



Root user sign in

Email: sushmithar1215@gmail.com

Password

[Forgot password?](#)

.....

Sign in

[Sign in to a different account](#)

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aws RE:INFORCE
June 30 – July 1, 2020 • Houston, TX

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EC2 Management Console

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

Services

Resource Groups

Sushmitha ROhioSupport

New EC2 Experience

EC2 Dashboard

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INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

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Reserved Instances

Dedicated Hosts

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Welcome to the new EC2 console!

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	2	Security groups	3
Placement groups	0		

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server.

Launch instance

Service health

Account attributes

Supported platforms

VPC

Default VPC

vpc-438d5828

Console experiments

Settings

Explore AWS

Easily launch third-party AMI products

AWS Marketplace has thousands of third-party AMI products that you can find, buy, and deploy with 1-click using the Amazon EC2 console.

Learn more

Feedback

English (US)

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S3 Management Console

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

aws

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Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight

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.

Amazon S3

Buckets (1)

Copy ARN

Empty

Delete

Create bucket

Find bucket by name

< 1 >

Name	Region	Access	Bucket created
aws-ethnus			2020-03-28T12:46:19.000Z

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Rekognition Console

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

aws

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Amazon Rekognition

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Download SDKs

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

You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building visual recognition capabilities by making powerful



Continuously Learning

Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.



Integrated with AWS Services

Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3 without moving any data. You can also run real-time

FeedbackEnglish (US)

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Launch Instance Wizard | EC2 Ma x

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

aws

Services Resource Groups

Sushmitha R Ohio Support

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

Cancel and Exit

Quick Start

My AMIsAWS MarketplaceCommunity AMIsFree tier only

Amazon Linux

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab68a28e (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: ebsVirtualization type: hvmENA 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.

Root device type: ebsVirtualization type: hvmENA Enabled: Yes

64-bit (x86)

Select

Red Hat

Free tier eligible

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebsVirtualization type: hvmENA Enabled: Yes

64-bit (x86)64-bit (Arm)

Select

SUSE Linux

Free tier eligible

SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type - ami-04c5bab51cc146925 (64-bit x86) / ami-02e73902018018171 (64-bit Arm)

SUSE Linux Enterprise Server 15 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.

Root device type: ebsVirtualization type: hvmENA Enabled: Yes

64-bit (x86)64-bit (Arm)

Select

FeedbackEnglish (US)

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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
<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

CancelPreviousReview and LaunchNext: Configure Instance Details

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"/>	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.

Launch instance wizard | EC2 Ma x

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

aws

Services Resource Groups

Sushmitha R 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


← → ↺

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

☆ 

Services ▾

Resource Groups ▾




🔔

Sushmitha R ▾

Ohio ▾

Support ▾

 New EC2 Experience
Tell us what you think

EC2 Dashboard *New*

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


Bundle Tasks


▼ ELASTIC BLOCK STORE

Volumes

EC2 > Key pairs

Key pairs (2)

 Actions ▾ Create key pair

< 1 > 

<input type="checkbox"/>	Name ▾	Fingerprint ▾
<input type="checkbox"/>	aws-key	c3:57:b2:fd:f2:66:30:0a:b2:3e:8a:0b:02:75:1e:30:58:82:33:af
<input type="checkbox"/>	webinar-key	38:b3:f6:17:41:73:ad:57:ee:44:2b:bc:c3:a4:da:f9:e1:e0:e7:d0

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PuTTY Key Generator



File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCKbpsNEBLnBGAPacDwzNfqADUBwGHLdJxul5
dVTO10munR4s9EA9U1QG+ve/T0v5uE+gOXhBhCb+9NAIPBBgq
+CnQnppHclvBmBLVI/eMwLxFv/4zEcFDDFqloM4ttst+Pmvvij2qg
+LMctd2knpC2uOuUHjE2aSvtcLSdqzPKMZJ9JnUINMwOyBgmwbElnqTvr/D
```

Key fingerprint:

Key comment:

Key passphrase:

Confirm passphrase:

PuTTYgen Warning



Are you sure you want to save this key
without a passphrase to protect it?

Yes

No

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Generate

Load

Save public key

Save private key

Parameters

Type of key to generate:

☒ RSA

☐ DSA

☐ ECDSA

☐ Ed25519

☐ SSH-1 (RSA)

Number of bits in a generated key:

2048

ec2-user@ip-172-31-40-101:~

login as: ec2-user

Authenticating with public key "imported-openssh-key"

Last login: Fri Apr 3 05:37:45 2020 from 106.193.64.111

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

<https://aws.amazon.com/amazon-linux-2/>

[ec2-user@ip-172-31-40-101 ~]\$

S3 Management Console

s3.console.aws.amazon.com/s3/bucket/create?region=us-east-2

aws

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Support

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.

Amazon S3

Create bucket

Create bucket

General configuration

Bucket name

aws-ethnus

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

Region

US East (Ohio) us-east-2

Bucket settings for Block Public Access

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☒ **Block all public access**

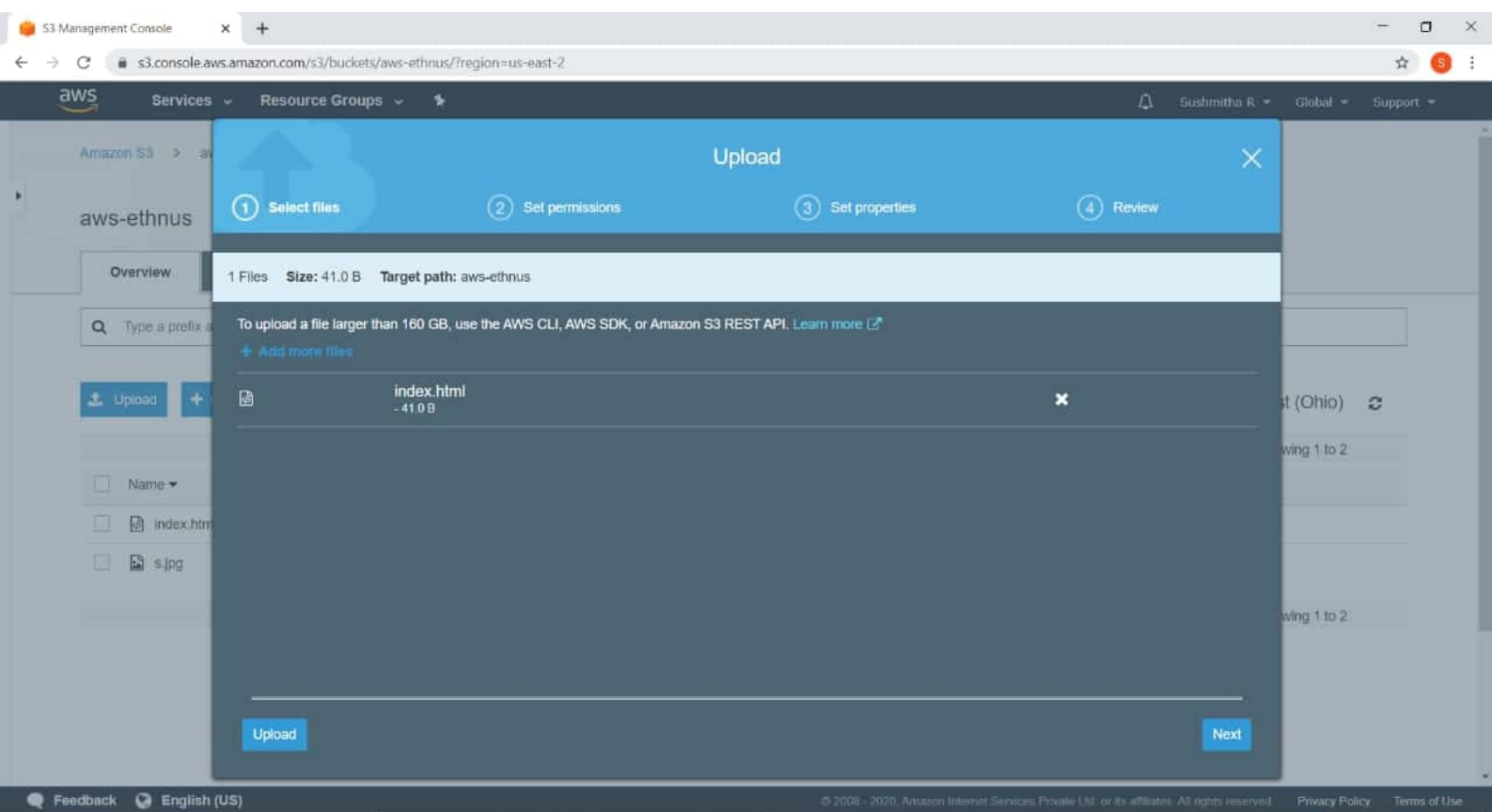
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☒ Block public access to buckets and objects granted through new access control lists (ACLs)

Feedback

English (US)

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S3 Management Console

s3.console.aws.amazon.com/s3/buckets/aws-ethnus/?region=us-east-2&tab=properties

aws

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Support

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

Endpoint : http://aws-ethnus.s3-website.us-east-2.amazonaws.com

☒ Use this bucket to host a website

Learn more

Index document

index.html

Error document

error.html

Redirection rules (optional)

☐ Redirect requests

Learn more

☐ Disable website hosting

☒ Bucket hosting

Cancel

Save

Feedback

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S3 Management Console

s3.console.aws.amazon.com/s3/buckets/aws-ethnus/?region=us-east-2&tab=permissions

aws

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Support

Block public access

Access Control List

Bucket Policy

CORS configuration

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

✓ Public access settings updated successfully

✕

Block all public access

Off

Edit

Block public access to buckets and objects granted through *new* access control lists (ACLs)

Off

Block public access to buckets and objects granted through *any* access control lists (ACLs)

Off

Block public access to buckets and objects granted through *new* public bucket or access point policies

Off

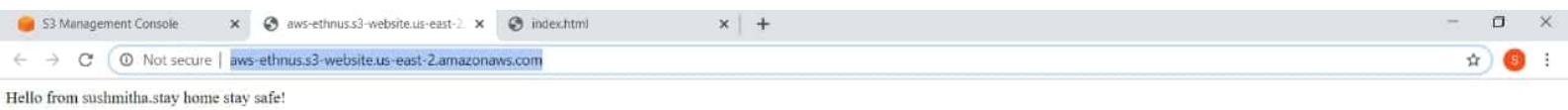
Block public and cross-account access to buckets and objects through *any* public bucket or access point policies

Off

Feedback

English (US)

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Rekognition Console

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

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Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

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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.


Upload

or drag and drop

Done with the demo?

[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

Request

Feedback

English (US)

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Rekognition Console

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

aws

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Face comparison

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


Reference face





Choose a sample image



Comparison faces





Choose a sample image






Done with the demo?



[Learn more](#)

Results









Feedback

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Rekognition Console

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

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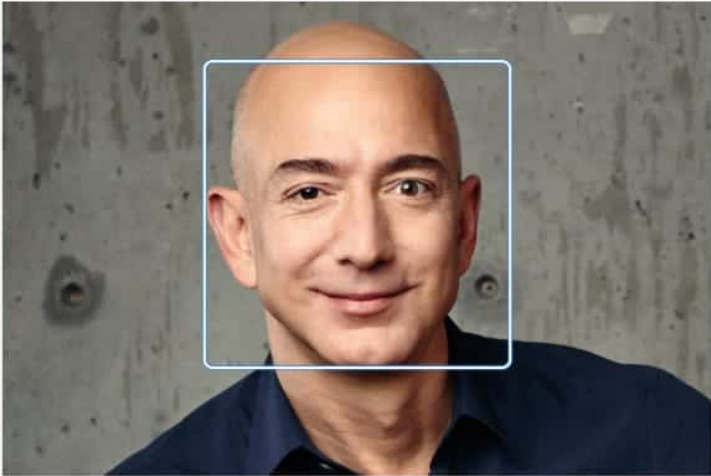
Additional Resources

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Download SDKs

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.



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

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

Results



Jeff Bezos
[Learn More](#)

Match confidence100 %

Request

Response

Feedback

English (US)

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Rekognition Console

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

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Text in image

Rekognition automatically detects and extracts text in your images. [Learn More](#)



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

Done with the demo?

[Learn more](#)

Results

US English only

IT'S

MONDAY

but keep

Smiling

Request

Response

Feedback

English (US)

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ec2-user@ip-172-31-40-101:/var/www/html/face

```
[ec2-user@ip-172-31-40-101 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.134 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 0 installs, 1 update, 0 removals
  - Updating aws/aws-sdk-php (3.133.46 => 3.134.2): Downloading (100%)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-40-101 face]$
```

ec2-user@ip-172-31-40-101:~

```
Installing:
php          x86_64          7.2.28-1.amzn2          amzn2extra-php7.2          2.9 M

Transaction Summary
=====
Install 1 Package

Total download size: 2.9 M
Installed size: 9.1 M
Is this ok [y/d/N]: y
Downloading packages:
php-7.2.28-1.amzn2.x86_64.rpm | 2.9 MB 00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : php-7.2.28-1.amzn2.x86_64          1/1
  Verifying  : php-7.2.28-1.amzn2.x86_64          1/1

Installed:
php.x86_64 0:7.2.28-1.amzn2

Complete!
[ec2-user@ip-172-31-40-101 ~]$
```



```
ec2-user@ip-172-31-40-101:/var/www/html/face
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-ethnus';
$keyname = 'sample.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'
    ]);
}
```

30,1 72%

```
ec2-user@ip-172-31-40-101:/var/www/html/face  
[ec2-user@ip-172-31-40-101 face]$ sudo php index.php  
Image upload done... Here is the URL: https://aws-ethnus.s3.us-east-2.amazonaws.com/s.jpg[ec2-user@ip-172-31-40-101 face]$
```



```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Wed Apr  1 09:41:52 2020 from 106.193.3.8
```

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

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-40-101 ~]$ cd /var/www/html
[ec2-user@ip-172-31-40-101 html]$ cd face
[ec2-user@ip-172-31-40-101 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-40-101 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-ethnus.s3.us-east-2.amazonaws.
com/s.jpgTotally there are 9 faces[ec2-user@ip-172-31-40-101 face]$
```