

APTIMITHRA - ETHNUS

AWS FACE DETECTION PROJECT

NAME: SWATHY B

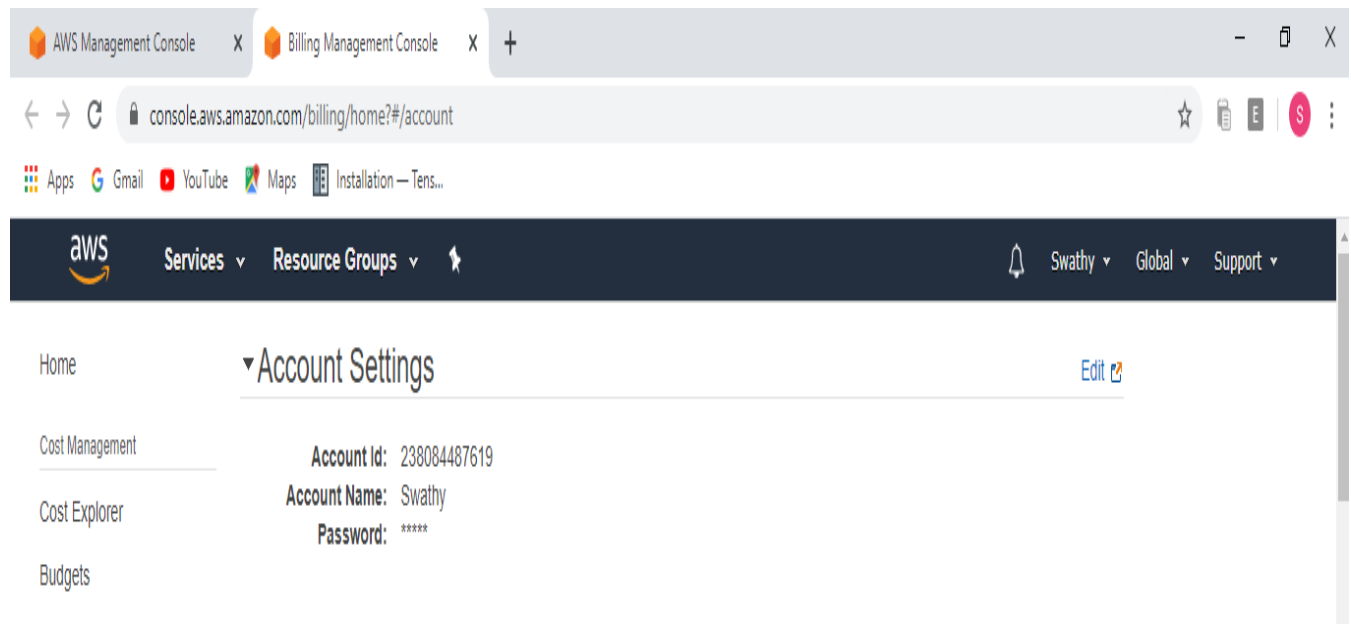
REGISTER NO: 16MIS0491

COLLEGE NAME: VIT VELLORE

COURSE NAME: M-TECH (SOFTWARE ENGINEERING)

Screenshots needed for Dashboards

1. AWS Login screen with username



Downloads x AWS Management Console x +

us-east-2.console.aws.amazon.com/console/home?nc2=h_ct&src=header-signin®ion=us-east-2

Apps Gmail YouTube Maps Installation — Tens...

AWS Services Resource Groups Swathy Ohio Support

AWS Management Console

AWS services

Find Services
You can enter names, keywords or acronyms.

▼ Recently visited services

S3 VPC Amazon Rekognition

EC2 Billing

► All services

Build a solution
Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Build using virtual servers
With Lightsail
1-2 minutes

Access resources on the go

Access the Management Console using the AWS Console Mobile App.
[Learn more](#)

Explore AWS

AWS IQ
Connect with AWS Certified third-party experts for on-demand consultations and project help.
[Get started](#)

Amazon CloudWatch
End-to-End monitoring and observability with Amazon CloudWatch. [Get started](#)

Amazon EMR
The EMR runtime for Apache Spark is up to 32X faster, delivering improved performance and

2. EC2 Dashboard

Downloads x EC2 Management Console x +

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

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☒ 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

Resources

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. [Learn more](#)

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Service health

[Service Health Dashboard](#)

Account attributes

[Supported platforms](#)

- VPC

[Default VPC](#)
vpc-796da712

[Console experiments](#)

[Settings](#)

Additional information

[Getting started guide](#)

[Documentation](#)

[All EC2 resources](#)

[Forums](#)

[Pricing](#)

[Contact us](#)

Feedback English (US)

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7-Day Free Masterclass | Day 4 - x Instances | EC2 Management Co x 52.14.126.200 x +

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

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New EC2 Experience Tell us what you think

EC2 Dashboard New

Events New

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Limits

INSTANCES

Instances

Instance Types

Launch Templates New

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Reserved Instances

Dedicated Hosts New

Capacity Reservations

IMAGES

AMI's

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	Public DNS (IPv4)
	i-0e16f86b86a2400d3	t2.micro	us-east-2a	running	2/2 checks ...	None	ec2-52-14-126-200.us-...

Instance: i-0e16f86b86a2400d3 Public DNS: ec2-52-14-126-200.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-0e16f86b86a2400d3	Public DNS (IPv4)	ec2-52-14-126-200.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	52.14.126.200
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more	Elastic IPs	
Private DNS	ip-172-31-2-189.us-east-2.compute.internal	Availability zone	us-east-2a
Private IPs	172.31.2.189	Security groups	launch-wizard-1. view inbound rules . view

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aws-webinar-key.pem Show all

3. S3 Dashboard

Downloads x S3 Management Console x +

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

aws Services Resource Groups Swathy Global Support

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

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 (2) Copy ARN Empty Delete Create bucket

Find bucket by name

Name	Region	Access	Bucket created
aws-webinar-swa	US East (Ohio) us-east-2	Objects can be public	2020-03-31T08:03:18.000Z
aws-webinar-swa2	US East (Ohio) us-east-2	Objects can be public	2020-04-01T10:52:19.000Z

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4. Rekognition Dashboard

The screenshot shows the Amazon Rekognition console dashboard. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Swathy, Ohio, Support). The left sidebar lists various features: 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, and Additional Resources (Getting started guide, Download SDKs). The main content area features a large header with the title 'Amazon Rekognition' and the description 'Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos.' Below this are three columns of information: 'Easily Integrate Powerful Visual Analysis into Your App' (explaining how Rekognition simplifies building visual recognition capabilities), 'Continuously Learning' (stating it analyzes billions of images and videos daily), and 'Integrated with AWS Services' (highlighting integration with Amazon S3 and AWS Lambda). The footer contains a feedback link, language selection (English (US)), and copyright information (© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.).

Screenshots needed for EC2

1. Choosing an AMI

The screenshot displays the 'Choose an AMI' step in the Amazon EC2 console's Launch Instance Wizard. The top navigation bar is consistent with the previous screenshot. The wizard progress bar shows seven steps: 1. Choose AMI (active), 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)' and includes a 'Cancel and Exit' link. Below the title is a descriptive paragraph about AMIs. A search bar prompts the user to 'Search for an AMI by entering a search term e.g. "Windows"'. On the left, a 'Quick Start' sidebar lists 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. The main list of AMIs shows 'Amazon Linux 2 AMI (HVM), SSD Volume Type' with its ID and architecture. A 'Select' button is visible next to it. The bottom of the list shows details for the selected AMI: 'Amazon Linux 2.29.1, and the latest software packages through extras.', 'Root device type: ebs', 'Virtualization type: hvm', and 'ENA Enabled: Yes'. The bottom right corner indicates '1 to 40 of 40 AMIs'.

2. Choosing an Instance Type

7-Day Free Masterclass xLaunch instance wizard xhttps://aws-webinar-sw xcidr block - Google Seaiam - Google Search xWhatsApp x+ - x

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

AppsGmailYouTubeMapsInstallation — Tens...

awsServicesResource GroupsSwathyOhioSupport

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

CancelPreviousReview and LaunchNext: Configure Instance Details

3. Adding Storage

7-Day Free Masterclass xLaunch instance wizard xhttps://aws-webinar-sw xcidr block - Google Seaiam - Google Search xWhatsApp x+ - x

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

AppsGmailYouTubeMapsInstallation — Tens...

awsServicesResource GroupsSwathyOhioSupport

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

CancelPreviousReview and LaunchNext: Add Tags

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**

5. Key Pair Download

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 7: Review Instance Launch

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	Variable	1

Security Groups

Security group name	Description
launch-wizard-2	launch-wizard-2 created 2020-03-31T07:23:18.700-07:00

SSH TCP

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair name

Download Key Pair

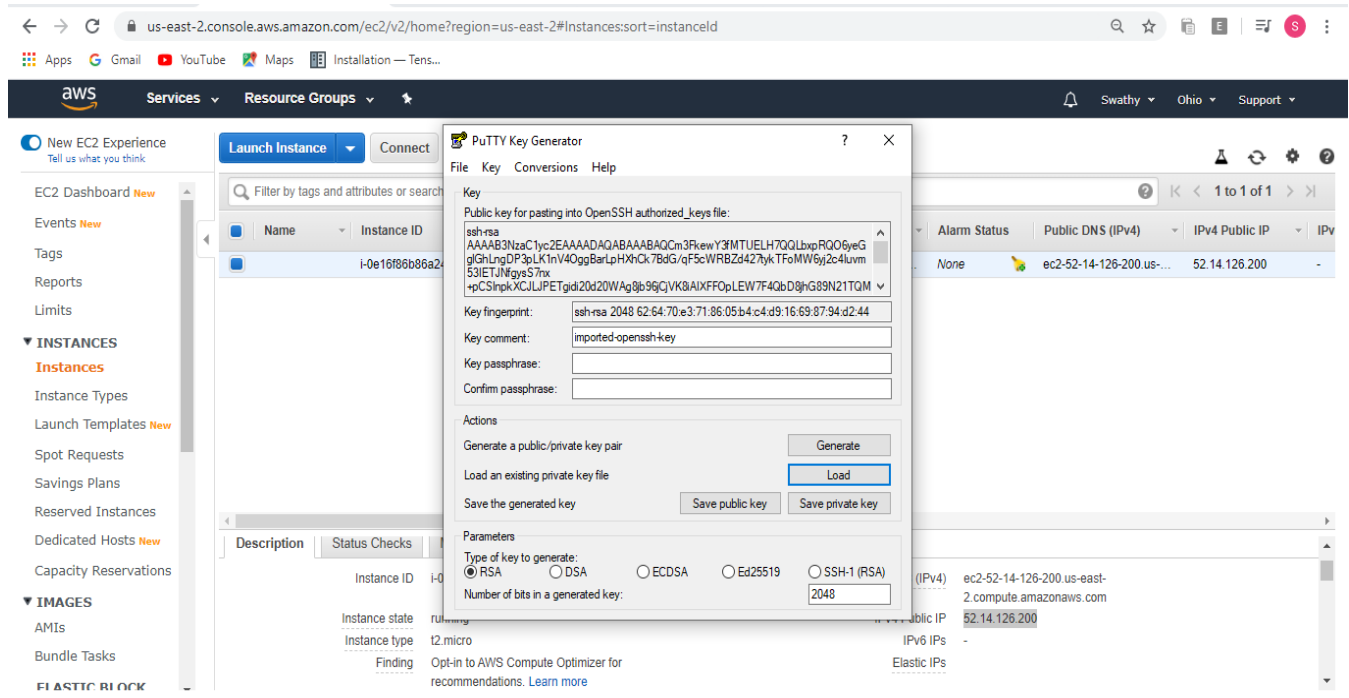
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.

Cancel Launch Instances

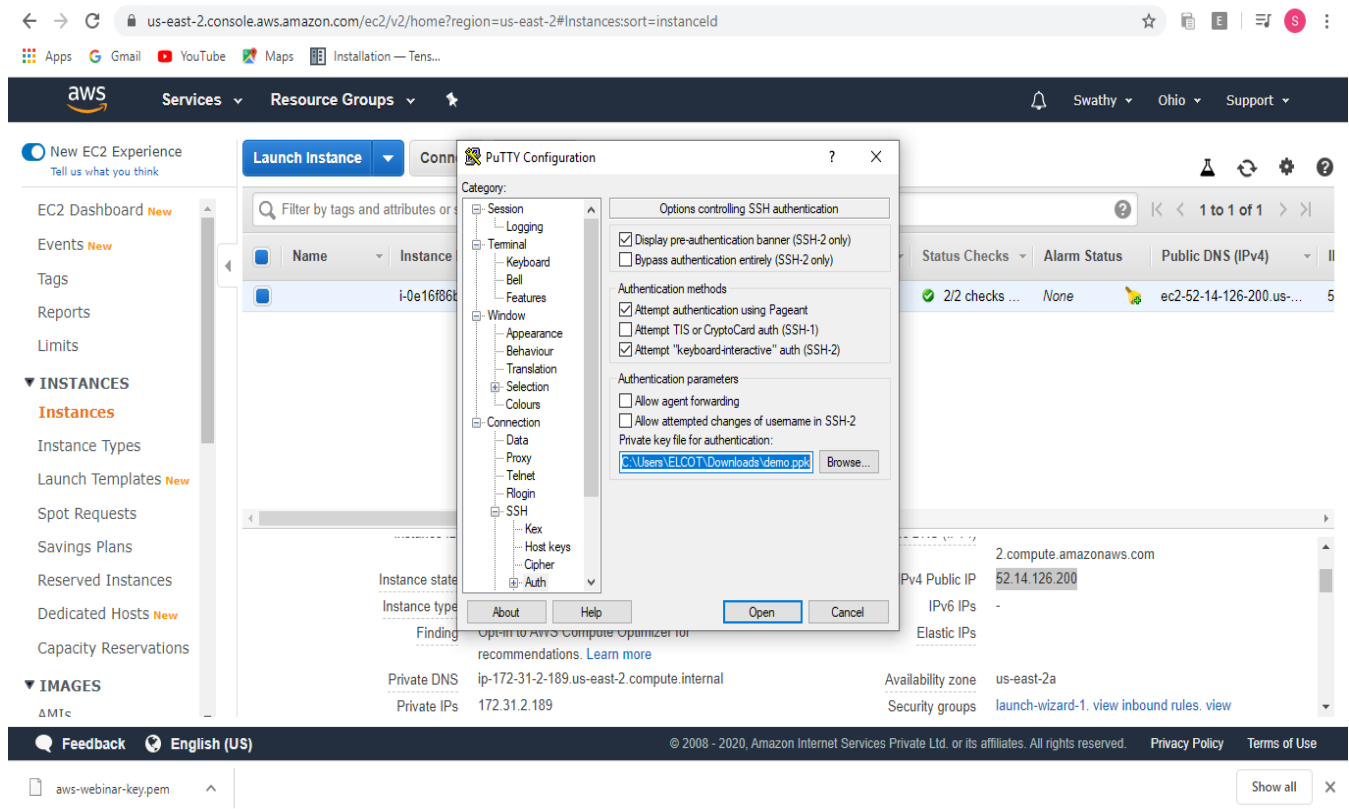
Cancel Previous **Launch**

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6. PuTTYgen conversion from pem to ppk



7. Logged in EC2 black screen



7-Day Free Masterclass x Instances | EC2 Manage x https://aws-webinar-sv x cidr block - Google Search x iam - Google Search x WhatsApp x

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

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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

Launch Instance

Filter by

Name

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-172-31-2-189 ~]\$

Instance type t2.micro

IPv6 IPs

Elastic IPs

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```
ec2-user@ip-172-31-2-189:~$
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Mon Mar 30 10:39:02 2020 from 157.50.111.141


 _ _ _ _ _
| | | | |
|_|_|_|_|_|_ 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-172-31-2-189 ~]$ 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
--> Processing Dependency: httpd filesystem for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.41-1.amzn2.0.1.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd filesystem.noarch 0:2.4.41-1.amzn2.0.1 will be installed
--> Package httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.3-2.amzn2 will be installed
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution
```

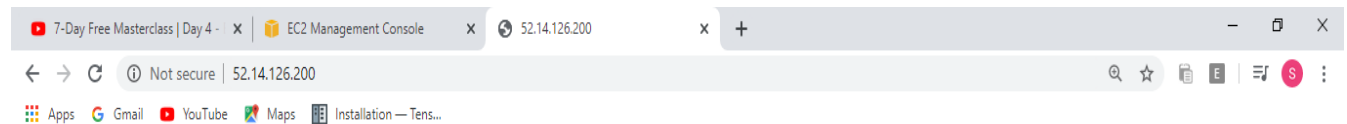


```
Complete!
[ec2-user@ip-172-31-2-189 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-2-189 ~]$ sudo service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
t: disabled)
   Active: active (running) since Mon 2020-03-30 10:54:55 UTC; 42s ago
     Docs: man:httpd.service(8)
  Main PID: 3816 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes se
rved/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─3816 /usr/sbin/httpd -DFOREGROUND
              └─3817 /usr/sbin/httpd -DFOREGROUND
                └─3818 /usr/sbin/httpd -DFOREGROUND
                  └─3819 /usr/sbin/httpd -DFOREGROUND
                    └─3820 /usr/sbin/httpd -DFOREGROUND
                      └─3821 /usr/sbin/httpd -DFOREGROUND

Mar 30 10:54:55 ip-172-31-2-189.us-east-2.compute.internal systemd[1]: Starti...
Mar 30 10:54:55 ip-172-31-2-189.us-east-2.compute.internal systemd[1]: Starte...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-2-189 ~]$ sudo vim /var/www/html/index.html
[ec2-user@ip-172-31-2-189 ~]$
```

 ec2-user@ip-172-31-2-189:~

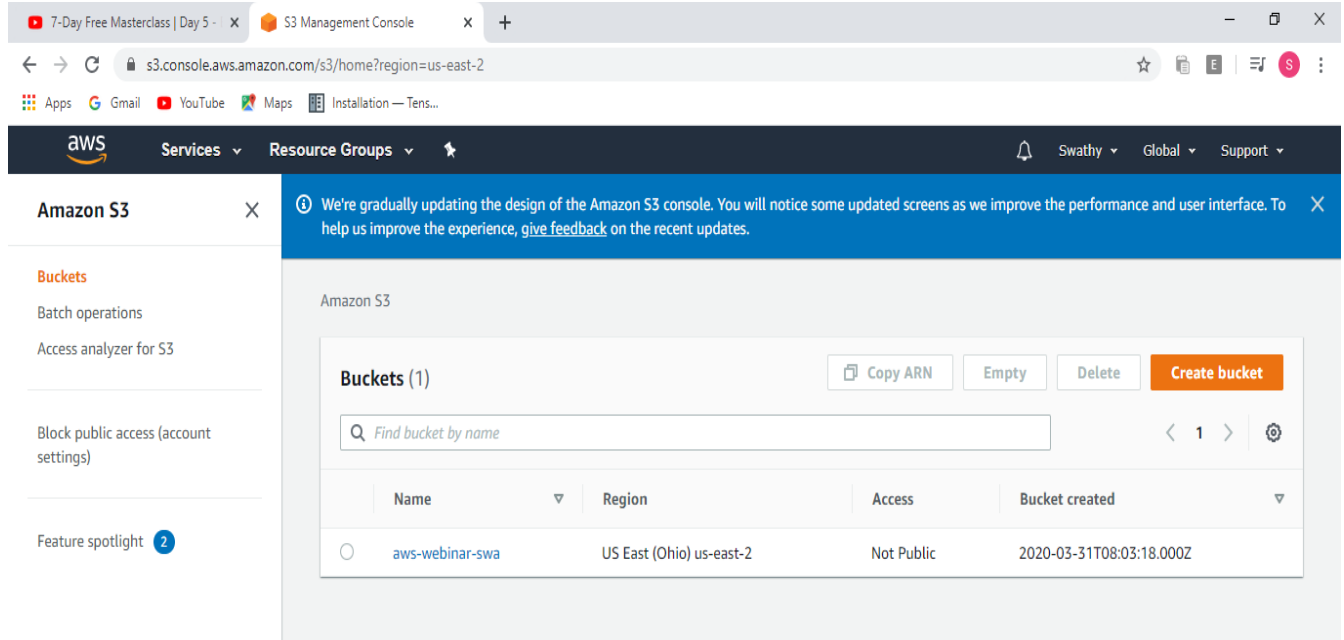
```
hi swathy,
```



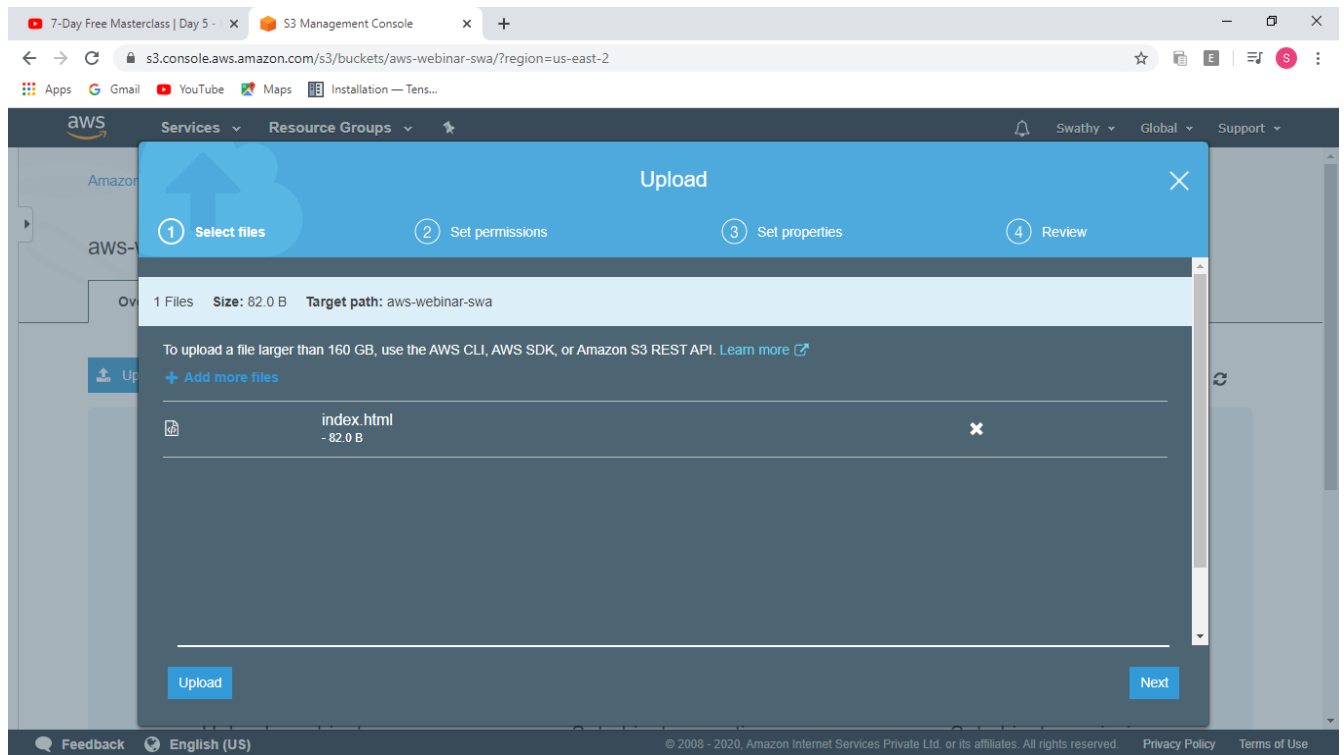
hi swathy,

Screenshots needed for S3

1. Creating a bucket



2. Uploading an Object



7-Day Free Masterclass | Day 5 - x S3 Management Console x +

s3.console.aws.amazon.com/s3/buckets/aws-webinar-swa/?region=us-east-2

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Amazon S3 > aws-webinar-swa

aws-webinar-swa

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

Name	Last modified	Size	Storage class
<input type="checkbox"/> index.html	Mar 31, 2020 1:38:24 AM GMT-0700	82.0 B	Standard

Viewing 1 to 1

3. Enabling Static Website

7-Day Free Masterclass | Day 5 - x S3 Management Console x + https://aws-webinar-swa.s3.us-east-2.amazonaws.com

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

Apps Gmail YouTube Maps Installation — Tens...

aws Services Resource Groups Swathy Global Support

Static website hosting

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

☒ Use this bucket to host a website [Learn more](#)

Index document [i](#)

index.html

Error document [i](#)

error.html

Redirection rules (optional) [i](#)

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

Bucket hosting

Cancel Save

Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

[Learn more](#)

Disabled

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4. Making the Object Public

This screenshot shows the AWS S3 Management Console interface for the 'aws-webinar-swa' bucket. The 'index.html' object is selected, and the 'Overview' tab is active. A green success message is displayed at the top of the overview section. Below the message are buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. The object's metadata is listed below, including the owner's ID, the last modified date (Mar 31, 2020 1:38:24 AM GMT-0700), the Etag, and the storage class (Standard). The bottom status bar shows 'Operations' with '0 In progress', '3 Success', and '0 Error'.

7-Day Free Masterclass | Day 4 | x S3 Management Console x 403 Forbidden x https://aws-webinar-swa.s3.us-east-2.amazonaws.com/index.html?region=us-east-2&tab=overview

s3.console.aws.amazon.com/s3/object/aws-webinar-swa/index.html?region=us-east-2&tab=overview

Apps Gmail YouTube Maps Installation — Tens...

aws Services Resource Groups Swathy Global Support

Amazon S3 > aws-webinar-swa > index.html

index.html Latest version

Overview Properties Permissions Select from

Success

Open Download Download as Make public Copy path

Owner
0d9fb4d4ef33f07cbb245ae3519cc313b728abd7e1169faa76055f92f9b7f8d9

Last modified
Mar 31, 2020 1:38:24 AM GMT-0700

Etag
6d4e814dcd7e6d4e28b3743d0f176499

Storage class
Standard

Server-side encryption

Operations 0 In progress 3 Success 0 Error

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This screenshot shows the same AWS S3 Management Console interface, but with the 'Properties' tab selected. The 'index.html' object is still selected. The buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path' are visible. The object's metadata is listed below, including the owner's ID, the last modified date (Mar 31, 2020 1:38:24 AM GMT-0700), the Etag, and the storage class (Standard). The 'Server-side encryption' is set to 'None'. The 'Size' is 82.0 B. The 'Key' is 'index.html'. The 'Object URL' is provided as a link: https://aws-webinar-swa.s3.us-east-2.amazonaws.com/index.html. The bottom status bar shows 'Operations' with '0 In progress', '3 Success', and '0 Error'.

7-Day Free Masterclass | Day 5 | x S3 Management Console x https://aws-webinar-swa.s3.us-east-2.amazonaws.com/index.html?region=us-east-2&tab=overview

s3.console.aws.amazon.com/s3/object/aws-webinar-swa/index.html?region=us-east-2&tab=overview

Apps Gmail YouTube Maps Installation — Tens...

aws Services Resource Groups Swathy Global Support

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

Owner
0d9fb4d4ef33f07cbb245ae3519cc313b728abd7e1169faa76055f92f9b7f8d9

Last modified
Mar 31, 2020 1:38:24 AM GMT-0700

Etag
6d4e814dcd7e6d4e28b3743d0f176499

Storage class
Standard

Server-side encryption
None

Size
82.0 B

Key
index.html

Object URL
<https://aws-webinar-swa.s3.us-east-2.amazonaws.com/index.html>

Operations 0 In progress 3 Success 0 Error

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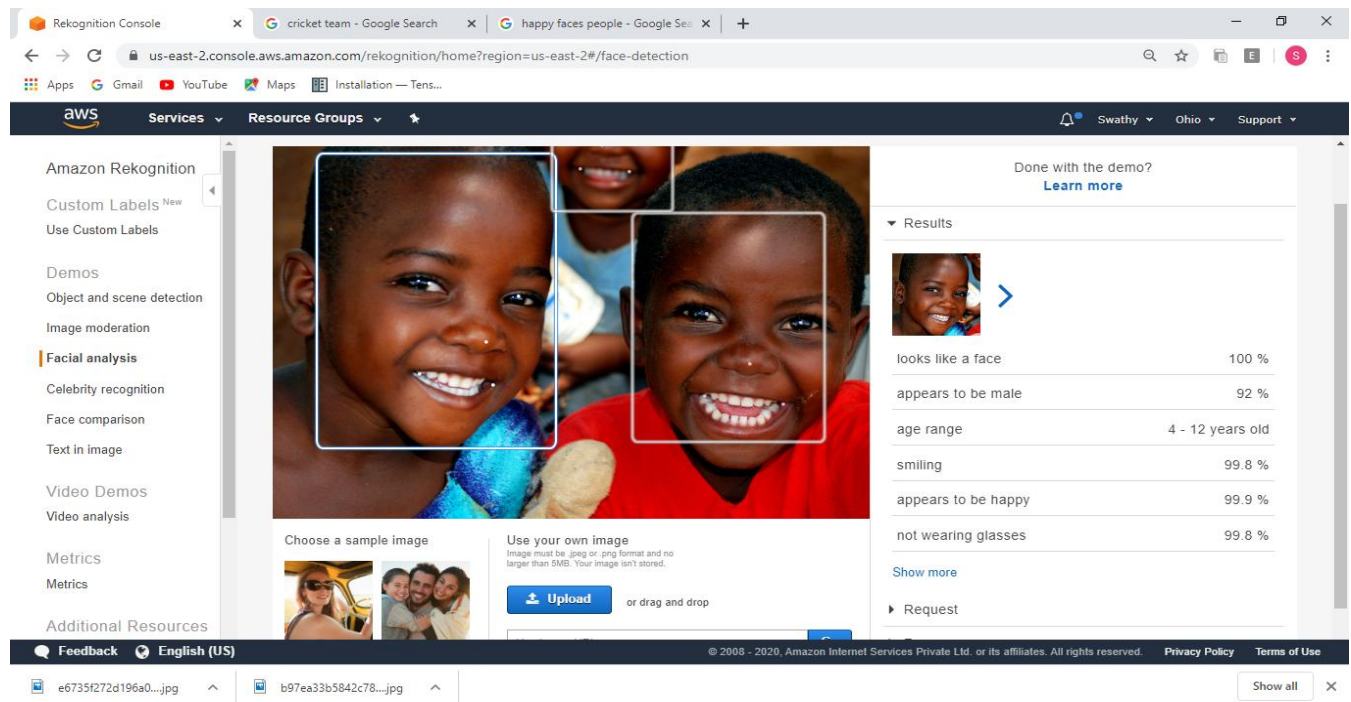
5. Checking the S3 link on the browser



Hi, this is swathy, i am pursuing my Mtech software engineering in VIT university.

Screenshots needed for Rekognition

1. Face Detect



Amazon Rekognition Console

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

Services Resource Groups

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

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

Results

Human	99.4 %
Person	99.4 %
Apparel	89.4 %
Clothing	89.4 %
People	83.6 %
Boy	76.4 %

Show more

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.

Upload or drag and drop

Use image URL

Go

2. Face Compare

Amazon Rekognition Console

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

Services Resource Groups

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)

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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

99.2 %

Request

Response

722216-sidharth1.jpg

Sidharth-Malhotra...jpg

varun.jpg

e6735f272d196a0...jpg

b97ea33b5842c78...jpg

Show all

3. Celebrity Recognition

The screenshot shows the AWS Rekognition Console interface for the Celebrity Recognition demo. The left sidebar lists various services, with 'Celebrity recognition' highlighted. The main area displays a sample image of a man's face with a blue bounding box. Below the image, there are options to 'Choose a sample image' (showing thumbnails of Amazon and another person) or 'Use your own image' (with an 'Upload' button and a text field for 'Use image URL'). The right panel, titled 'Results', shows a match for 'Varun Dhawan' with a 'Match confidence' of 100%. It also includes sections for 'Request' and 'Response' details. The bottom of the console shows a list of uploaded images: 'varun.jpg', 'e6735f272d196a0...jpg', and 'b97ea33b5842c78...jpg'.

4. Text in Image

The screenshot shows the AWS Rekognition Console interface for the Text in Image demo. The left sidebar lists various services, with 'Text in image' highlighted. The main area displays a sample image of a laptop screen with the text 'JUST Smile AND BE Happy'. The right panel, titled 'Results', shows the detected text: 'Smile | JuST | Happy | AND | BE |'. It also includes sections for 'Request' and 'Response' details. The bottom of the console shows a list of uploaded images: 'smile.jpg', 'text.jpg', '722216-sidharth1.jpg', 'Sidharth-Malhotra...jpg', and 'varun.jpg'.

1. Installing aws-sdk

```

ec2-user@ip-172-31-2-189:~$ curl -I http://www.html5face.com
--2020-03-31 15:28:14-- http://memory_limit=-1/
Resolving memory_limit=-1 (memory_limit=-1)... failed: Name or service not known
.
wget: unable to resolve host address 'memory_limit=-1'
URI encoding = 'UTF-8'
/home/ec2-user/composer.phar: Scheme missing.
URI encoding = 'UTF-8'
Converted file name 'index.html' (UTF-8) -> 'index.html' (UTF-8)
Converted file name 'index.html' (UTF-8) -> 'index.html' (UTF-8)
--2020-03-31 15:28:14-- http://require/
Resolving require (require)... failed: Name or service not known.
wget: unable to resolve host address 'require'
URI encoding = 'UTF-8'
Converted file name 'aws-sdk-php' (UTF-8) -> 'aws-sdk-php' (UTF-8)
Converted file name 'aws-sdk-php' (UTF-8) -> 'aws-sdk-php' (UTF-8)
--2020-03-31 15:28:14-- http://aws/aws-sdk-php
Resolving aws (aws)... failed: Name or service not known.
wget: unable to resolve host address 'aws'
[ec2-user@ip-172-31-2-189 face]$ sudo php -d memory_limit=-1 ~/composer.phar req
uire aws/aws-sdk-php

Using version ^2.8 for aws/aws-sdk-php
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
  - Installing symfony/event-dispatcher (v2.8.52): Loading from cache
  - 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-openssl (Allows service description opcode c
aching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HT
TP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write man
ifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/gu
zle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-2-189 face]$

```

```

Generating autoload files
[ec2-user@ip-172-31-2-189 face]$
[ec2-user@ip-172-31-2-189 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-31 15:30:36-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 23.62.24.79, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)|23.62.24.79|: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

2020-03-31 15:30:36 (5.53 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [
215551/215551]

[ec2-user@ip-172-31-2-189 face]$

```

2. Installing php

The screenshot shows the AWS Management Console interface. A terminal window is open on an EC2 instance named 'ec2-user@ip-172-31-2-189'. The terminal output shows the user logging in, authenticating with a public key, and running the command 'sudo yum install php'. The output indicates that the package is already installed and the latest version is present. The console also shows the instance's state as 'running' and its IPv4 Public IP as '52.14.126.200'.

```

aws
Instances | EC2 Management Console | 7-Day Free Masterclass | Day 6 - | Downloads
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instancetype
AWS Services | Resource Groups |
New EC2 Experience | Launch Instance | Connect | Actions
Tell us what you think
EC2 Dashboard | ec2-user@ip-172-31-2-189:~
Events | login as: ec2-user
Tags | Authenticating with public key "imported-openssh-key"
Last login: Wed Apr 1 07:44:10 2020 from 42.109.148.13
Reports |
Limits | Amazon Linux 2 AMI
INSTANCES | https://aws.amazon.com/amazon-linux-2/
Instance | 1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-2-189 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB | 00:00
Spot Request | Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-2-189 ~]$

Instance state: running
Instance type: t2.micro
IPv4 Public IP: 52.14.126.200

```

3. index.php file code

```
ec2-user@ip-172-31-35-203:/var/www/html/face
In case if you get memory error -
sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
sudo /sbin/mkswap /var/swap.1
sudo /sbin/swapon /var/swap.1

sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg

//
error_reporting(0);

require_once(__DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-webinar-swa2';
$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;
}

"
```

4. Upload success screenshot

```
[ec2-user@ip-172-31-35-203 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s
.jpg
[ec2-user@ip-172-31-35-203 face]$ ls
composer.json  composer.lock  index.php  sample.jpg  s.jpg  vendor
[ec2-user@ip-172-31-35-203 face]$ sudo vim index.php
[ec2-user@ip-172-31-35-203 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-webinar-swa2.s3.us-east-2.amaz
[ec2-user@ip-172-31-35-203 face]$
```

ec2-user@ip-172-31-35-203:/var/www/html/face

Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar

Use it: php composer.phar

[ec2-user@ip-172-31-35-203 ~]\$ cd /var/www/html

[ec2-user@ip-172-31-35-203 html]\$ sudo mkdir face

mkdir: cannot create directory 'face': File exists

[ec2-user@ip-172-31-35-203 html]\$ cd face

[ec2-user@ip-172-31-35-203 face]\$ pwd

/var/www/html/face

[ec2-user@ip-172-31-35-203 face]\$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php

Using version ^2.8 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-172-31-35-203 face]\$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg

--2020-04-03 07:10:49-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg

Resolving i.pinimg.com (i.pinimg.com)... 151.101.248.84, 2600:1408:20:ab3::1931, 2600:1408:20:aba::1931, ...

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

2020-04-03 07:10:49 (4.59 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-35-203 face]\$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg

[ec2-user@ip-172-31-35-203 face]\$ ls

composer.json composer.lock index.php sample.jpg s.jpg vendor

[ec2-user@ip-172-31-35-203 face]\$ sudo vim index.php

[ec2-user@ip-172-31-35-203 face]\$ sudo php index.php

Image upload done... Here is the URL: https://aws-webinar-swa2.s3.us-east-2.amazonaws.com

[ec2-user@ip-172-31-35-203 face]\$

IMAGE UPLOAD DONE

The screenshot shows the AWS S3 Management Console interface. The browser address bar displays the URL `s3.console.aws.amazon.com/s3/buckets/aws-webinar-swa/?region=us-east-2`. The console header includes the AWS logo, navigation links for Services, Resource Groups, and a search bar. The breadcrumb trail indicates the current location is `Amazon S3 > aws-webinar-swa`.

The bucket name `aws-webinar-swa` is prominently displayed. Below it, a tabbed interface allows switching between Overview, Properties, Permissions, Management, and Access points. The Overview tab is active.

A search bar is provided for finding objects. Below the search bar, action buttons for Upload, Create folder, Download, and Actions are visible. The region is set to `US East (Ohio)`.

A table lists the objects in the bucket:

Viewing 1 to 2			
<input type="checkbox"/> Name ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/> index.html	Mar 31, 2020 1:38:24 AM GMT-0700	82.0 B	Standard
<input type="checkbox"/> s.jpg	Apr 2, 2020 8:11:29 PM GMT-0700	210.5 KB	Standard

At the bottom of the table, it indicates `Viewing 1 to 2`.