

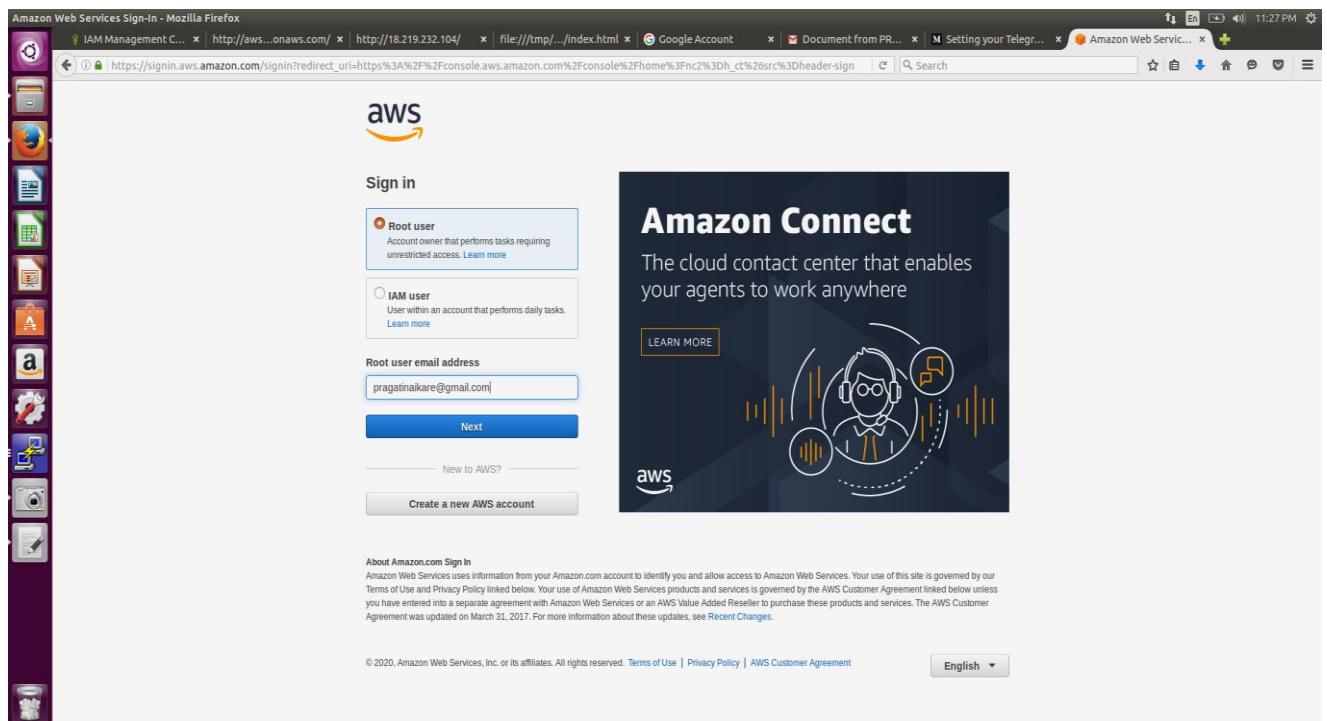
Building A Face Detection App on AWS

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*I have attached all screenshot below

1.AWS

1.1AWS Login screen with username



The screenshot shows the AWS Management Console homepage. On the left is a vertical toolbar with icons for various services like S3, IAM, Lambda, and CloudWatch. The main content area has a header "AWS Management Console". Below it is a "AWS services" section with a search bar and a "Find Services" input field. Underneath is a "Recently visited services" list with items like S3, IAM, Amazon Rekognition, EC2, and VPC. There's also a "Build a solution" section with options like "Launch a virtual machine", "Build a web app", "Build using virtual servers", and "Register a domain". To the right, there are sections for "Access resources on the go", "Explore AWS" (including Amazon CloudWatch, Free Digital Training, AWS IQ, and Amazon EFS Infrequent Access), and a "CloudWatch Metrics" section.

1.2 EC2 Dashboard

The screenshot shows the EC2 Management Console dashboard. The left sidebar includes "New EC2 Experience", "EC2 Dashboard New", "INSTANCES", "IMAGES", "ELASTIC BLOCK STORE", and "NETWORK & SECURITY". The main area features a "Welcome to the new EC2 console!" message. Below it is a "Resources" summary table with counts for Running Instances (1), Elastic IPs (0), Dedicated Hosts (0), Snapshots (0), Volumes (1), Load balancers (0), Key pairs (3), Security groups (4), and Placement groups (0). A "Launch instance" button is available. To the right, there are sections for "Account attributes" (Supported platforms, Default VPC, Console experiments, Settings), "Explore AWS" (Easily launch third-party AMI products, Save with AMD EPYC-Powered EC2 instances, Optimize your EC2 cost and performance with Spot Instances), and "Service health" and "Availability Zone status" tables.

1.3 S3 Dashboard

The screenshot shows the AWS S3 Management Console in Mozilla Firefox. The left sidebar has a dark theme with various service icons. The main content area is titled 'Amazon S3' and shows a message about the console's update. Below it is a table titled 'Buckets (4)' with columns for Name, Region, Access, and Bucket created. The table lists four buckets:

Name	Region	Access	Bucket created
aws-key12	US East (Ohio) us-east-2	Not Public	2020-03-27T12:43:17.000Z
aws-web-pragatibucket	US East (Ohio) us-east-2	Objects can be public	2020-03-29T08:54:54.000Z
aws-webinae-bucket	US East (Ohio) us-east-2	Not Public	2020-03-29T08:51:33.000Z
aws-webinar-pragatibucket	US East (Ohio) us-east-2	Not Public	2020-03-29T08:52:32.000Z

1.4 Rekognition Dashboard

The screenshot shows the AWS Rekognition Console in Mozilla Firefox. The left sidebar has a dark theme with various service icons. The main content area is titled 'Amazon Rekognition' and describes it as a deep learning-based visual analysis service. It features sections for 'Try Demo' and 'Download SDKs'. Below this are three main sections: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. Each section contains descriptive text and small icons.

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 and accurate analysis available with easy to use APIs.

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 video analysis on streams coming from Amazon Kinesis Video Streams.

2. EC2

2.1 Choosing an AMI

The screenshot shows the 'Launch instance wizard' interface on the AWS Management Console. The title bar says 'Launch instance wizard | EC2 Management Console - Mozilla Firefox'. The URL is 'https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:'. The top navigation bar includes 'Services' and 'Resource Groups'. On the left, there's a sidebar with icons for various services like Lambda, S3, and CloudWatch. The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)'. It 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.' A search bar at the top right says 'Search for an AMI by entering a search term e.g. "Windows"'. Below it, there's a 'Quick Start' section with links to 'My AMIs', 'AWS Marketplace', 'Community AMIs', and 'Free tier only'. The main list displays several AMI options:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (radio buttons for 64-bit (x86) and 64-bit (Arm))
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bb008024c7a8 (64-bit x86)
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (radio buttons for 64-bit (x86) and 64-bit (Arm))
- Red Hat Enterprise Linux 8 (HVM), SSD Volume Type** - ami-0520e698d500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (radio buttons for 64-bit (x86) and 64-bit (Arm))
- 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: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (radio buttons for 64-bit (x86) and 64-bit (Arm))
- Ubuntu Server 18.04 LTS (HVM), SSD Volume Type** - ami-0fc20d11da406780b (64-bit x86) / ami-095e0ffreda156bf (64-bit Arm)
Ubuntu Server 18.04 LTS (HVM).EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).
Select button (radio buttons for 64-bit (x86) and 64-bit (Arm))

At the bottom, there are 'Feedback', 'English (US)', and copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

2.2 Choosing An Instance Type

The screenshot shows the 'Launch instance wizard' interface on the AWS Management Console, Step 2: Choose an Instance Type. The title bar and URL are the same as the previous screenshot. The main content area is titled 'Step 2: Choose an Instance Type'. It says '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.' Below this, there are filter options: 'Filter by: All instance types ▾ Current generation ▾ Show/Hide Columns'. The table lists various instance types under the 'Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)' category:

Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes

At the bottom, there are 'Cancel', 'Previous', 'Review and Launch' (highlighted in blue), and 'Next: Configure Instance Details' buttons. Copyright information at the bottom right includes '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

2.3 Adding Storage

The screenshot shows the AWS Launch Instance wizard Step 4: Add Storage page. The URL is <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:4>. The page title is "Step 4: Add Storage". It displays a table for adding storage volumes. A single row is present for the "Root" volume:

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

A note below the table states: "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." At the bottom right are buttons for "Cancel", "Previous", "Review and Launch", and "Next: Add Tags".

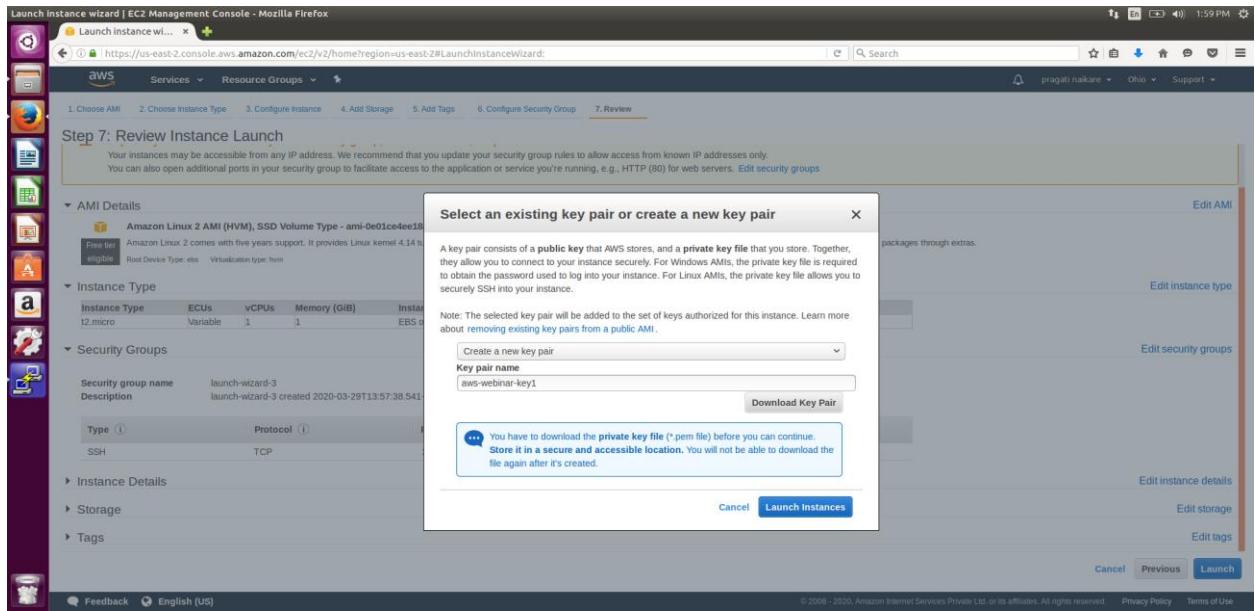
2.4 Configuring Security Group

The screenshot shows the AWS Launch Instance wizard Step 6: Configure Security Group page. The URL is <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:6>. The page title is "Step 6: Configure Security Group". It displays a table for configuring security group rules. One rule is listed:

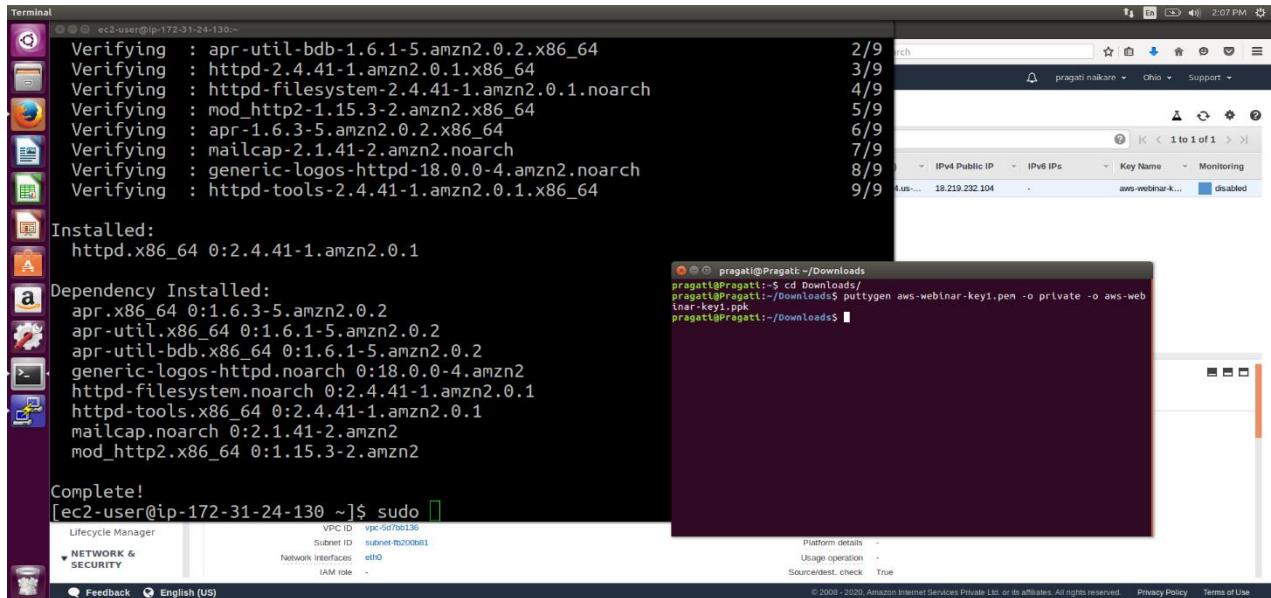
Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

A warning message in a yellow box states: "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." At the bottom right are buttons for "Cancel", "Previous", "Review and Launch", and "Next: Add Tags".

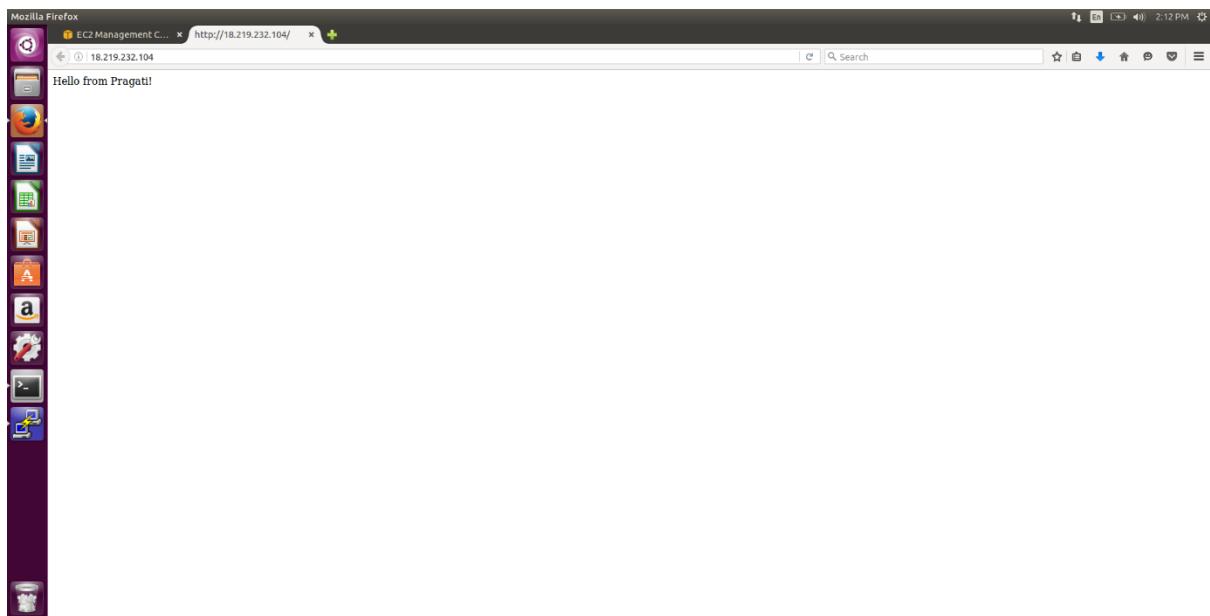
2.5 Key Pair Download



2.6 Puttygen conversion from pem to ppk

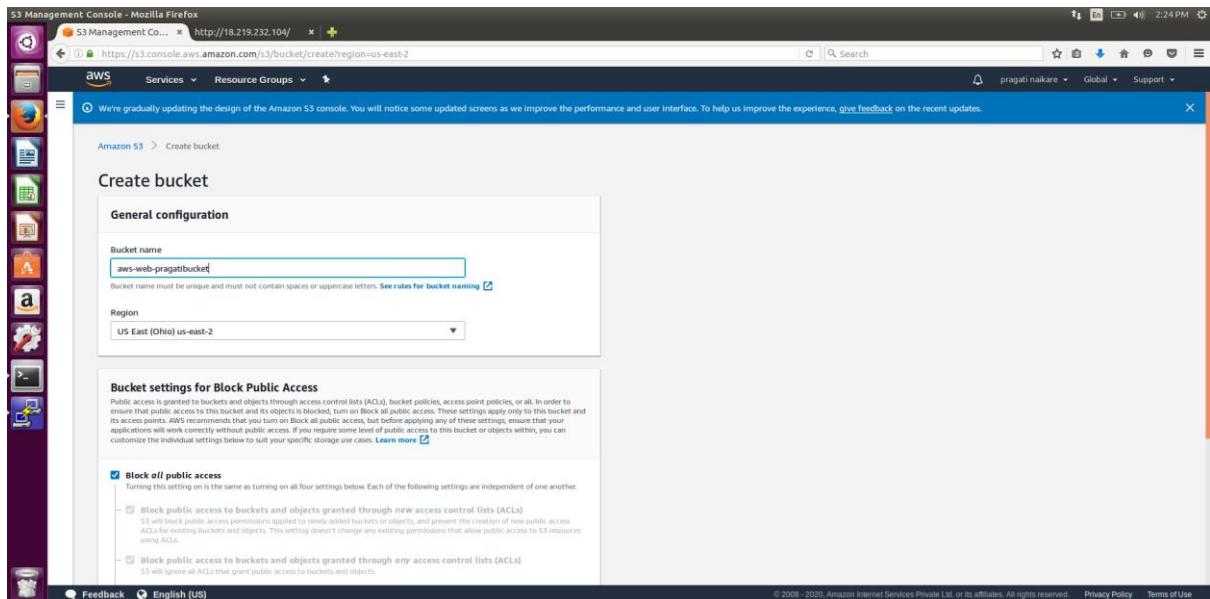


2.7 Logged in EC2 black screen



3. S3

3.1 Creating a bucket



S3 Management Console - Mozilla Firefox

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

Amazon S3 Services Resource Groups

Buckets

Successfully created bucket aws-web-pragatibucket

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 (4)

Q aws-web-pragati

Name Region Access Bucket created

aws-web-pragatibucket US East (Ohio) us-east-2 Not Public 2020-03-29T08:54:54.000Z

Copy ARN Empty Delete Create bucket

Feedback English (US)

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This screenshot shows the AWS S3 Management Console. A green banner at the top indicates that a bucket has been successfully created. The main area displays a table of buckets, with one entry for 'aws-web-pragatibucket'. The table includes columns for Name, Region, Access, and Bucket created. The bucket details show it was created in the US East (Ohio) region on March 29, 2020, at 08:54:54.000Z, and is set to 'Not Public' access.

3.2 Uploading an Object

S3 Management Console - Mozilla Firefox

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

Amazon S3 > aws-web-pragatibucket

aws-web-pragatibucket

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)

Name	Last modified	Size	Storage class
index.html	Mar 29, 2020 2:29:50 PM GMT+0530	40.0 B	Standard

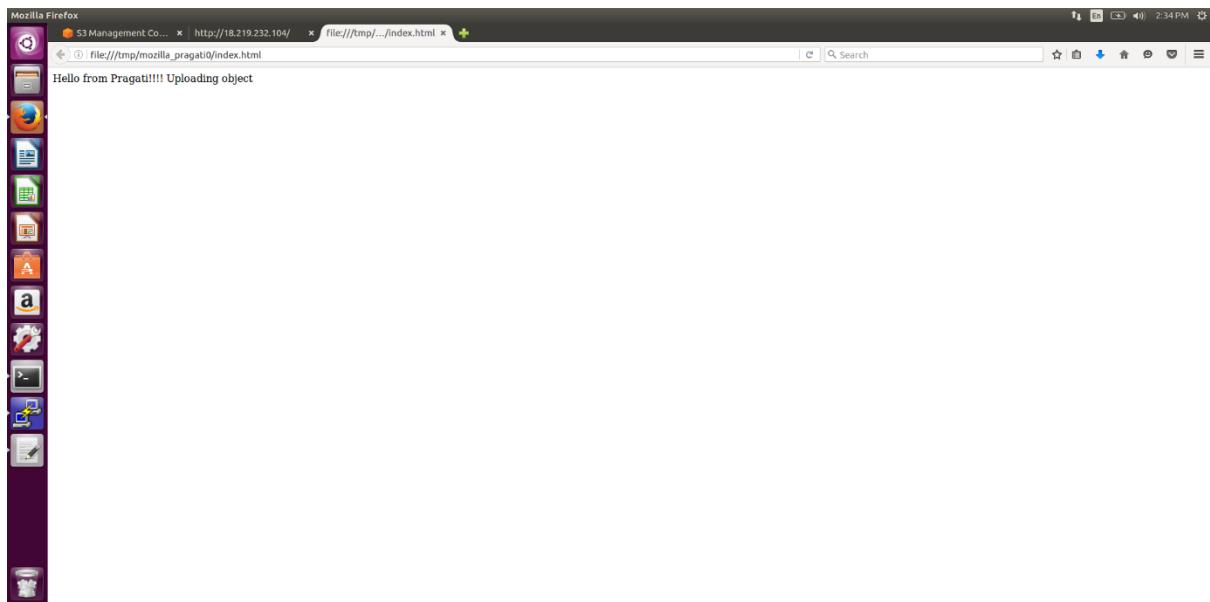
Viewing 1 to 1

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

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This screenshot shows the 'aws-web-pragatibucket' overview page in the AWS S3 console. It lists a single object named 'index.html' which was uploaded on March 29, 2020, at 2:29:50 PM GMT+0530. The object is 40.0 B in size and is stored in the 'Standard' storage class. The page also includes tabs for Overview, Properties, Permissions, Management, and Access points, along with standard navigation and search controls.



3.3 Enabling Static Website

A screenshot of the AWS S3 Management Console in Mozilla Firefox. The URL is 'https://s3.console.aws.amazon.com/s3/buckets/aws-web-pragatibucket/?region=us-east-2&tab=properties'. A modal dialog box titled 'Static website hosting' is open, containing fields for 'Index document' (set to 'index.html'), 'Error document' (set to 'error.html'), and 'Redirection rules (optional)'. Below these fields is a radio button for 'Redirect requests' which is currently disabled. At the bottom of the dialog are 'Cancel' and 'Save' buttons. In the background, the AWS navigation bar shows 'Services' and 'Resource Groups'. On the left, there's a sidebar with various AWS service icons. The bottom of the screen shows a footer with 'Default encryption' and 'Operations' status information.

S3 Management Console - Mozilla Firefox

53 Management Co... http://aws...onaws.com/ http://18.219.232.104/ file:///tmp/.../index.html Google Account Inbox (7,182)-prag... Document from PR... 12:32 AM

https://s3.console.aws.amazon.com/s3/buckets/aws-web-pragatibucket/?region=us-east-2&tab=properties

Services Resource Groups

Amazon S3 > aws-web-pragatibucket

aws-web-pragatibucket

Overview Properties Permissions Management Access points

Versioning Server access logging Static website hosting Object-level logging Default encryption

Keep multiple versions of an object in the same bucket. Set up access log records that provide details about access requests. Host a static website, which does not require server-side technologies. Record object-level API activity using the CloudTrail data events feature (additional cost). Automatically encrypt objects when stored in Amazon S3

Learn more Learn more Learn more Learn more Learn more

Disabled Disabled Bucket hosting Disabled Disabled

Advanced settings

Object lock Tags Transfer acceleration Events Requester pays

Prevent objects from being deleted. Use tags to track your cost against projects or other criteria. Enable fast, easy and secure transfers of files to and from your bucket. Receive notifications when specific events occur in your bucket. The requester (instead of the bucket owner) will pay for requests and data transfer.

Learn more Learn more Learn more Learn more Learn more

Feedback English (US)

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The screenshot shows the AWS S3 Management Console interface. The left sidebar has icons for various services like Lambda, CloudWatch, and CloudFront. The main content area shows the properties of the 'aws-web-pragatibucket'. Under the 'Properties' tab, there are several sections: 'Versioning' (disabled), 'Server access logging' (disabled), 'Static website hosting' (enabled, with 'Bucket hosting' checked), 'Object-level logging' (disabled), and 'Default encryption' (disabled). Below this, under 'Advanced settings', there are five more options: 'Object lock' (disabled), 'Tags' (disabled), 'Transfer acceleration' (disabled), 'Events' (disabled), and 'Requester pays' (disabled). At the bottom, there are links for 'Feedback', 'English (US)', and copyright information.

Mozilla Firefox

53 Management Co... http://aws...onaws.com/ http://aws...onaws.com/ http://18.219.232.104/ file:///tmp/.../index.html Google Account Inbox (7,182)-prag... Document from PR... 12:32 AM

aws-web-pragatibucket.s3-website.us-east-2.amazonaws.com

Hello from Pragati!!!! Uploading object

The screenshot shows a browser window with the URL 'aws-web-pragatibucket.s3-website.us-east-2.amazonaws.com'. The page displays the message 'Hello from Pragati!!!! Uploading object'. The browser's address bar also shows the full URL and tabs for the management console and other AWS services.

3.4 Making The Object Public

The screenshot shows the AWS S3 Management Console in Mozilla Firefox. The URL is https://s3.console.aws.amazon.com/s3/object/aws-web-pragatibucket/index.html?region=us-east-2&tab=overview. The page displays the following details for the file 'index.html':

- Owner:** e5b7a9433c17a228450abdad6530cd38b1cb1a625050ba31f7437c89d3478de8
- Last modified:** Mar 29, 2020 2:29:50 PM GMT+0530
- Etag:** 45e16951eb2c91b29ef49c18b72ca17
- Storage class:** Standard
- Server-side encryption:** None
- Size:** 40.0 B
- Key:** index.html
- Object URL:** https://aws-web-pragatibucket.s3.amazonaws.com/index.html

Below the details, there are buttons for Open, Download, Download as, Make public, and Copy path. The 'Permissions' tab is selected in the navigation bar.

The screenshot shows the AWS S3 Management Console in Mozilla Firefox. The URL is https://s3.console.aws.amazon.com/s3/buckets/aws-web-pragatibucket/?region=us-east-2&tab=permissions. The page displays the following settings for the bucket 'aws-web-pragatibucket':

- Block public access (bucket settings):** Public access is turned Off. A success message states "Public access settings updated successfully".
- Access Control List:** Off
- Bucket Policy:** Off
- CORS configuration:** Off

The 'Management' tab is selected in the navigation bar. At the bottom, it shows 0 In progress, 1 Success, and 0 Error operations.

3.5 Checking The S3 link On browser



4. Rekognition

4.1 Face Detect

A screenshot of the AWS Rekognition console in Mozilla Firefox. The title bar says "Rekognition Console - Mozilla Firefox". The address bar shows the URL "https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-detection". The left sidebar has a "Facial analysis" section selected, along with other options like "Custom Labels", "Object and scene detection", and "Image moderation". The main content area shows a "Facial analysis" section with a sub-section titled "Get a complete analysis of facial attributes, including confidence scores." It features a photograph of a woman wearing sunglasses and driving a yellow car, with a blue bounding box highlighting her face. Below the image are buttons for "Choose a sample image" and "Upload" or "or drag and drop". To the right, there's a "Results" section with a thumbnail of the woman, a "Done with the demo?" link, and a table of analysis results:

Attribute	Value	Confidence
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 %	

At the bottom, there are links for "Show more", "Request", and "Response". The Firefox interface includes a vertical toolbar on the left and a standard top navigation bar.

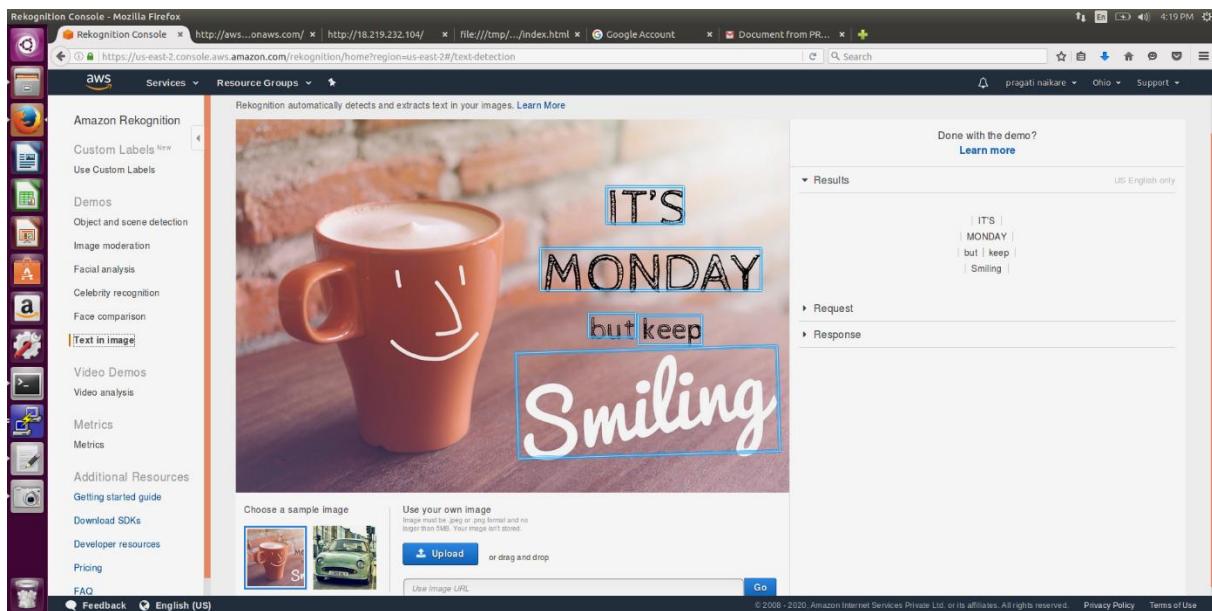
4.2 Face Compare

The screenshot shows the AWS Rekognition Face Comparison demo page. On the left sidebar, under the 'Amazon Rekognition' section, 'Face comparison' is selected. The main area displays two images: a 'Reference face' (a young girl smiling) and 'Comparison faces' (three girls laughing together). Below these are sections for 'Choose a sample image' and 'Use your own image'. To the right, a 'Results' panel shows a comparison between the reference face and each of the three girls in the comparison set, with a similarity score of 99.8% and a matching icon (=).

4.3 Celebrity Rekognition

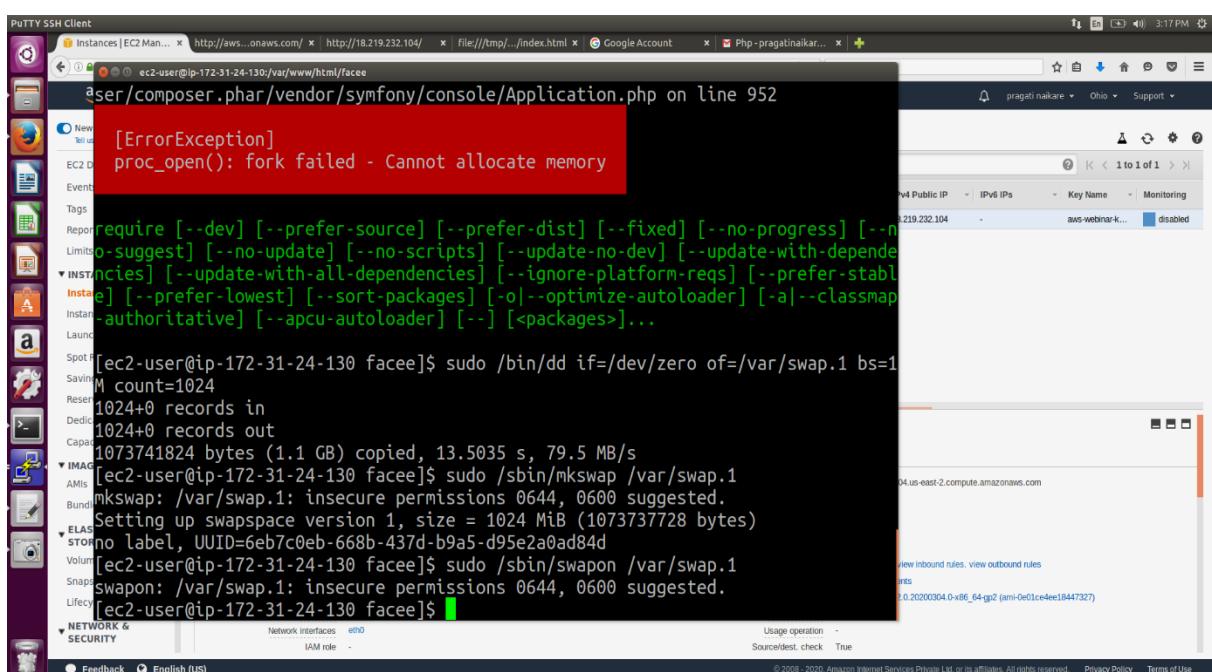
The screenshot shows the AWS Rekognition Celebrity Recognition demo page. The left sidebar shows 'Celebrity recognition' is selected. The main area displays a photo of Jeff Bezos with a blue bounding box around his face. Below it are sections for 'Choose a sample image' and 'Use your own image'. To the right, a 'Results' panel shows a match with 'Jeff Bezos' and a 'Match confidence' of 100%.

4.4 Text In Image



5 . EC2 AND S3

5.1 Installing Aws-sdk





```

PUTTY SSH Client
Instances | EC2 Man... x http://aws...onaws.com/ x http://18.219.232.104/ x file:///tmp/..._index.html x Google Account x Php-pragatinalakar...
ec2-user@ip-172-31-24-130:~/var/www/html$ ./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-apc (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-172-31-24-130 facee]$ 

```

5.2 Installing php

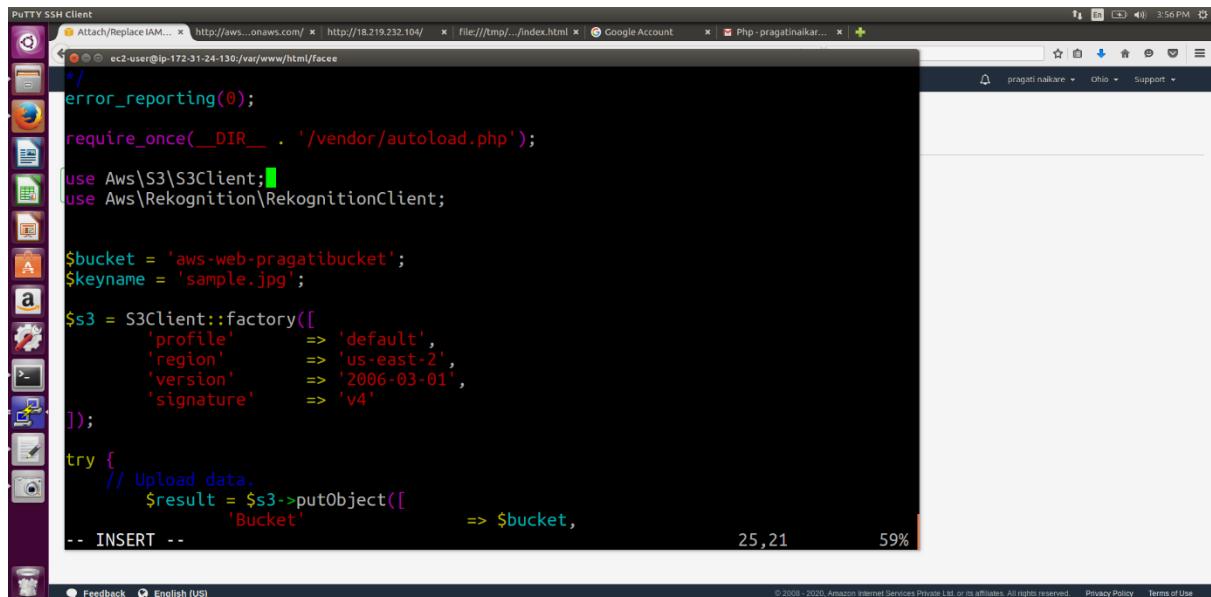


```

PUTTY SSH Client
Instances | EC2 Man... x http://aws...onaws.com/ x http://18.219.232.104/ x file:///tmp/..._index.html x Google Account x Php-pragatinalakar...
ec2-user@ip-172-31-24-130:~$ Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-24-130 ~]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
amzn2-core | 2.4 kB 00:00
Package httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
[ec2-user@ip-172-31-24-130 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: ph
p-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package:
php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-4
6.amzn2.0.2.x86_64
--> Running transaction check
--> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

```

5.3 index.php file code



```
PUTTY SSH Client
Attach/Replace IAM... http://aws...onaws.com/ http://18.219.232.104/ File:///tmp/.../index.html Google Account Php - pragatinalkar...
ec2-user@ip-172-31-24-130:/var/www/html/facee
*/
error_reporting(0);

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

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

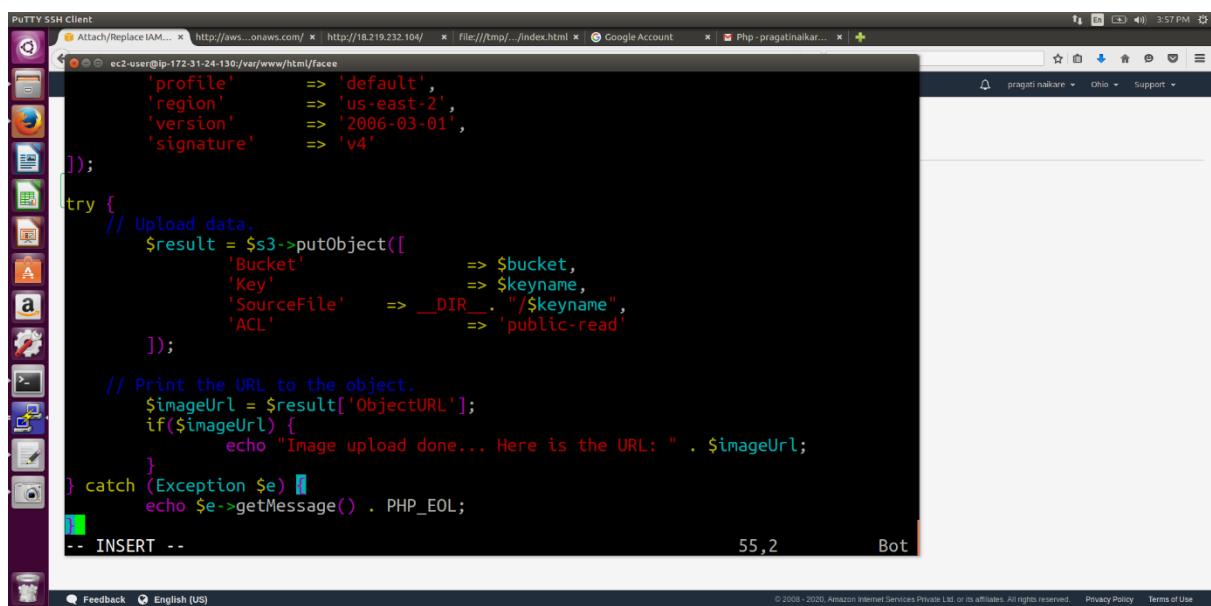
$bucket = 'aws-web-pragatibucket';
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
    'profile'      => 'default',
    'region'       => 'us-east-2',
    'version'       => '2006-03-01',
    'signature'    => 'v4'
]);

try {
    // Upload data.
    $result = $s3->putObject([
        'Bucket'           => $bucket,
-- INSERT --
```

25,21 59%

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```
PUTTY SSH Client
Attach/Replace IAM... http://aws...onaws.com/ http://18.219.232.104/ File:///tmp/.../index.html Google Account Php - pragatinalkar...
ec2-user@ip-172-31-24-130:/var/www/html/facee
    '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;
}
-- INSERT --
```

55,2 Bot

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5.4 Uploaded Success Screenshot

```
PUTTY SSH Client
Attach/Replace IAM... http://aws...onaws.com/ http://18.219.232.104/ file:///tmp/..index.html Google Account Php - pragatinalkar...
ec2-user@ip-172-31-24-130:~$ 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 $e->getMessage() . PHP_EOL;
}
[ec2-user@ip-172-31-24-130 faceee]$ sudo vim index.php
[ec2-user@ip-172-31-24-130 faceee]$ sudo php index.php
Image upload done... Here is the URL: https://aws-web-pragatibucket.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-24-130 faceee]$ sudo vim index.php
[ec2-user@ip-172-31-24-130 faceee]$ sudo php index.php
Image upload done... Here is the URL: https://aws-web-pragatibucket.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-24-130 faceee]$
```

6. EC2 & Rekognition

6.1 Face Detect success screenshot

```
PUTTY SSH Client
IAM Management C... http://aws...onaws.com/ http://18.219.232.104/ file:///tmp/..index.html Google Account Document from PR...
ec2-user@ip-172-31-24-130:~$ ./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 7 installs, 1 update, 0 removals
- Installing symfony/polyfill-mbstring (v1.15.0): Downloading (100%)
- Installing mtwdowling/jmespath.php (2.5.0): Downloading (100%)
- Installing guzzlehttp/promises (v1.3.1): Downloading (100%)
- Installing ralouphie/getallheaders (3.0.3): Downloading (100%)
- Installing psr/http-message (1.0.1): Downloading (100%)
- Installing guzzlehttp/psr7 (1.6.1): Downloading (100%)
- Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
- Updating aws/aws-sdk-php (2.8.31 => 3.133.46): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httpHandlerrunner (Emit PSR-7)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle
Writing lock file
1 package you are using is looking for funding.
Use the "composer fund" command to find out more!
[ec2-user@ip-172-31-24-130 faceee]$ sudo vim /var/www/html/index.php
[ec2-user@ip-172-31-24-130 faceee]$ sudo php index.php
Image upload done... Here is the URL: https://aws-web-pragatibucket.s3.us-east-2.amazonaws.com
There are 9 faces[ec2-user@ip-172-31-24-130 faceee]$ sudo php -d memory_limit=-1 ~/compo...
```

PUTTY SSH Client

IAM Management C... http://aws....onaws.com/ http://18.219.232.104/ file:///tmp/.../index.html Google Account Document from PR...

pragati.nakore Global Support Delete role

- Installing `mtdowling/jmespath.php` (2.5.0): Downloading (100%)
- Installing `guzzlehttp/promises` (v1.3.1): Downloading (100%)
- Installing `ralouphie/getallheaders` (3.0.3): Downloading (100%)
- Installing `psr/http-message` (1.0.1): Downloading (100%)
- Installing `guzzlehttp/psr7` (1.6.1): Downloading (100%)
- Installing `guzzlehttp/guzzle` (6.5.2): Downloading (100%)
- Updating `aws/aws-sdk-php` (2.8.31 => 3.133.46): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httphandlerrunner (Emit PSR-7)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain
Package `guzzle/guzzle` is abandoned, you should avoid using it. Use `guzzlehttp/guzzle`
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-172-31-24-130 faceee]$ sudo vim /var/www/html/index.php
[ec2-user@ip-172-31-24-130 faceee]$ sudo php index.php
Image upload done... Here is the URL: https://aws-web-pragatibucket.s3.us-east-2.amazonaws.com/facee
There are 9 faces[ec2-user@ip-172-31-24-130 faceee]$ sudo php -d memory_limit=-1 ~/composer.phar install
[ec2-user@ip-172-31-24-130 faceee]$ sudo vim index.php
[ec2-user@ip-172-31-24-130 faceee]$ sudo php index.php
Image upload done... Here is the URL: https://aws-web-pragatibucket.s3.us-east-2.amazonaws.com/facee
[ec2-user@ip-172-31-24-130 faceee]$
```

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