

Ethnus - Codemithra

AWS Project

Done By:

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M.Tech - CS

VIT-Vellore

Screenshots needed for Dashboards

AWS Login screen with username:



Sign in

☒ **Root user**

Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☐ **IAM user**

User within an account that performs daily tasks. [Learn more](#)

Root user email address

helloharishs@gmail.com

Next

[New to AWS?](#)

[Create a new AWS account](#)



About Amazon.com Sign In

Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our

EC2 Dashboard

The screenshot displays the AWS EC2 Management Console interface. At the top, a blue banner welcomes users to the new EC2 console. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, and IMAGES. The main content area, titled 'EC2', shows a 'Resources' section with a table of counts for various Amazon EC2 resources in the US East (Ohio) Region. To the right, there are sections for 'Account attributes' and 'Explore AWS'. A footer bar at the bottom includes a feedback link, language selection (English (US)), and copyright information.

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	1
Security groups	2
Placement groups	0

Account attributes

- Supported platforms
 - VPC
- Default VPC
 - vpc-bee212d5
- Console experiments
- Settings

Explore AWS

Save up to 90% on EC2 with [Savings Plans](#)

Go to Settings to activate Windows.

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*Note: I created an aws account for DBMS project before and used the same for this project, so my accounts user name is DBMS.

S3 Dashboard

The screenshot displays the Amazon S3 Management Console in a web browser. The browser's address bar shows the URL `https://s3.console.aws.amazon.com/s3/home?region=ap-south-1#`. The console header includes the AWS logo, navigation links for Services, Resource Groups, and a user profile icon. The left sidebar lists S3-related features: Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight (with a notification badge). The main content area, titled 'Amazon S3', shows 'Buckets (1)' with a search bar and pagination controls. A table lists the bucket details:

	Name	Region	Access	Bucket created
<input type="radio"/>	ethanus-aws-webinar	US East (Ohio) us-east-2	Objects can be public	2020-03-30T09:45:16.000Z

At the bottom of the console, there is an 'Activate Windows' watermark and a footer with 'Feedback', 'English (US)', and copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

Rekognition Dashboard

The screenshot shows the Amazon Rekognition console in a web browser. The browser's address bar displays the URL `https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#`. The AWS navigation bar at the top includes the AWS logo, 'Services', 'Resource Groups', and a user profile for 'DBMS' in 'Ohio'. The left sidebar contains the 'Amazon Rekognition' header and a menu with options like 'Custom Labels', 'Demos', 'Video Demos', and 'Metrics'. The main content area features a large hero section with the title 'Amazon Rekognition', a subtitle 'Deep learning-based visual analysis service', and a description 'Search, verify, and organize millions of images and videos'. Below this are buttons for 'Try Demo' and 'Download SDKs'. The bottom section highlights three key features: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. A 'Feedback' button and 'English (US)' language selector are in the bottom left, while copyright information and links to 'Privacy Policy' and 'Terms of Use' are in the bottom right.

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

Continuously Learning
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously

Integrated with AWS Services
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon

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Screenshots needed for EC2

Choosing an AMI

The screenshot shows the AWS Management Console's 'Launch instance wizard' for EC2. The browser address bar shows the URL: <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInst:>. The wizard progress bar indicates the current step is '1. Choose AMI'. The main heading is 'Step 1: Choose an Amazon Machine Image (AMI)'. Below the heading, a description states: '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.' A search bar is provided with the placeholder text 'Search for an AMI by entering a search term e.g. "Windows"'. The 'Quick Start' section on the left lists 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. The main content area displays two AMI options:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab86a26e (64-bit Arm). This AMI is 'Free tier eligible'. It includes details about five years of support, Linux kernel 4.14, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages. It specifies 'Root device type: ebs', 'Virtualization type: hvm', and 'ENA Enabled: Yes'. There are radio buttons for '64-bit (x86)' (selected) and '64-bit (Arm)'. A 'Select' button is present.
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8. This AMI is also 'Free tier eligible'. It describes the image as EBS-backed and AWS-supported, including AWS command line tools, Python, Ruby, Perl, and Java. It lists repositories for Docker, PHP, MySQL, PostgreSQL, and other packages. It also specifies 'Root device type: ebs', 'Virtualization type: hvm', and 'ENA Enabled: Yes'. A 'Select' button is present.

At the bottom right, there is a 'Activate Windows' watermark with the text 'Go to Settings to activate Windows.' The footer of the console shows 'Feedback', 'English (US)', and copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

Choosing an Instance Type

The screenshot shows the AWS Management Console interface for the EC2 Launch Wizard. The browser tabs include 'Launch instance wizard | EC2', '(23) 7-Day Free Masterclass', and 'how to paste in vim putty - Go'. The address bar shows the URL: <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInst>. The navigation bar shows 'aws', 'Services', 'Resource Groups', and a user profile for 'DBMS' in 'Ohio' with a 'Support' link.

The wizard progress bar shows seven steps: 1. Choose AMI, 2. Choose Instance Type (active), 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 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
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes

Buttons: [Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

Go to Settings to activate Windows.

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Taskbar: Windows Start button, Search, Task View, File Explorer, Edge, Chrome, Firefox, and system tray showing time 02:08 PM and date 30-03-2020.

Adding Storage

Launch instance wizard | EC2 | X

(23) 7-Day Free Masterclass | D | X

how to paste in vim putty - Go | X

+

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

aws Services Resource Groups DBMS 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 <small>i</small>	Device <small>i</small>	Snapshot <small>i</small>	Size (GiB) <small>i</small>	Volume Type <small>i</small>	IOPS <small>i</small>	Throughput (MB/s) <small>i</small>	Delete on Termination <small>i</small>	Encryption <small>i</small>
Root	/dev/xvda	snap-0f54692056aaa4c20	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypt <small>v</small>

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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02:10 PM 30-03-2020

Configuring Security Group

The screenshot shows the AWS Management Console interface during the 'Configure Security Group' step of the EC2 Launch Wizard. The browser tabs include 'Launch instance wizard | EC2', '(23) 7-Day Free Masterclass | D', and 'how to paste in vim putty - Go'. The address bar shows the URL: <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInst>. The navigation bar shows 'Services' and 'Resource Groups'. The wizard progress bar indicates steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group (active), and 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
HTTP	TCP	80	Custom 0.0.0.0, ::/0	e.g. SSH for Admin Desktop

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.

Go to Settings to activate Windows.

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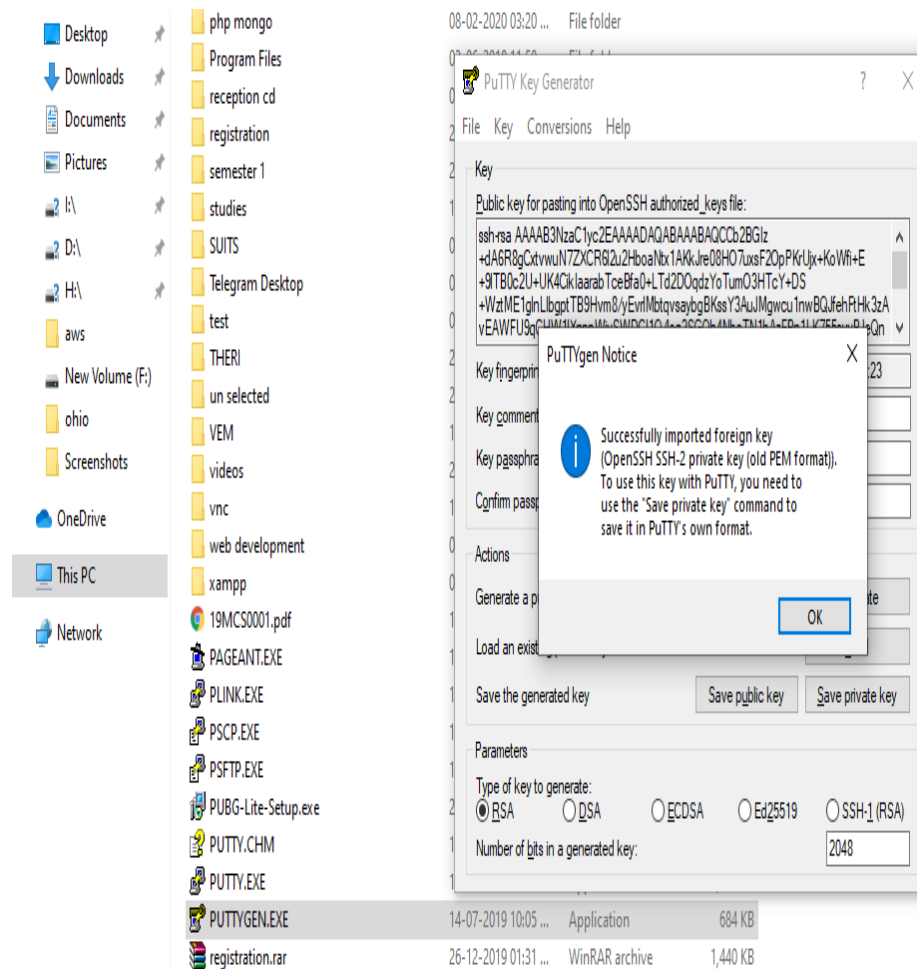
02:11 PM 30-03-2020

Key Pair Download

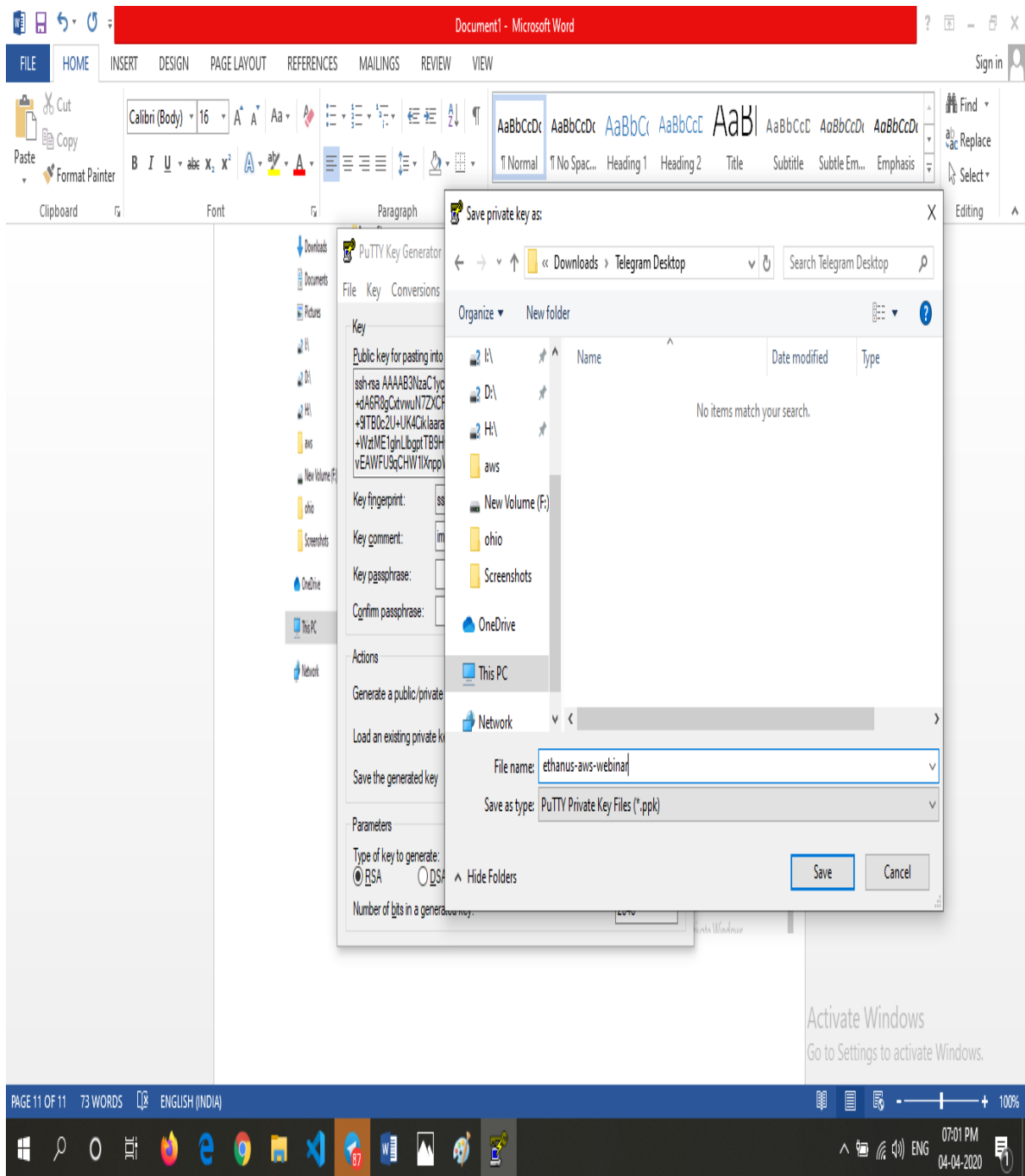
The screenshot shows a Windows File Explorer window titled 'Downloads'. The address bar indicates the path: 'This PC > Local Disk (C:) > Users > Harish S > Downloads'. The left sidebar shows 'Quick access' with links to Desktop, Downloads, Documents, Pictures, and OneDrive. The main pane displays a list of files and folders, grouped by time: 'Today (2)', 'Earlier this week (4)', and 'Last week (4)'. The file 'ethanus-aws-webinar.pem' is highlighted in blue.

Name	Date modified	Type	Size
Today (2)			
Screenshot_2020-04-04 Amazon Web Services Sign-In.png	04-04-2020 05:02 PM	PNG File	187 KB
Telegram Desktop	04-04-2020 04:49 PM	File folder	
Earlier this week (4)			
indexnew.php	30-03-2020 04:31 PM	PHP Source File	2 KB
index(1).html	30-03-2020 03:18 PM	Chrome HTML Do...	1 KB
ethanus-aws-webinar.ppk	30-03-2020 02:39 PM	PPK File	2 KB
ethanus-aws-webinar.pem	30-03-2020 02:12 PM	PEM File	2 KB
Last week (4)			
document.pdf	25-03-2020 12:30 PM	Chrome HTML Do...	517 KB
GuviCertification - 9F71588USqE58e1519.pdf	25-03-2020 12:30 PM	Chrome HTML Do...	517 KB
mongo-php-library-master.zip	23-03-2020 06:07 PM	WinRAR ZIP archive	834 KB
Compressed	29-03-2020 12:38 AM	File folder	

PuTTYgen conversion from pem to ppk



Activate Windows



Logged in EC2 black screen

The screenshot shows a YouTube video player with a terminal window overlaid. The terminal window displays the following text:

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

  _ _ _ _ _
 _ _ _ _ _ / Amazon Linux 2 AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-30-131 ~]$
```

The video player interface includes a progress bar at 48:49 / 1:11:13. The sidebar on the right lists recommended videos:

- 7-Day Free Masterclass | Day 1 - Time and Work Shortcuts by Ethnus Codemithra (7.5K views, Streamed 1 week ago)
- Event listeners in javascript by Hitesh Choudhary (Recommended for you)
- 7-Day Free Masterclass | Day 3 - Permutation & Combination by Ethnus Codemithra (3.6K views, Streamed 5 days ago)
- Introduction | Building a Face-Detection App on AWS Cloud by Ethnus Codemithra (13K views, Streamed 1 week ago)
- Advance form validation in javascript by Hitesh Choudhary

Screenshots needed for S3

Creating a bucket

The screenshot shows the AWS S3 Management Console interface. The left sidebar contains the 'Amazon S3' menu with options like 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'. The main content area displays a notification: 'Successfully created bucket ethanus-aws-webinar'. Below this, a table lists the bucket details.

Amazon S3

Buckets (2) Copy ARN Empty Delete Create bucket

Search: ethanus-aws-webinar 1 match

Name	Region	Access	Bucket created
ethanus-aws-webinar	US East (Ohio) us-east-2	Not Public	2020-03-30T09:45:16.000Z

Activate Windows
Go to Settings to activate Windows.

Enabling Static Website

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes the AWS logo, 'Services', and 'Resource Groups'. The main content area displays a list of objects in a bucket. The 'index.html' file is selected, and a side panel on the right shows its details.

index.html

Download Copy path Select from

Latest version ▾

Overview

Key	index.html
Size	227.0 B
Expiration date	N/A
Expiration rule	N/A
ETag	4a97fb13b9cd82037b76c25f1833e55
Last modified	Mar 30, 2020 3:17:39 PM GMT+0530
Object URL	https://ethanus-aws-webinar.s3.us-east-2.amazonaws.com/index.html

Properties

Storage class	Standard
Encryption	None
Metadata	1
Tags	0

Operations 0 In progress 1 Success 0 Error

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The screenshot shows the 'Static website hosting' configuration page in the AWS S3 Management Console. The page is titled 'Static website hosting' and contains several sections for configuring the website.

Static website hosting

Endpoint : <http://ethanus-aws-webinar.s3-website.us-east-2.amazonaws.com>

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

Index document [?](#)

Error document [?](#)

Redirection rules (optional) [?](#)

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

Object-level logging

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

[Learn more](#)

☐ Disabled

Activate Windows
Go to Settings to activate Windows.

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Making the Object Public

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**
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.

Cancel Save

Activate Windows
Go to Settings to activate Windows.

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

☒ **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

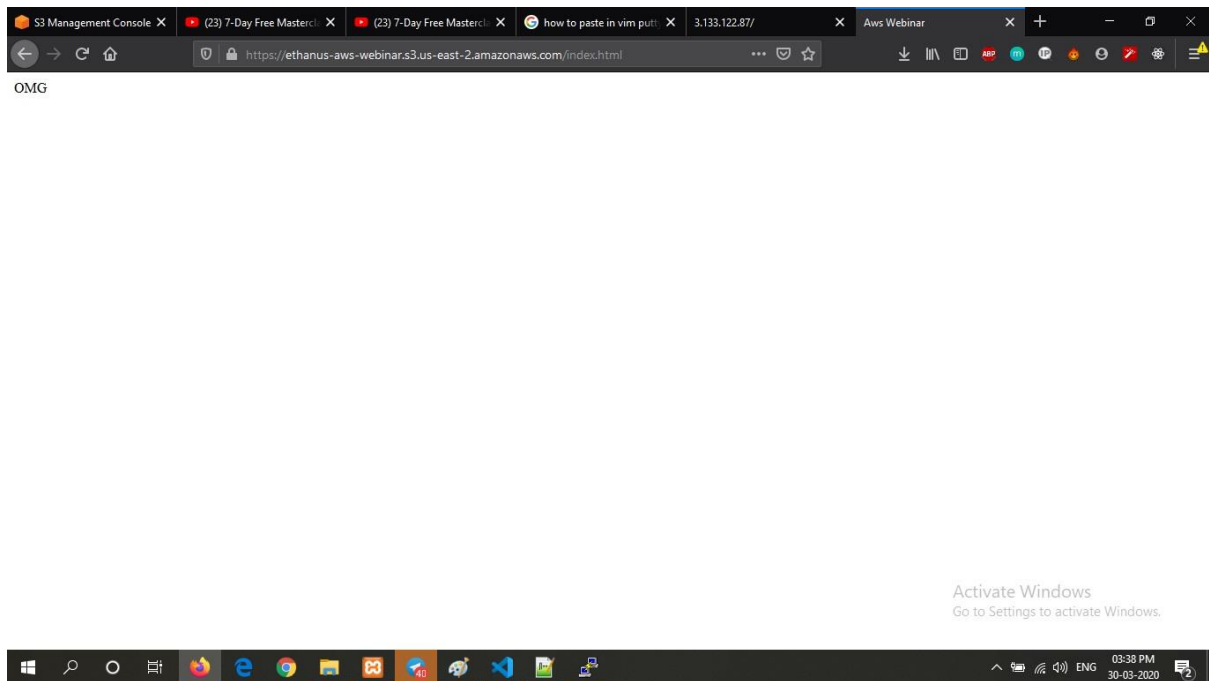
☒ **Block public access to buckets and objects granted through new public bucket or access point policies**
Off

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

Edit

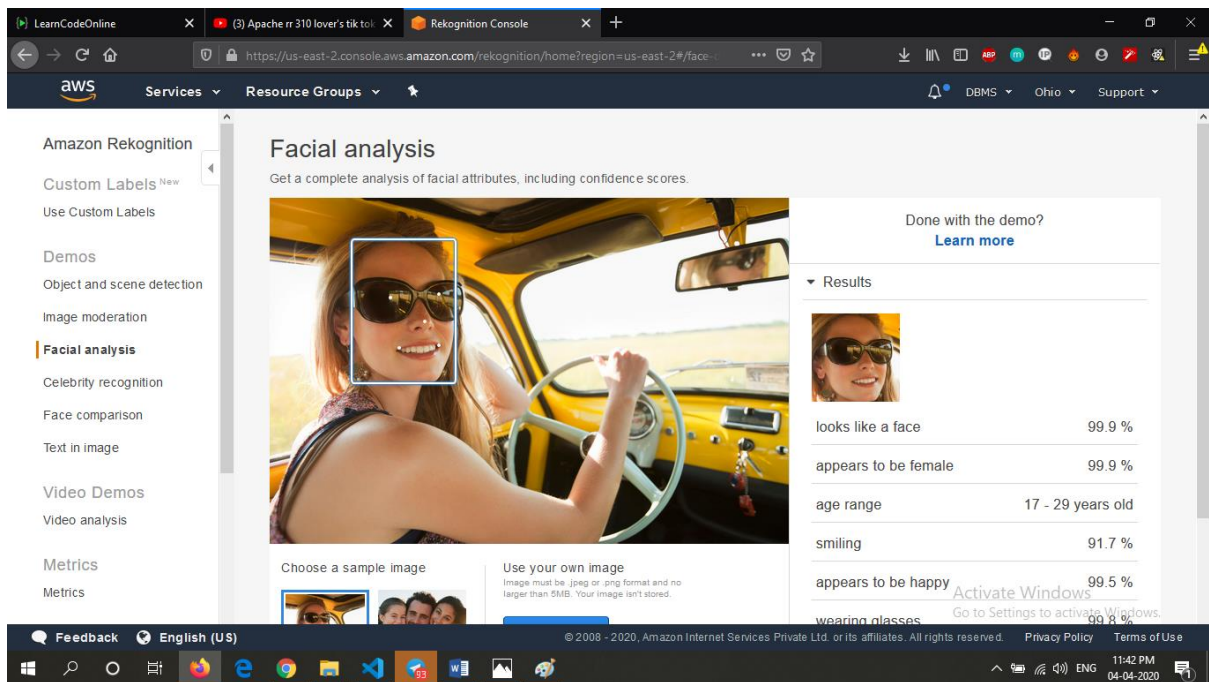
Activate Windows
Go to Settings to activate Windows.

Checking the S3 link on the browser



Screenshots needed for Rekognition

Face Detect



Face Compare

The screenshot shows the AWS Rekognition console's 'Face comparison' demo. The interface is divided into a left sidebar with navigation links and a main content area. The sidebar includes 'Amazon Rekognition', 'Custom Labels', 'Demos', 'Face comparison' (highlighted), 'Video Demos', and 'Metrics'. The main content area has a title 'Face comparison' and a subtitle 'Compare faces to see how closely they match based on a similarity percentage.' It features two image upload sections: 'Reference face' and 'Comparison faces'. Below these are sample images of a young girl. To the right, the 'Results' section shows a comparison of two identical images with a similarity score of 99.8%. A 'Done with the demo? Learn more' link is also present. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 11:42 PM on 04-04-2020.

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 99.8 %

Activate Windows
Go to Settings to activate Windows.

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11:42 PM
04-04-2020

Celebrity Recognition

The screenshot shows the AWS Rekognition console's 'Celebrity recognition' demo. The interface is similar to the Face comparison demo, with a left sidebar and a main content area. The sidebar highlights 'Celebrity recognition'. The main content area has a title 'Celebrity recognition' and a subtitle 'Rekognition automatically recognizes celebrities in images and provides confidence scores.' It features an image upload section with a sample image of a man. To the right, the 'Results' section shows the recognized celebrity as 'Andy Jassy' with a match confidence of 100%. A 'Done with the demo? Learn more' link is also present. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 11:44 PM on 04-04-2020.

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

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides 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

Andy Jassy

Match confidence 100 %

Request

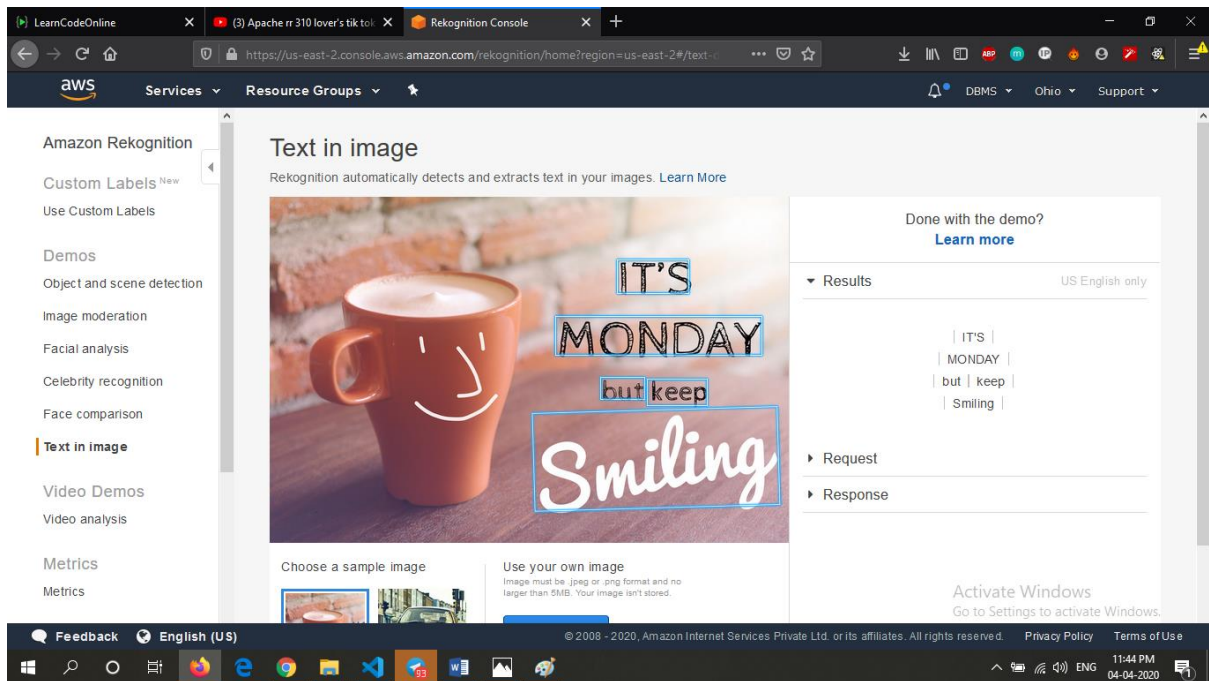
Response

Activate Windows
Go to Settings to activate Windows.

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11:44 PM
04-04-2020

Text in Image



Screenshots needed for EC2 & S3

Installing aws-sdk

```
ec2-user@ip-172-31-5-230:/var/www/html/face
ser/composer.phar/vendor/symfony/console/Application.php on line 952

[ErrorException]
proc_open(): fork failed - Cannot allocate memory

require [--dev] [--prefer-source] [--prefer-dist] [--fixed] [--no-progress] [--n
o-suggest] [--no-update] [--no-scripts] [--update-no-dev] [--update-with-depende
ncies] [--update-with-all-dependencies] [--ignore-platform-reqs] [--prefer-stabl
e] [--prefer-lowest] [--sort-packages] [-o|--optimize-autoloader] [-a|--classmap
-authoritative] [--apcu-autoloader] [--] [<packages>]...

[ec2-user@ip-172-31-5-230 face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M
count=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB) copied, 13.4308 s, 79.9 MB/s
[ec2-user@ip-172-31-5-230 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: /var/swap.1: insecure permissions 0644, 0600 suggested.
Setting up swapspace version 1, size = 1024 MiB (1073737728 bytes)
no label, UUID=f2da6539-cela-47f4-928b-d8d39923d8b5
[ec2-user@ip-172-31-5-230 face]$ sudo /sbin/swap on /var/swap.1
swap on: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-5-230 face]$
```



```
ec2-user@ip-172-31-5-230:/var/www/html/face
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
zzle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-5-230 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/
a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-30 10:18:52-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c78
94b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.248.84, 2600:1408:20:aa0::1931,
2600:1408:20:aa3::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 0.05s

2020-03-30 10:18:52 (4.41 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [
215551/215551]

[ec2-user@ip-172-31-5-230 face]$
```

Installing php

```
ec2-user@ip-172-31-5-230:~
Total 21 MB/s | 4.7 MB 00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : libzip010-compat-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 : libzip010-compat-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:
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
  php-cli.x86_64 0:5.4.16-46.amzn2.0.2
  php-common.x86_64 0:5.4.16-46.amzn2.0.2

Complete!
[ec2-user@ip-172-31-5-230 ~]$
```

index.php file code

```
ec2-user@ip-172-31-5-230:/var/www/html/face
<?php
/*
install php - sudo yum install php
curl -sS https://getcomposer.org/installer | php
cd /var/www/html
sudo mkdir face
cd face
sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php

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

in case if you are getting any class NOT found error, follow these steps

sudo yum remove php*
sudo yum remove httpd*
sudo yum clean all
sudo yum upgrade -y
sudo amazon-linux-extras install php7.2
sudo yum install php-json php-xml php-cli php-mbstring
sudo yum install httpd
*/
// error_reporting(0);

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

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

$bucket = 'ethanus-aws-webinar';
$keyname = 'sample.jpg';

$s3 = new S3Client([
    'region' => 'us-east-2',
    'version' => 'latest'
]);

// Upload the image to S3
$result = $s3->upload([
    'Bucket' => $bucket,
    'Key' => $keyname,
    'Body' => fopen('sample.jpg', 'r')
]);

// Get the URL of the uploaded image
$url = "https://s3.amazonaws.com/" . $bucket . "/" . $keyname;

// Output the URL
echo $url;

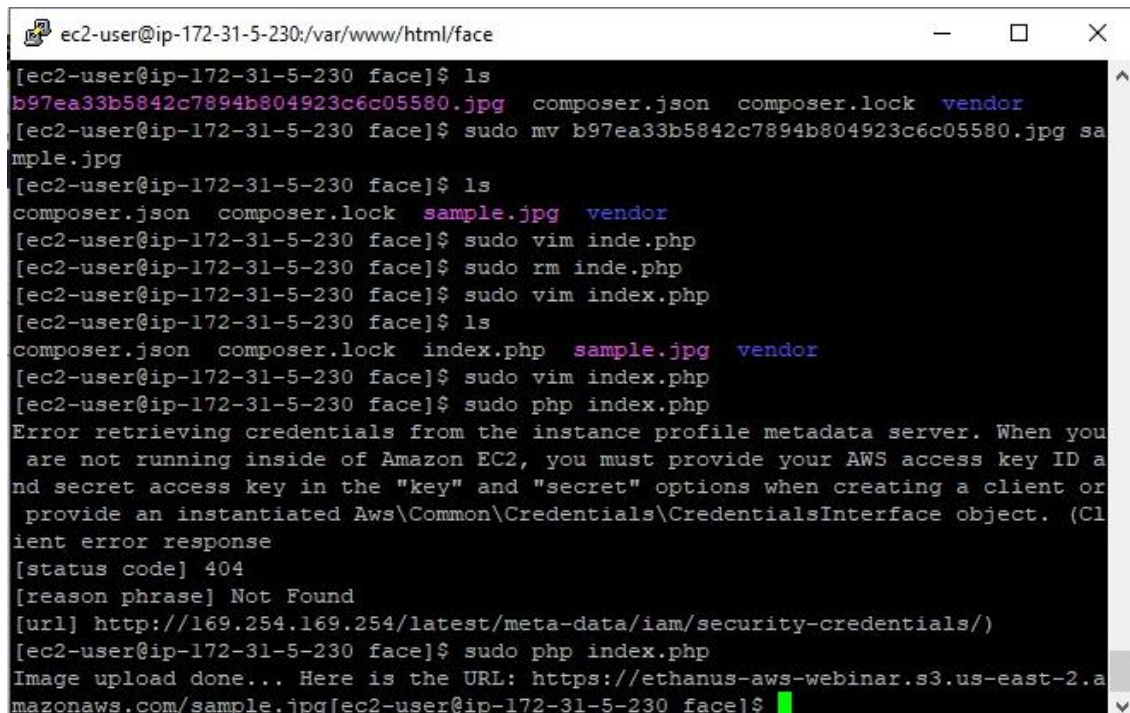
```

Upload success screenshot

```
ec2-user@ip-172-31-5-230:/var/www/html/face
[ec2-user@ip-172-31-5-230 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.json composer.lock vendor
[ec2-user@ip-172-31-5-230 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg
[ec2-user@ip-172-31-5-230 face]$ ls
composer.json composer.lock sample.jpg vendor
[ec2-user@ip-172-31-5-230 face]$ sudo vim index.php
[ec2-user@ip-172-31-5-230 face]$ sudo rm index.php
[ec2-user@ip-172-31-5-230 face]$ sudo vim index.php
[ec2-user@ip-172-31-5-230 face]$ ls
composer.json composer.lock index.php sample.jpg vendor
[ec2-user@ip-172-31-5-230 face]$ sudo vim index.php
[ec2-user@ip-172-31-5-230 face]$ sudo php index.php
Image upload done... Here is the URL: https://ethanus-aws-webinar.s3.us-east-2.amazonaws.com/sample.jpg
[ec2-user@ip-172-31-5-230 face]$
```

Screenshots needed for EC2 & Rekognition

Face Detect success screenshot



```
ec2-user@ip-172-31-5-230:/var/www/html/face
[ec2-user@ip-172-31-5-230 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg  composer.json  composer.lock  vendor
[ec2-user@ip-172-31-5-230 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg
[ec2-user@ip-172-31-5-230 face]$ ls
composer.json  composer.lock  sample.jpg  vendor
[ec2-user@ip-172-31-5-230 face]$ sudo vim inde.php
[ec2-user@ip-172-31-5-230 face]$ sudo rm inde.php
[ec2-user@ip-172-31-5-230 face]$ sudo vim index.php
[ec2-user@ip-172-31-5-230 face]$ ls
composer.json  composer.lock  index.php  sample.jpg  vendor
[ec2-user@ip-172-31-5-230 face]$ sudo vim index.php
[ec2-user@ip-172-31-5-230 face]$ sudo php index.php
Error retrieving credentials from the instance profile metadata server. When you
are not running inside of Amazon EC2, you must provide your AWS access key ID a
nd secret access key in the "key" and "secret" options when creating a client or
provide an instantiated Aws\Common\Credentials\CredentialsInterface object. (Cl
ient error response
[status code] 404
[reason phrase] Not Found
[url] http://169.254.169.254/latest/meta-data/iam/security-credentials/)
[ec2-user@ip-172-31-5-230 face]$ sudo php index.php
Image upload done... Here is the URL: https://ethanus-aws-webinar.s3.us-east-2.a
mazonaws.com/sample.jpg[ec2-user@ip-172-31-5-230 face]$
```