find bucket by name

	Name	Region	Access	Bucket created
<input type="radio"/>	aws-facerecognition-bucket	US East (Ohio) us-east-2		2020-03-31T08:33:52.000Z

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Activities Firefox Web Browser Tue 15:03 Rekognition Console - Mozilla Firefox

Rekognition Console x Telegram Web x +

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

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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

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 deep learning technology to

Integrated with AWS Services

Amazon Rekognition is designed to

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For EC2:

Activities Firefox Web Browser Tue 13:29

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Launch instance wizard | x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

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

Select

☒ 64-bit (x86)
☐ 64-bit (Arm)

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.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

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Activities Firefox Web Browser Tue 13:29

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Launch instance wizard | x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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

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Activities Firefox Web Browser Tue 13:30

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Launch instance wizard | x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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 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

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Activities Firefox Web Browser Tue 13:30

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Launch instance wizard | x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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 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: launch-wizard-6

Description: launch-wizard-6 created 2020-03-31T13:30:16.331+05:30

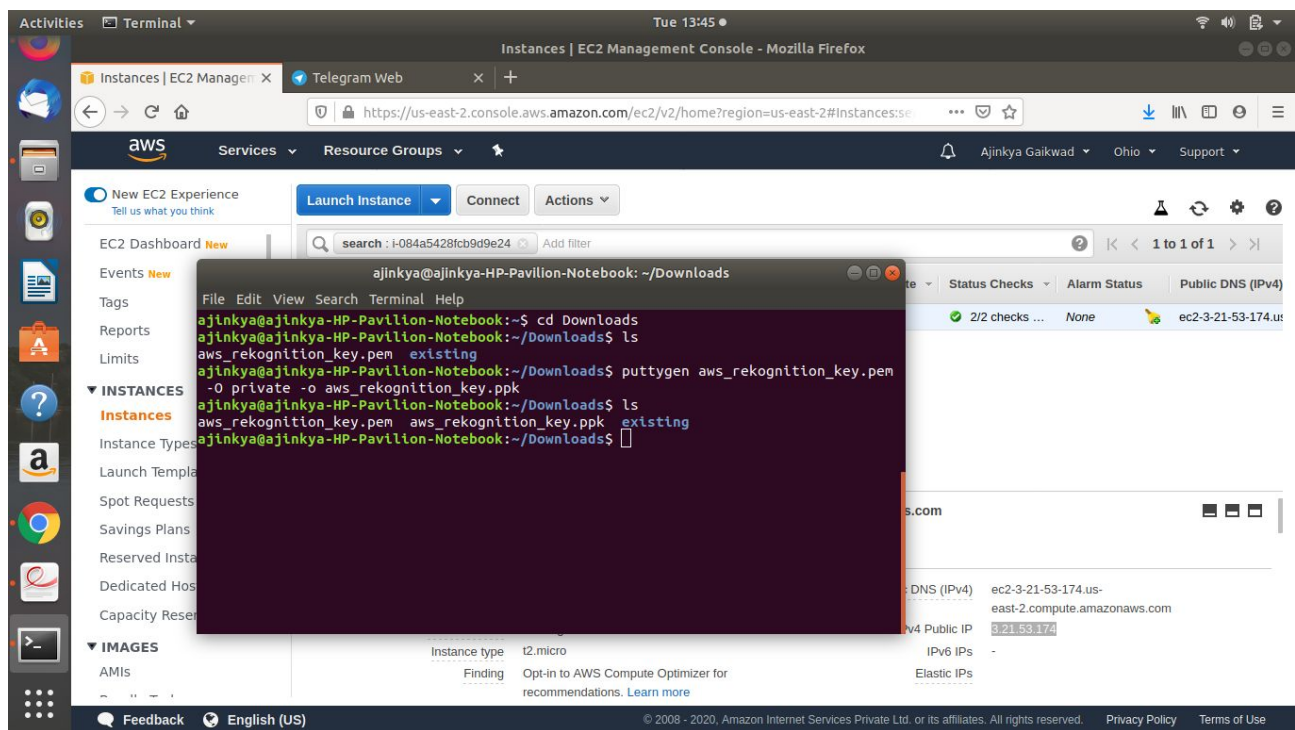
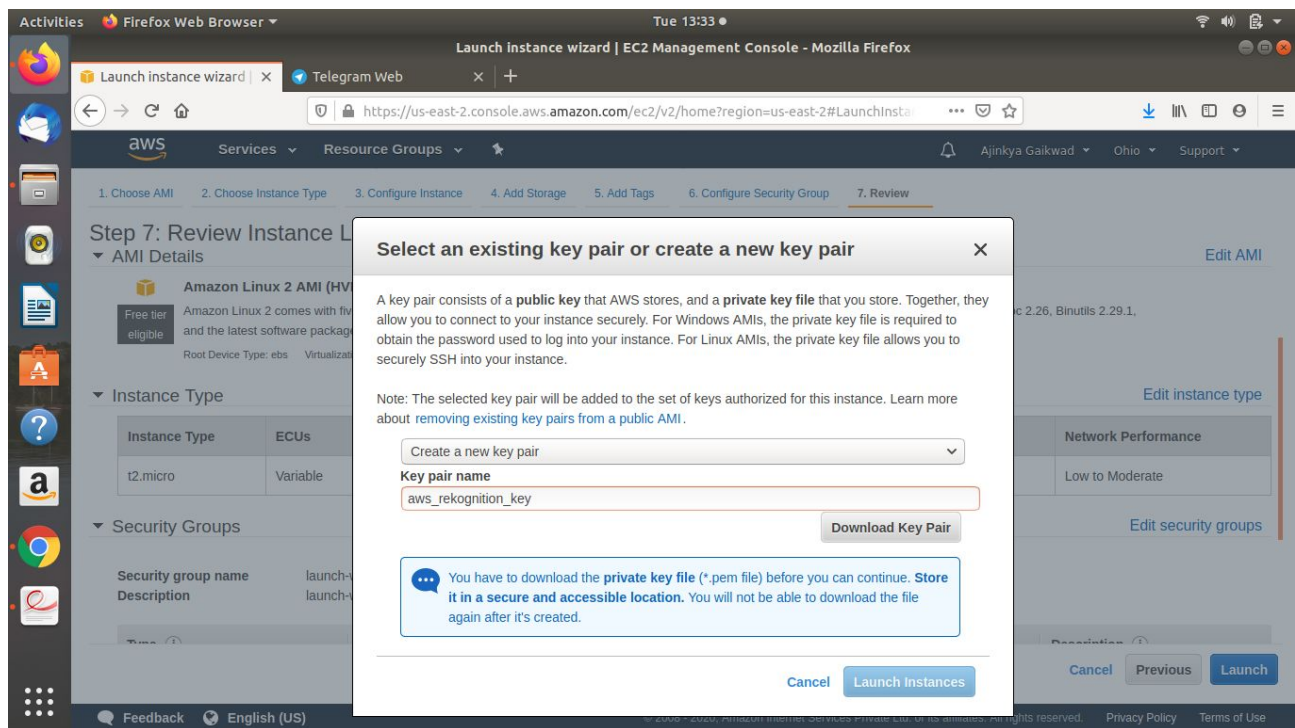
Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

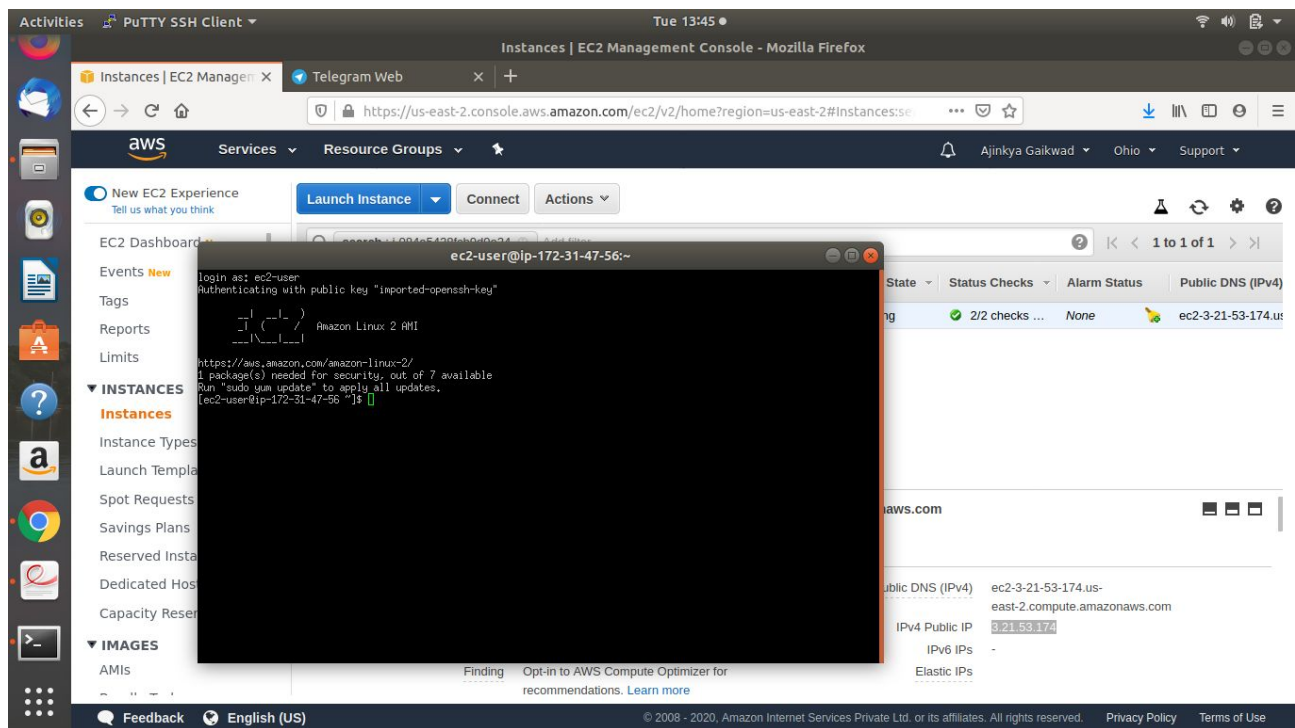
Add Rule

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.

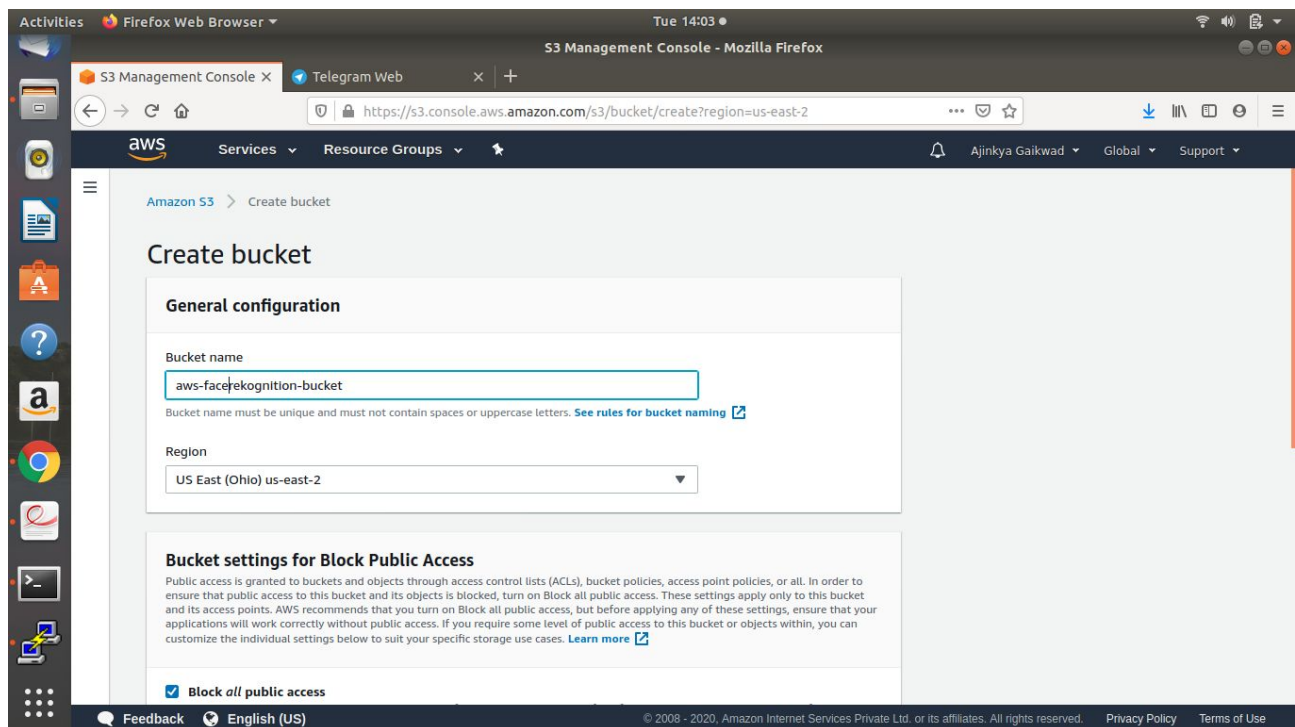
Cancel Previous Review and Launch

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For S3:



Activities Firefox Web Browser Tue 14:06 S3 Management Console - Mozilla Firefox

S3 Management Console X Telegram Web x +

https://s3.console.aws.amazon.com/s3/buckets/aws-facerecognition-bucket/?region=us

aws Services Resource Groups Ajinkya Gaikwad Global Support

Amazon S3 > aws-facerecognition-bucket

aws-facerecognition-bucket

Overview Properties Permissions Management Access points

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

Upload + Create folder Download Actions

US East (Ohio)

Viewing 1 to 1

<input type="checkbox"/>	Name	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	Mar 31, 2020 2:06:25 PM GMT+0530	75.0 B	Standard

Upload 100% Successful

View details

Operations 0 In progress 1 Success 0 Error

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Activities Firefox Web Browser Tue 14:07 S3 Management Console - Mozilla Firefox

S3 Management Console X Telegram Web x +

https://s3.console.aws.amazon.com/s3/buckets/aws-facerecognition-bucket/?region=us

aws Services Resource Groups Ajinkya Gaikwad Global Support

aws-facerecognition-bucket

Overview Properties Permissions Management Access points

Versioning

Keep multiple versions of an object in the same bucket.

Learn more

Disabled

Server access logging

Set up access log records that provide details about access requests.

Learn more

Disabled

Static website hosting

Host a static website, which does not require server-side technologies.

Learn more

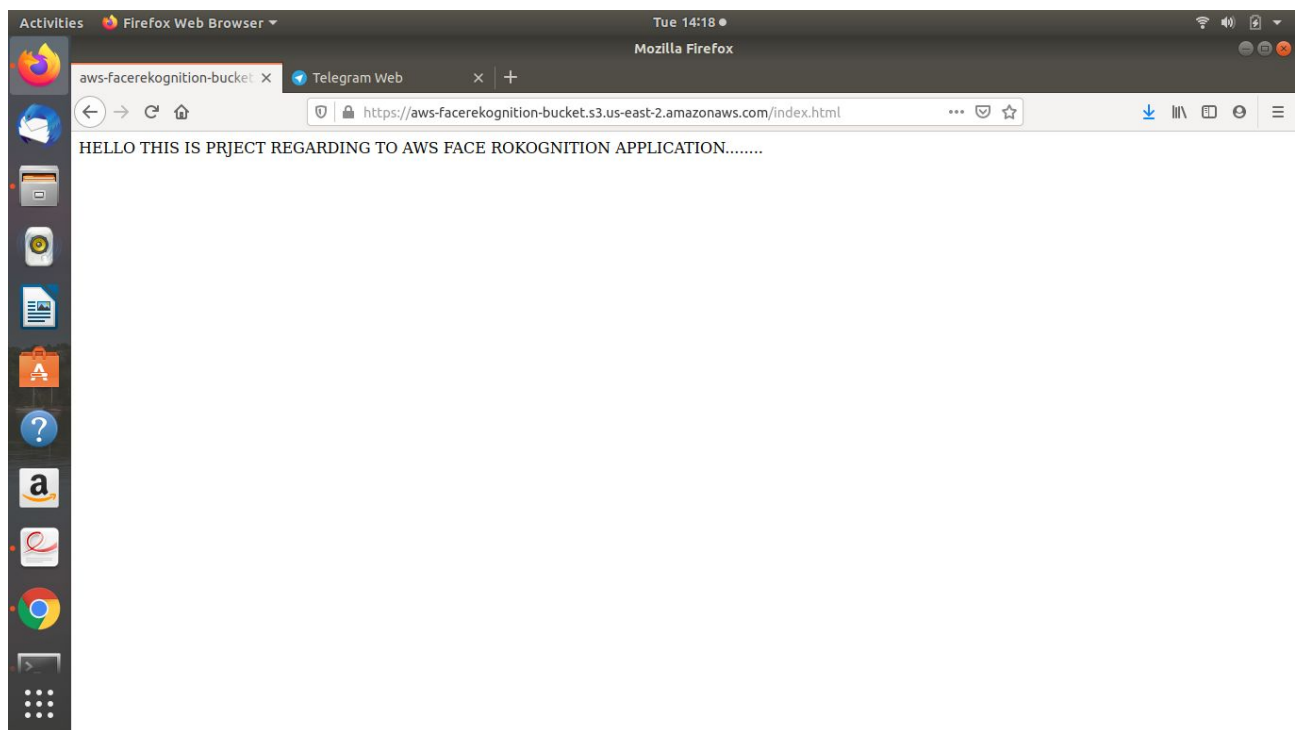
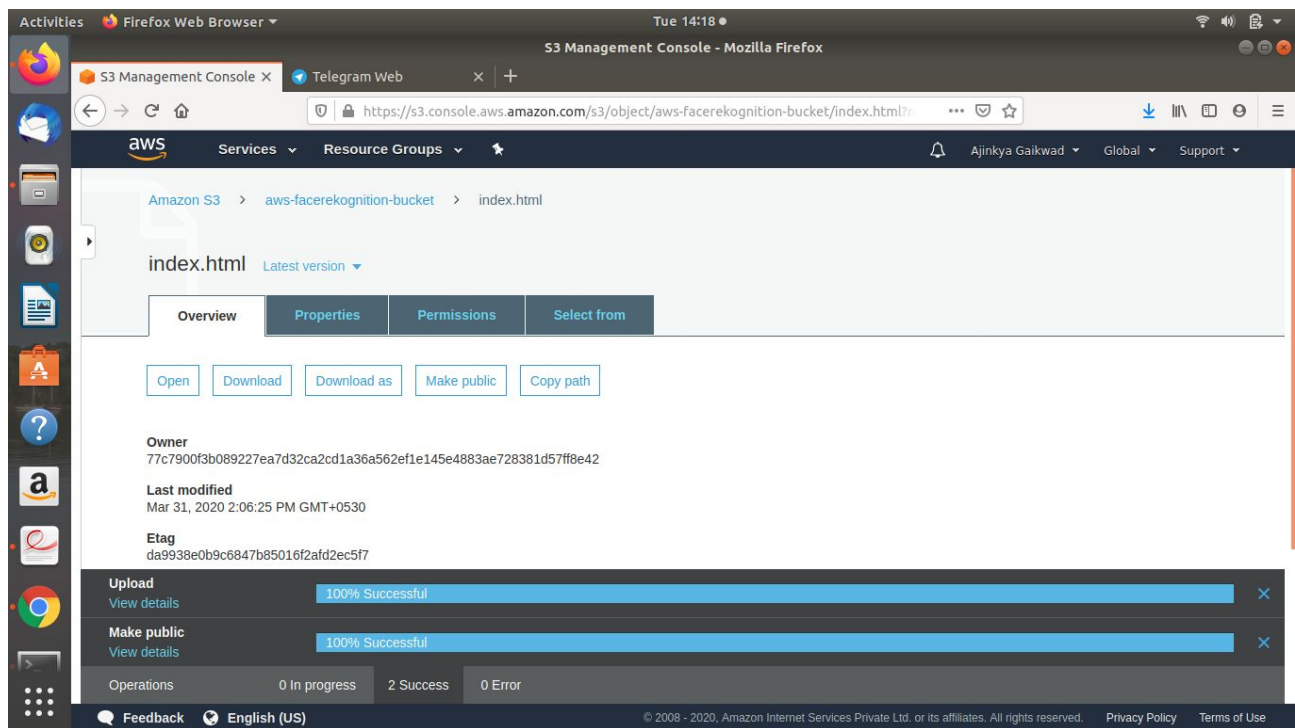
Bucket hosting

Object-level logging

Default encryption

Operations 0 In progress 1 Success 0 Error

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Rekognition:

Activities Firefox Web Browser Tue 14:26

Rekognition Console - Mozilla Firefox

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

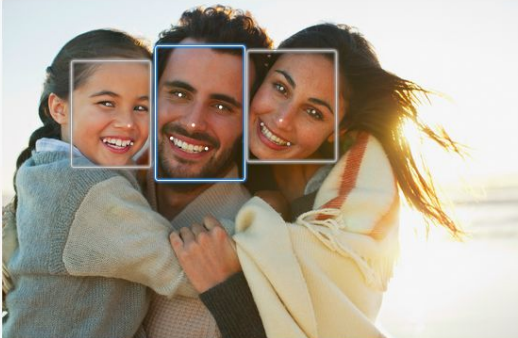
aws Services Resource Groups Ajinkya Gaikwad Ohio Support

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
 - Metrics

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.

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

▼ Results

looks like a face	99.9 %
appears to be male	99.4 %
age range	22 - 34 years old
smiling	99.9 %
appears to be happy	99.7 %

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Activities Firefox Web Browser Tue 14:26

Rekognition Console - Mozilla Firefox

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

aws Services Resource Groups Ajinkya Gaikwad Ohio Support

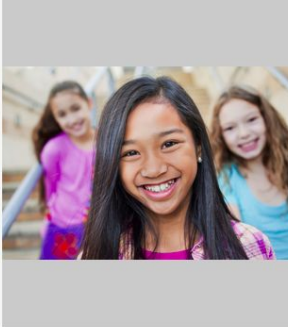
Amazon Rekognition

- 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
 - Metrics


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 99.9 %		
	≠	

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Activities Firefox Web Browser Tue 14:27 Rekognition Console - Mozilla Firefox

Rekognition Console x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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

Metrics

Feedback English (US)

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

▼ Results

 **Andy Jassy**

Match confidence 100 %



▼ Request

```
{
  "Image": {
    "S3Object": {
      "Bucket": "console-sample-images-cmh",
      "Name": "andy_portrait.jpg"
    }
  }
}
```

► 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

[Go](#)

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Activities Firefox Web Browser Tue 14:28 Rekognition Console - Mozilla Firefox

Rekognition Console x Telegram Web x +

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

aws Services Resource Groups Ajinkya Gaikwad 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

Metrics

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

▼ Results US English only

IT'S
MONDAY
but keep
Smiling



▼ Request

```
{
  "Image": {
    "S3Object": {
      "Bucket": "console-sample-images-cmh",
      "Name": "coffee_monday.jpg"
    }
  }
}
```

► 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

[Go](#)

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EC2 & S3:

Activities | PuTTY SSH Client | Tue 15:16 •

Instances | EC2 Management Console - Mozilla Firefox

Instances | EC2 Management Console - Mozilla Firefox

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

aws Services Resource Groups

Ajinkya Gaikwad Ohio Support

New EC2 Experience Tell us what you think

EC2 Dashboard

Events New

Tags

Reports

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INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

IMAGES

AMIs

Feedback English (US)

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ec2-user@ip-172-31-47-56:~\$ sudo php -d memory_limit=1 "/composer.phar require aws/aws-sdk-php

Using version 2.0 for aws/aws-sdk-php

/composer.json has been created

Updating dependencies (including require-dev)

Package operations: 3 installs, 0 updates, 0 removals

- Installing symfony/event-dispatcher (v2.0.52): Downloading (100%)

- 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-172-31-47-56:~\$

Status Checks Alarm Status Public DNS (IPv4)

2/2 checks ... None ec2-3-21-53-174.us-east-2.compute.amazonaws.com

Public IP 3.21.53.174

IPv6 IPs -

Elastic IPs -

Activities | PuTTY SSH Client | Tue 15:11 •

Instances | EC2 Management Console - Mozilla Firefox

Instances | EC2 Management Console - Mozilla Firefox

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

aws Services Resource Groups

Ajinkya Gaikwad Ohio Support

New EC2 Experience Tell us what you think

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ec2-user@ip-172-31-47-56:~\$

Is this ok [y/d/N]: y

Downloading packages:

(1/4): libzip0-0.10.1-9.amzn2.0.5.x86_64.rpm 1 30 kB 00:00

(2/4): php-5.4.16-46.amzn2.0.2.x86_64.rpm 1 1.4 MB 00:00

(3/4): php-common-5.4.16-46.amzn2.0.2.x86_64.rpm 1 553 kB 00:00

(4/4): php-cli-5.4.16-46.amzn2.0.2.x86_64.rpm 1 2.8 MB 00:00

Total 22 MB/s | 4.7 MB 00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : libzip0-0.10.1-9.amzn2.0.5.x86_64 1/4

Installing : php-common-5.4.16-46.amzn2.0.2.x86_64 2/4

Installing : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4

Installing : php-5.4.16-46.amzn2.0.2.x86_64 4/4

Verifying : php-5.4.16-46.amzn2.0.2.x86_64 1/4

Verifying : libzip0-0.10.1-9.amzn2.0.5.x86_64 2/4

Verifying : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4

Verifying : php-common-5.4.16-46.amzn2.0.2.x86_64 4/4

Installed:

php.x86_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:

libzip0-0.10.1-9.amzn2.0.5

php-cli-5.4.16-46.amzn2.0.2

php-common.x86_64 0:5.4.16-46.amzn2.0.2

Complete!

ec2-user@ip-172-31-47-56:~\$ curl -s 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-172-31-47-56:~\$

Status Checks Alarm Status Public DNS (IPv4)

2/2 checks ... None ec2-3-21-53-174.us-east-2.compute.amazonaws.com

Public IP 3.21.53.174

IPv6 IPs -

Elastic IPs -

Activities Text Editor Tue 15:35

*index-1.php [Read-Only]
/tmp/mozilla_ajinkya0

```
index.php x index.php x *index-1.php x
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-facerecognition-bucket';
$keyname = 'arsenalpic.jpg';

$s3 = new S3Client([
    '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-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,

```

PHP Tab Width: 8 Ln 46, Col 4 INS

Activities PuTTY SSH Client Tue 15:28

Instances | EC2 Management Console - Mozilla Firefox

Instances | EC2 Management Console - Mozilla Firefox

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

Services Resource Groups

Ajinkya Gaikwad Ohio Support

New EC2 Exper

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ec2-user@ip-172-31-47-56:/var/www/html/face

```
ec2-user@ip-172-31-47-56:/var/www/html/face$ ls
arsenalpic.jpg composer.json composer.lock index.php vendor
ec2-user@ip-172-31-47-56:/var/www/html/face$ sudo php index.php
Image upload done... Here is the URL: https://aws-facerecognition-bucket.s3.us-east-2.amazonaws.com/arsenalpic.jpg[ec2-user@ip-172-31-47-56:/var/www/html/face$]
```

Status Checks	Alarm Status	Public DNS (IPv4)
2/2 checks ...	None	ec2-3-21-53-174.us