

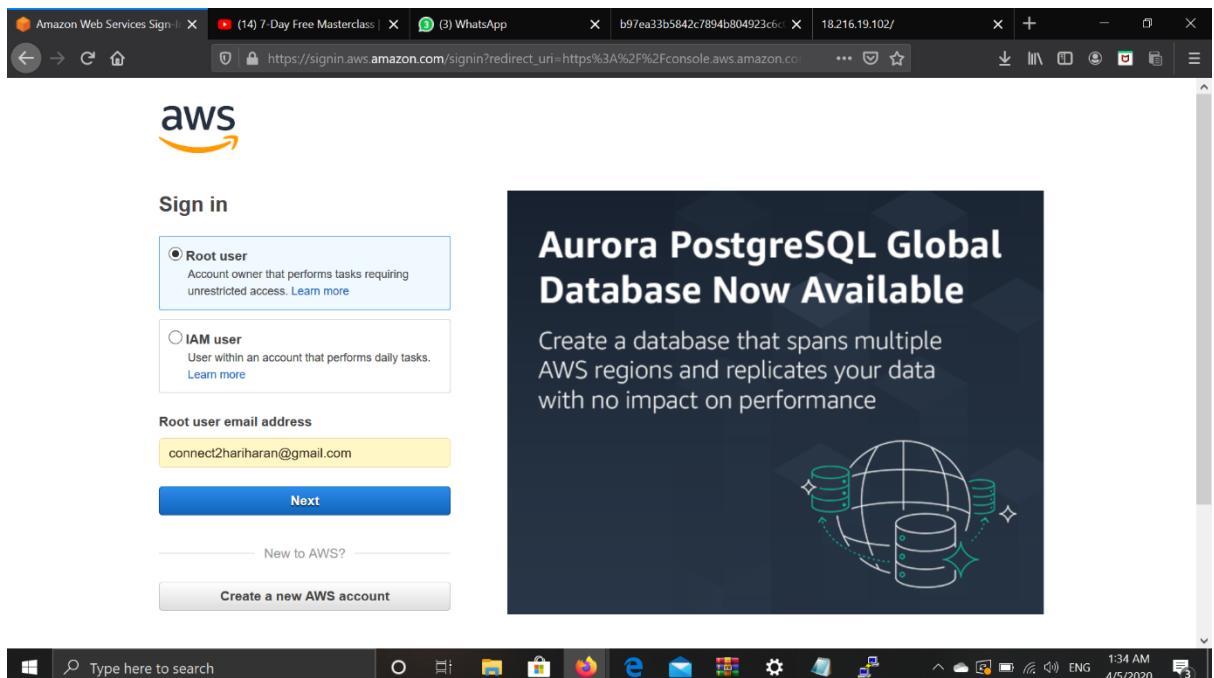
Building a Face-Detection App on AWS

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SCREENSHOTS AND PROOF:

1.Dashboards:



The screenshot shows the AWS EC2 Management Console. The top navigation bar includes tabs for 'Services' and 'Resource Groups'. A banner at the top says 'Welcome to the new EC2 console' and encourages users to try the new experience. The main area is titled 'EC2' and contains a 'Resources' section with a table showing counts for various EC2 resources: Running instances (1), Elastic IPs (0), Dedicated Hosts (0), Snapshots (0), Volumes (1), Load balancers (0), Key pairs (1), Security groups (2), and Placement groups (0). To the right is an 'Account attributes' sidebar with sections for 'Supported platforms' (VPC), 'Default VPC' (vpc-300fdb5b), 'Console experiments', and 'Settings'. A 'Explore AWS' sidebar is also present.

EC2

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	1	Security groups	2
Placement groups	0		

Account attributes

Supported platforms

- VPC

Default VPC

vpc-300fdb5b

Console experiments

Settings

Explore AWS

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

The screenshot shows the AWS S3 Management Console. The top navigation bar includes tabs for 'Services' and 'Resource Groups'. A banner at the top says '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.' The main area is titled 'Amazon S3' and contains a 'Buckets' section. It shows a table with one bucket: 'aws-face-telegram' in 'US East (Ohio)' region, created on '2020-04-04T09:25:17.000Z'. There are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'.

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight (2)

Amazon S3

Buckets (1)

Name	Region	Access	Bucket created
aws-face-telegram	US East (Ohio) us-east-2	Objects can be public	2020-04-04T09:25:17.000Z

This is a duplicate screenshot of the AWS S3 Management Console, showing the same interface and bucket list as the previous screenshot.

The screenshot shows the Amazon Rekognition console interface. On the left, a sidebar lists various services and demos: Custom Labels, Demos, Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image, Video Demos, Metrics, and Metrics. The main content area features a large banner with the heading "Amazon Rekognition" and the subtext "Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos". It includes a "Try Demo" button and a "Download SDKs" link. Below the banner are three icons: a stack of three squares labeled "Easily Integrate Powerful Visual Analysis into Your App", a graph with arrows labeled "Continuously Learning", and a puzzle piece labeled "Integrated with AWS Services". At the bottom of the main content area, there is a footer with copyright information and links to Privacy Policy and Terms of Use.

The screenshot shows the "Choose an AMI" step of the EC2 instance creation wizard. The top navigation bar includes "Feedback", "English (US)", and a search bar. The main content area has a header "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." Below this is a search bar with placeholder text "Search for an AMI by entering a search term e.g. "Windows"". To the right is a "Cancel and Exit" button. The main list of AMIs is titled "Quick Start" and includes categories: "My AMIs", "AWS Marketplace", "Community AMIs", and a "Free tier only" checkbox. The first item listed is "Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)". It has a "Select" button and two radio buttons for "64-bit (x86)" and "64-bit (Arm)". The second item is "Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8" with a "Select" button and a "64-bit (x86)" radio button. The third item is "Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit x86)" with a "Select" button.

The screenshot shows the "Configure Instance Details" step of the EC2 instance creation wizard. The top navigation bar includes "Feedback", "English (US)", and a search bar. The main content area has a header "Step 2: Configure Instance Details". A sub-instruction says "Configure the instance details such as instance type, storage, and security group." Below this is a "Cancel and Exit" button. The main form includes fields for "Instance Type", "Storage", "Security Group", and "Tags". There is also a "Configure Security Group" section with a "Next Step" button.

2.EC2

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	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

Cancel Previous Review and Launch Next: Configure Instance Details

Feedback English (US)

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Launch instance wizard | EC2 | (14) 7-Day Free Masterclass | WhatsApp | b97ea33b5842c7894b804923c6d | 18.216.19.102/ | 90% | ... | Haritharan | Ohio | Support

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

Feedback English (US)

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Launch instance wizard | EC2 | (14) 7-Day Free Masterclass | WhatsApp | b97ea33b5842c7894b804923c6d | 18.216.19.102/ | 90% | ... | Haritharan | Ohio | Support

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

Review and Launch

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 <input type="button" value="..."/> 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](#)

EC2 Dashboard

Instances

Launch Instance [Connect](#) [Actions](#)

Filter by tags and attributes or search by keyword

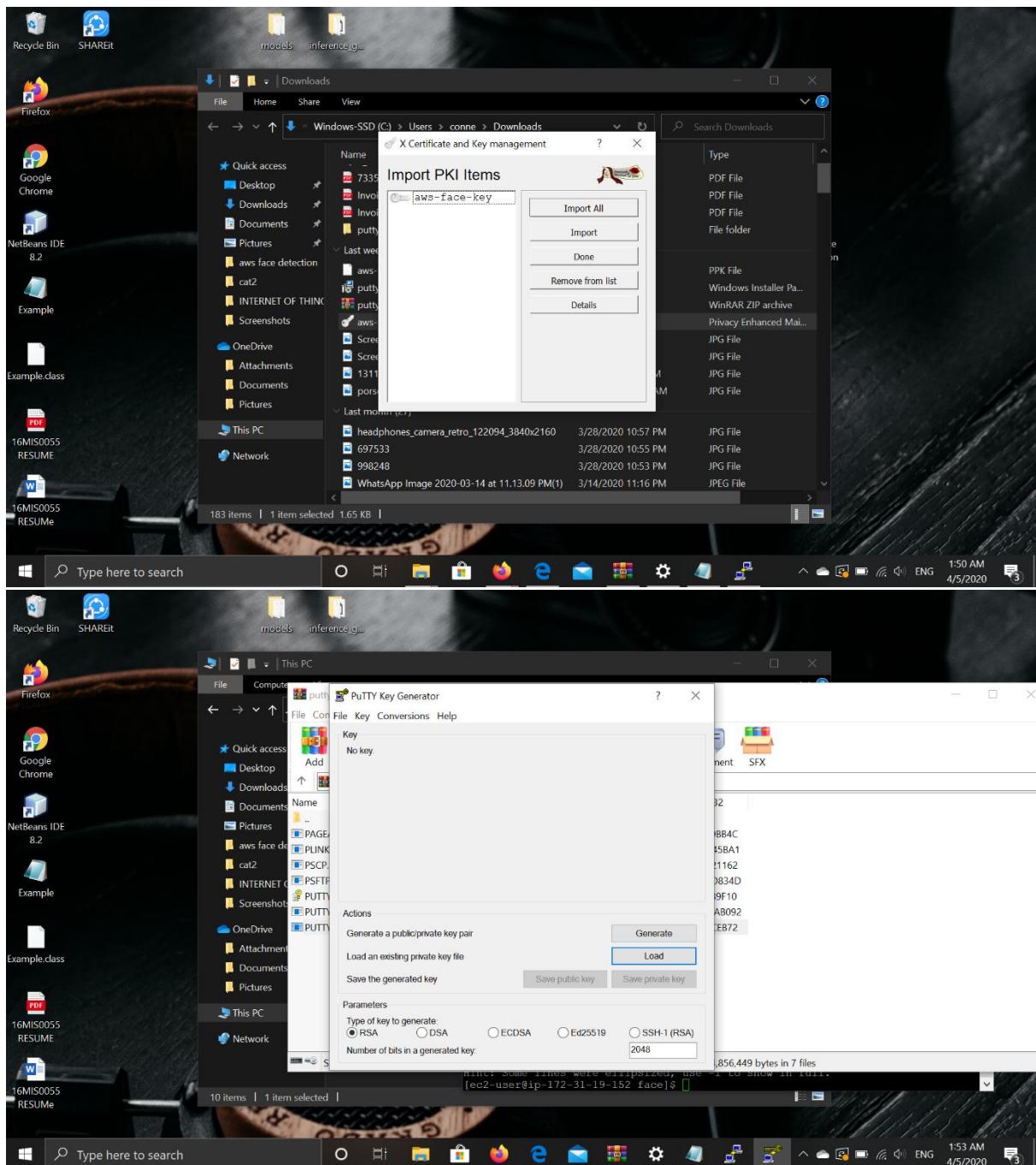
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status
i-023908a4bb86bc7ed	i-023908a4bb86bc7ed	t2.micro	us-east-2b	running	2/2 checks ...	None
i-06a5f1da36060a44d	i-06a5f1da36060a44d	t2.micro	us-east-2b	running	2/2 checks ...	None

The name of the key pair that you must use to log in to the instance securely.

Key pair name: aws-face-key
Owner: 731918991344
Launch time: April 3, 2020 at 6:20:11 PM UTC+5:30 (31 hours)
Termination protection: False
Lifecycle: normal
Monitoring: basic
Alarm status: None
Usage operation: -
Source/dest. check: True
T2/T3 Unlimited: Disabled
EBS-optimized: False
Root device type: ebs
Root device: /dev/xvda
Block devices: /dev/xvda
Elastic Graphics ID: -
Elastic Inference accelerator ID: -

[Feedback](#) [English \(US\)](#)

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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-face-cricket

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

Feedback English (US)

Type here to search

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1:57 AM 4/5/2020

3.S3

S

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

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

Successfully created bucket aws-face-cricket

To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.

Go to bucket details

Amazon S3

Buckets (2)

Name	Region	Access	Bucket created
aws-face-cricket	US East (Ohio) us-east-2	Not Public	2020-04-04T20:28:29.000Z
aws-face-telegram	US East (Ohio) us-east-2	Objects can be public	2020-04-04T09:25:17.000Z

Copy ARN Empty Delete Create bucket

Feedback English (US)

Type here to search

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1:58 AM 4/5/2020

S3 Management Console | (14) 7-Day Free Masterclass | (3) WhatsApp | (14) 7-Day Free Masterclass | +

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

Services Resource Groups

Upload

1 Select files 2 Set permissions 3 Set properties 4 Review

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders here.

OR

Upload Next

Feedback English (US)

Type here to search

S3 Management Console | (14) 7-Day Free Masterclass | (3) WhatsApp | (14) 7-Day Free Masterclass | +

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

aws Services Resource Groups

Amazon S3 > aws-face-telegram

aws-face-telegram

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 3

Name	Last modified	Size	Storage class
Screenshot (10).png	Apr 5, 2020 1:59:40 AM GMT+0530	309.8 KB	Standard
index.html	Apr 4, 2020 4:16:49 PM GMT+0530	118.0 B	Standard

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

Type here to search

```

ec2-user@ip-172-31-19-152:/var/www/html/face
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-172-31-19-152 ~]$ cd /var/www/html
[ec2-user@ip-172-31-19-152 html]$ cd face
[ec2-user@ip-172-31-19-152 face]$ 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 updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-19-152 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-04-04 20:46:56-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 23.210.196.239, 2a04:e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)|23.210.196.239|: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
2020-04-04 20:46:57 (5.50 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-19-152 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg  composer.lock  s.jpg
b97ea33b5842c7894b804923c6c05580.jpg.l  index.php  tele.php
composer.json  sample.jpg  vendor
[ec2-user@ip-172-31-19-152 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg.s.jpg
[ec2-user@ip-172-31-19-152 face]$ sudo vim index.php
[ec2-user@ip-172-31-19-152 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-face-telegram.s3.us-east-2.amazonaws.com
[ec2-user@ip-172-31-19-152 face]$
```

The screenshot shows a Windows taskbar with several open browser tabs. One tab is titled 'Instances | EC2 Management' and another is '7-Day Free Masterclass'. A terminal window is also visible on the taskbar.

The screenshot shows the AWS EC2 Management console. It displays a list of instances, with one instance selected. The instance details page shows the following information:

Description	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
Instance ID: i-023908a4bb86bc7ed	2/2 checks ...	None	ec2-18-216-19-102.us-east-2.compute.amazonaws.com	18.216.19.102	-
	2/2 checks ...	None	ec2-3-21-204-79.us-east-2.compute.amazonaws.com	3.21.204.79	-

4. RECOGNITION:

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

Additional Resources

Feedback English (US)

Type here to search

(14) 7-Day Free Masterclass | D X (3) WhatsApp X b97ea33b5842c7894b804923c6c05 X +

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

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

Results US English only

| IT'S |
| MONDAY |
| but | keep |
| Smiling |

Request Response

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Rekognition Console X (14) 7-Day Free Masterclass | D X (3) WhatsApp X b97ea33b5842c7894b804923c6c05 X +

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

Additional Resources

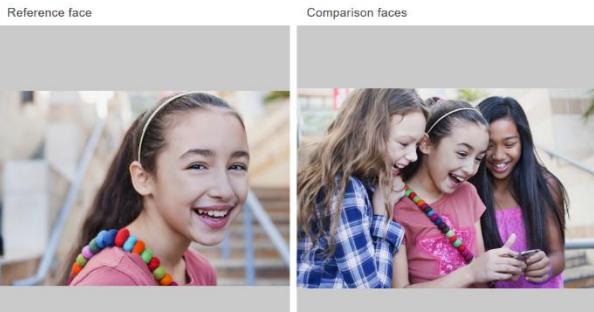
Feedback English (US)

Type here to search

(14) 7-Day Free Masterclass | D X (3) WhatsApp X b97ea33b5842c7894b804923c6c05 X +

Face comparison

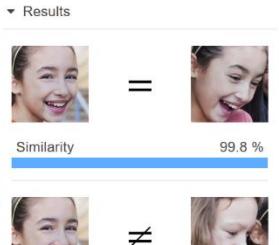
Compare faces to see how closely they match based on a similarity percentage.



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

Results

Similarity 99.8 %



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Screenshot of the AWS Rekognition Console showing the Celebrity recognition demo.

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

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

Results

	Jeff Bezos	Learn More
Match confidence		100 %

Request Response

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.

Feedback English (US)

Type here to search

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11:09 PM 4/4/2020

Screenshot of the AWS Rekognition Console showing the Facial analysis demo.

Facial analysis

Get a complete analysis of facial attributes, including confidence scores.

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 %	

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.

Feedback English (US)

Type here to search

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11:09 PM 4/4/2020

5.EC2 AND S3:

Screenshot of the AWS S3 Management Console showing the configuration of a bucket named "aws-face-telegram".

Bucket Settings:

- Versioning:** Keep multiple versions of an object in the same bucket. (Disabled)
- Server access logging:** Set up access log records that provide details about access requests. (Disabled)
- Static website hosting:**
 - Endpoint: <http://aws-face-telegram.s3-website-us-east-2.amazonaws.com>
 - Use this bucket to host a website (selected)
 - Index document: index.html
 - Error document: error.html
 - Redirection rules (optional):
 - Bucket hosting
- Object-level logging:** Record object-level API activity using the CloudTrail data events feature (additional cost). (Disabled)
- Default encryption:** Automatically encrypt objects when stored in Amazon S3. (Learn more)

Advanced settings:

- Object lock:** Prevent objects from being deleted.
- Tags:** Use tags to track your cost against.
- Transfer acceleration:** Enable fast, easy and secure transfers.
- Events:** Receive notifications when specific events.
- Requester pays:** The requester (instead of the bucket).

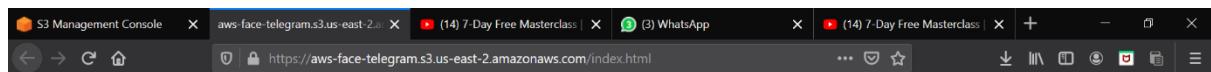
Block public access (bucket settings):

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](#)

Block all public access:

- 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)**: S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- Block public access to buckets and objects granted through any access control lists (ACLs)**: S3 will ignore all ACLs that grant public access to buckets and objects.
- Block public access to buckets and objects granted through new public bucket or access point policies**: S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- Block public and cross-account access to buckets and objects through any public bucket or access point policies**: S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Operations: 0 In progress, 1 Success, 0 Error



hello everyone.this is hariharan

My stay home and stay safe



Key pairs (1/1)

Name	Fingerprint
aws-face-key	7axccb6e2:2a:00:b0:5e:43:a6:e0:6f:c2:11:28:ba:1c:19:93:79

THANK YOU