

# AWS PROJECT

## SCREENSHOTS

The screenshot shows the AWS Sign-in interface. On the left, there are two radio button options: "Root user" (selected) and "IAM user". Below these are fields for "Root user email address" containing "25beasts@gmail.com" and a "Next" button. On the right, there is a promotional banner for "Amazon Lightsail" featuring a cartoon robot and the text "Lightsail is the easiest way to get started on AWS".

The screenshot shows the AWS Sign-in interface. It has moved to the "Root user sign in" step. The "Email" field contains "25beasts@gmail.com" and the "Password" field contains a masked password. Below these are "Forgot password?" and "Sign in" buttons. At the bottom are links for "Sign in to a different account" and "Create a new AWS account".

This screenshot is identical to the previous one, showing the "Root user sign in" step with the same email and a different, longer password in the password field.

The screenshot shows the AWS EC2 Management Console in the new experience mode. The left sidebar includes sections for EC2 Dashboard, Instances, Images, and Elastic Block Store. The main area displays a summary of resources in the US East (Ohio) Region, such as Running instances (0), Dedicated Hosts (0), Volumes (0), Key pairs (4), Placement groups (0), Elastic IPs (0), Snapshots (0), Load balancers (0), and Security groups (9). A blue banner at the top says "Welcome to the new EC2 console! We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle." On the right, there are sections for Account attributes (Supported platforms: VPC, Default VPC: vpc-2cdf0a47), Console experiments, and Settings. A "Explore AWS" sidebar offers links to save on Spot Instances and launch third-party AMI products.

**EC2 Management Console**

Welcome to the new EC2 console!

We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.

**Resources**

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Running instances	0	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	0	Load balancers	0
Key pairs	4	Security groups	9
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**      **Service health**

**Account attributes**

Supported platforms: VPC  
Default VPC: vpc-2cdf0a47

Console experiments  
Settings

**Explore AWS**

Save up to 90% on EC2 with Spot Instances  
Optimize price-performance by combining EC2 purchase options in a single EC2 ASG. [Learn more](#)

Easily launch third-party AMI products

**Feedback English (US)**

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MEGA 75% (44) 7-Day Free Masterclass | D... S3 Management Console

Sahil Idris Ohio Support

**Amazon S3**

Buckets

Batch operations  
Access analyzer for S3

Block public access (account settings)

Feature spotlight

We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.

Successfully created bucket aws-websj-sahil  
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 (1)**

Name	Region	Access	Bucket created
aws-websj-sahil	US East (Ohio) us-east-2	Not Public	2020-03-29T09:35:07.000Z

**Feedback English (US)**

Type here to search

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**S3 Management Console**

Sahil Idris Global Support

Screenshot of the AWS Rekognition Console homepage.

The page title is "Amazon Rekognition" and the sub-page title is "Deep learning-based visual analysis service".

Key features listed:

- 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
- Getting started guide
- Download SDKs

Call-to-action buttons:

- Try Demo
- Download SDKs

Icons representing different services:

- Stacked squares icon
- Robot arm icon
- Gears icon

Section titles and descriptions:

- Easily Integrate Powerful Visual Analysis into Your App**  
You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building visual recognition capabilities by making powerful
- Continuously Learning**  
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.
- Integrated with AWS Services**  
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3 without moving any data. You can also run real-time

Page footer:

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# EC2 Screenshots:-

This screenshot shows the 'Choose an Instance Type' step of the EC2 instance launch wizard. It displays a table of available instance types across various families (General purpose, Compute, Storage, Memory, etc.). The 't2.micro' instance type is selected, highlighted with a blue border. The table includes columns for Family, Type, vCPUs, Memory (GiB), Instance Storage (GB), EBS-Optimized Available, Network Performance, and IPv6 Support.

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	<b>t2.micro</b> Free tier eligible	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

Buttons at the bottom include 'Cancel', 'Previous', 'Review and Launch' (highlighted in blue), and 'Next: Configure Instance Details'.

This screenshot shows the 'Choose an AMI' step of the EC2 instance launch wizard. It lists several pre-configured AMIs from the AWS Marketplace, including 'Amazon Linux 2 AMI (HVM)', 'Amazon Linux AMI 2018.03.0 (HVM)', and 'Red Hat Enterprise Linux 8 (HVM)'. A search bar at the top allows users to find specific AMIs by name. On the right, there are 'Select' buttons and radio buttons for choosing between 64-bit (x86) and 64-bit (Arm) architectures.

This screenshot provides a detailed view of the 'Amazon Linux 2 AMI (HVM)' listing. It shows the AMI ID, name, and description, along with technical details like root device type (ebs), virtualization type (hvm), and ENA support. A 'Select' button and a radio button for 64-bit (x86) are visible on the right. The interface also includes a 'Quick Start' sidebar with links to 'My AMIs', 'AWS Marketplace', and 'Community AMIs'.

This screenshot shows the search results for 'Amazon Linux' in the AMI selection interface. It lists multiple AMI options, each with a 'Select' button and a radio button for architecture. The results include 'Amazon Linux 2 AMI (HVM)', 'Amazon Linux AMI 2018.03.0 (HVM)', and 'Red Hat Enterprise Linux 8 (HVM)'. The search bar at the top is populated with 'Amazon Linux'.

**Step 3: Configure Instance Details**

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of Instances	<input type="text" value="1"/>	Launch into Auto Scaling Group
Purchasing option	<input type="checkbox"/> Request Spot instances	
Network	<input type="text" value="vpc-2cdf0a47 (default)"/>	<input type="button" value="Create new VPC"/>
Subnet	<input type="text" value="No preference (default subnet in any Availability Zone)"/>	<input type="button" value="Create new subnet"/>
Auto-assign Public IP	<input type="checkbox"/> Use subnet setting (Enable)	
Placement group	<input type="checkbox"/> Add instance to placement group	
Capacity Reservation	<input type="text" value="Open"/>	<input type="button" value="Create new Capacity Reservation"/>
IAM role	<input type="text" value="None"/>	
Shutdown behavior	<input type="text" value="Stop"/>	
Stop + Hibernate behavior	<input type="checkbox"/> Enable hibernation as an additional stop behavior	
Enable termination protection	<input type="checkbox"/> Protect against accidental termination	
Monitoring	<input type="checkbox"/> Enable CloudWatch detailed monitoring Additional charges apply.	

**Review and Launch**

**Step 4: Add Storage**

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and Instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0f54692056aaa4c20	<input type="text" value="8"/>	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	<input type="button" value="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.

**Review and Launch**

**Review and Launch**

**Step 5: Add Tags**

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. A copy of a tag can be applied to volumes, instances or both. Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key (128 characters maximum) Value (256 characters maximum)

This resource currently has no tags

Choose the Add tag button or [click to add a Name tag](#). Make sure your [IAM policy](#) includes permissions to create tags.

Add Tag (Up to 50 tags maximum)

**Cancel Previous Review and Launch Next: Configure Security Group**

**Step 6: Configure Security Group**

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: launch-wizard-9

Description: launch-wizard-9 created 2020-04-04T11:43:49.289+05:30

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**

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**AMI Details**

**Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327**

**Free tier eligible** Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.

Root Device Type: ebs Virtualization type: hvm

**Instance Type**

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

**Security Groups**

**Security group name** launch-wizard-9  
**Description** launch wizard 9 created 2020-04-04T11:43:40Z 2020-04-04T11:43:40Z

**Launch**

**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](#).

**Key pair name** Sahil New

**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.

**Launch Instances**

**Launch Status**

Your instances are now launching  
The following instance launches have been initiated: i-06948bf51b67ed58 [View launch log](#)

Get notified of estimated charges  
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances  
Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.  
Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can [connect](#) to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- How to connect to your Linux instance
- Amazon EC2: User Guide
- Learn about AWS Free Usage Tier
- Amazon EC2: Discussion Forum

While your instances are launching you can also

Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)  
Create and attach additional EBS volumes (Additional charges may apply)

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Screenshots needed for EC2

- Choosing an AMI
- Choosing an Instance Type
- Adding Storage
- Configuring Security Group
- PutTY Key Generator**
- File Key Conversions Help
- Key

Public key for pasting into OpenSSH authorized\_keys file:

```
ssh-rsa AAAQABJQ2Ng0iPzEAAAQDA2BAAQABQDg1kmw+Rz+50Wk+dFb+YnS6=MYmhz2d0H2y59WV1wvzG0t006e0dnNtCQqU0uLm4iHLL0X0d0bwhRzG0fMg18pX40Cb1GtCpbyh4FaaPvDmY2hd4pYLrmwWzb4cDNV2cDo5h2HJh6-3vXF8IDca1xd56YggpBep0PRBsb4kj5Qjklwjcm9S2ZPSXepG3Xdb33Da6flLm28TPb61YRF
```

Key fingerprint: ssh-rsa 2048 b2:4c:7b:64:55:48:35:4d:90:dd:17:38:51:be:ca:76

Key comment: imported.openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:  RSA  DSA  ECDSA  Ed25519 Number of bits in a generated key: 2048

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

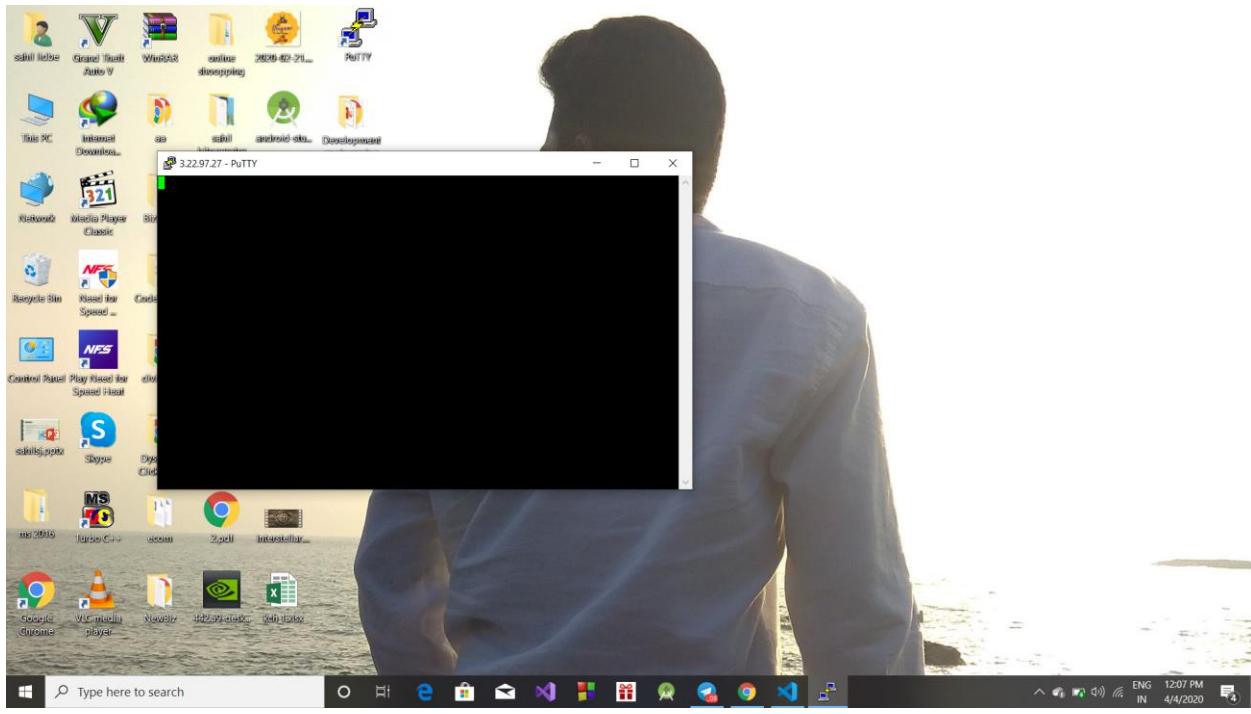
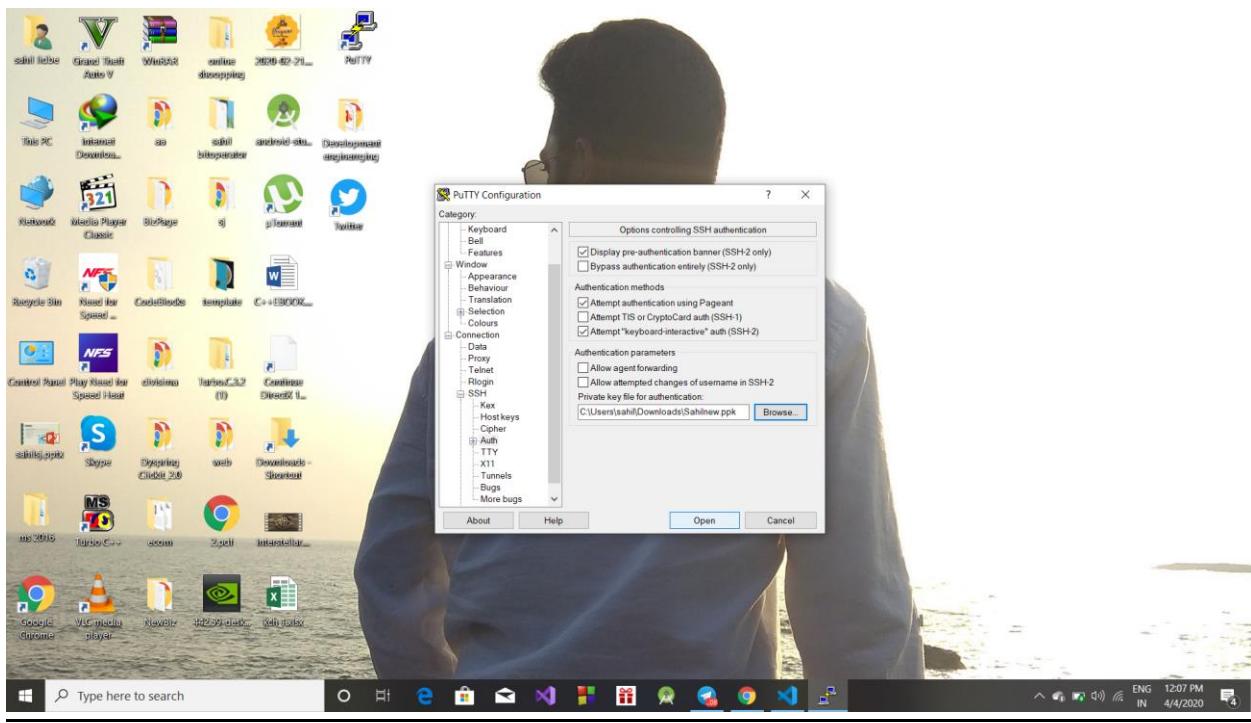
4. Making the Object Public

5. Checking the S3 link on the browser

Screenshots needed for Rekognition

- Face Detect

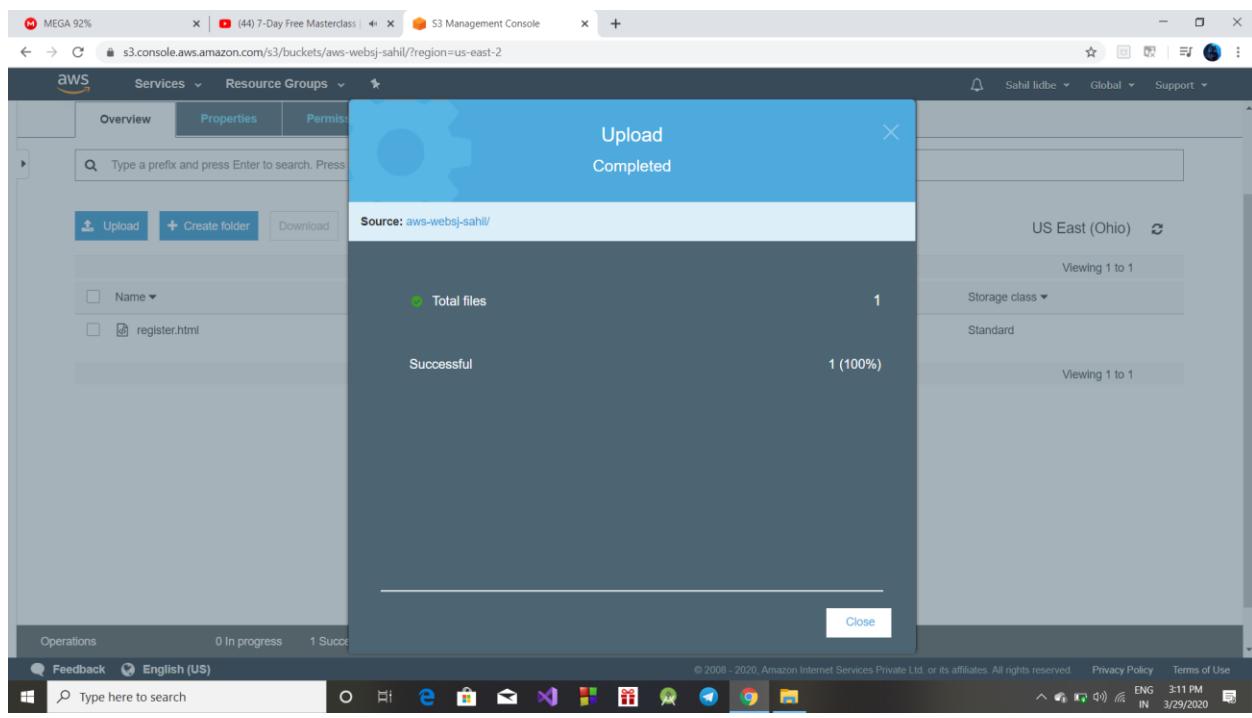
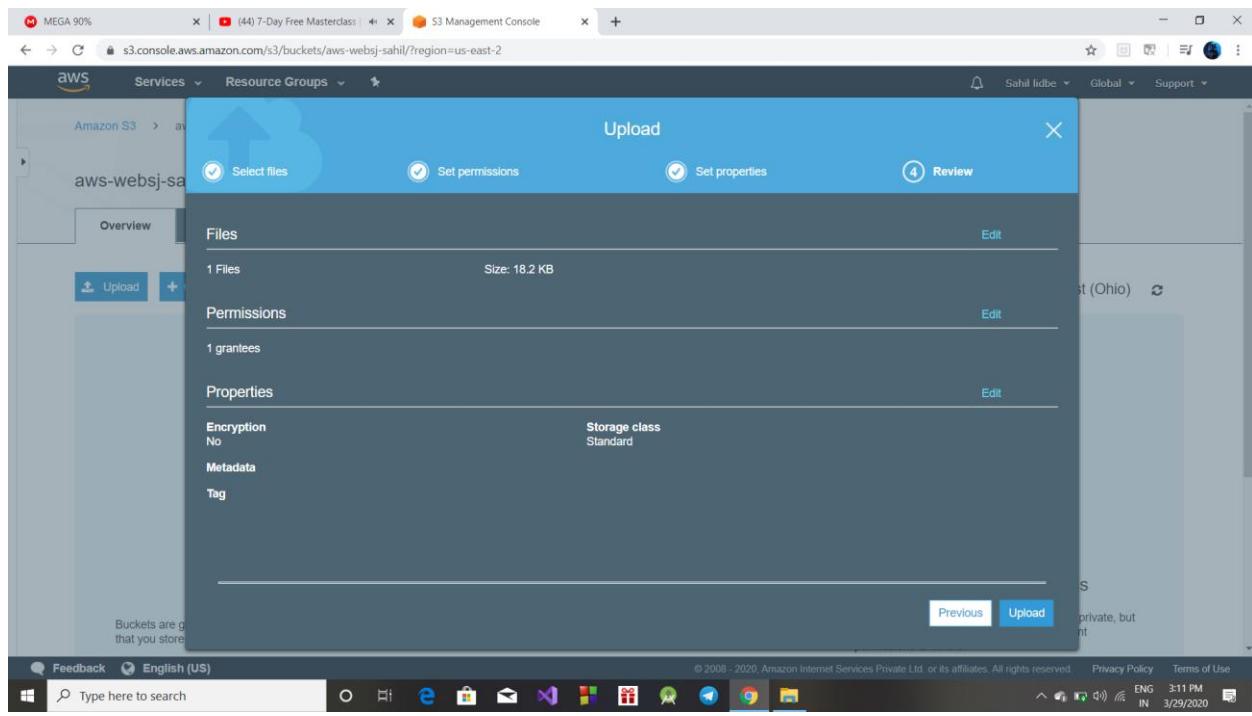
ETHINUS Explore | Expand | Enhance



# S3 Screenshots:-

The screenshot shows the 'Create bucket' page in the AWS S3 Management Console. The 'General configuration' section is visible, with a 'Bucket name' field containing 'aws-websj-sahil'. The 'Region' dropdown is set to 'US East (Ohio) us-east-2'. Below this, the 'Bucket settings for Block Public Access' section is shown, featuring a checked checkbox for 'Block all public access'. A note below it states: 'Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.' Underneath are two other checkboxes: 'Block public access to buckets and objects granted through new access control lists (ACLs)' and 'Block public access to buckets and objects granted through legacy access control lists (ACLS)'. The status bar at the bottom indicates 'MEGA 74%' and shows the browser's address bar with 's3.console.aws.amazon.com/s3/bucket/create?region=us-east-2'.

The screenshot shows the 'Buckets' page in the AWS S3 Management Console. A green success message at the top right says: 'Successfully created bucket aws-websj-sahil. To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.' Below this, the 'Amazon S3' sidebar shows the 'Buckets' section. The main area displays a table titled 'Buckets (1)'. The table has columns for 'Name', 'Region', 'Access', and 'Bucket created'. One row is listed: 'aws-websj-sahil' (Region: US East (Ohio) us-east-2, Access: Not Public, Bucket created: 2020-03-29T09:35:07.000Z). The status bar at the bottom indicates 'MEGA 75%' and shows the browser's address bar with 's3.console.aws.amazon.com/s3/home?region=us-east-2'.



The screenshot shows the AWS S3 Management Console with the 'Static website hosting' tab selected. The 'Endpoint' is listed as `http://aws-websj-sahil.s3-website.us-east-2.amazonaws.com`. The 'Index document' is set to `register.html`, and the 'Error document' is set to `error.html`. The 'Redirection rules (optional)' section is empty. On the left, there are sections for 'Versioning' (disabled) and 'Server access logging' (disabled). The browser taskbar at the bottom shows multiple tabs including 'register.html' and 'MS Office Professio...rar'. The Windows taskbar at the bottom right shows the date and time as 3/29/2020 5:13 PM.

The screenshot shows the AWS S3 Management Console with the 'Block public access' tab selected. The 'Block all public access' setting is currently off. A success message indicates that public access settings were updated successfully. The browser taskbar at the bottom shows multiple tabs including 'register.html' and 'MS Office Professio...rar'. The Windows taskbar at the bottom right shows the date and time as 3/29/2020 5:21 PM.

The screenshot shows the AWS S3 Management Console interface. A file named 'register.html' is selected. The 'Properties' tab is active, displaying the following details:

- Owner:** 8c03560cf6a7885e4d4a4112480fe13cbd866b481b09044081001482aca01a75
- Last modified:** Mar 29, 2020 3:11:53 PM GMT+0530
- Etag:** 78d0fcacaa0845e8708b01582cbf34b77
- Storage class:** Standard
- Server-side encryption:** None

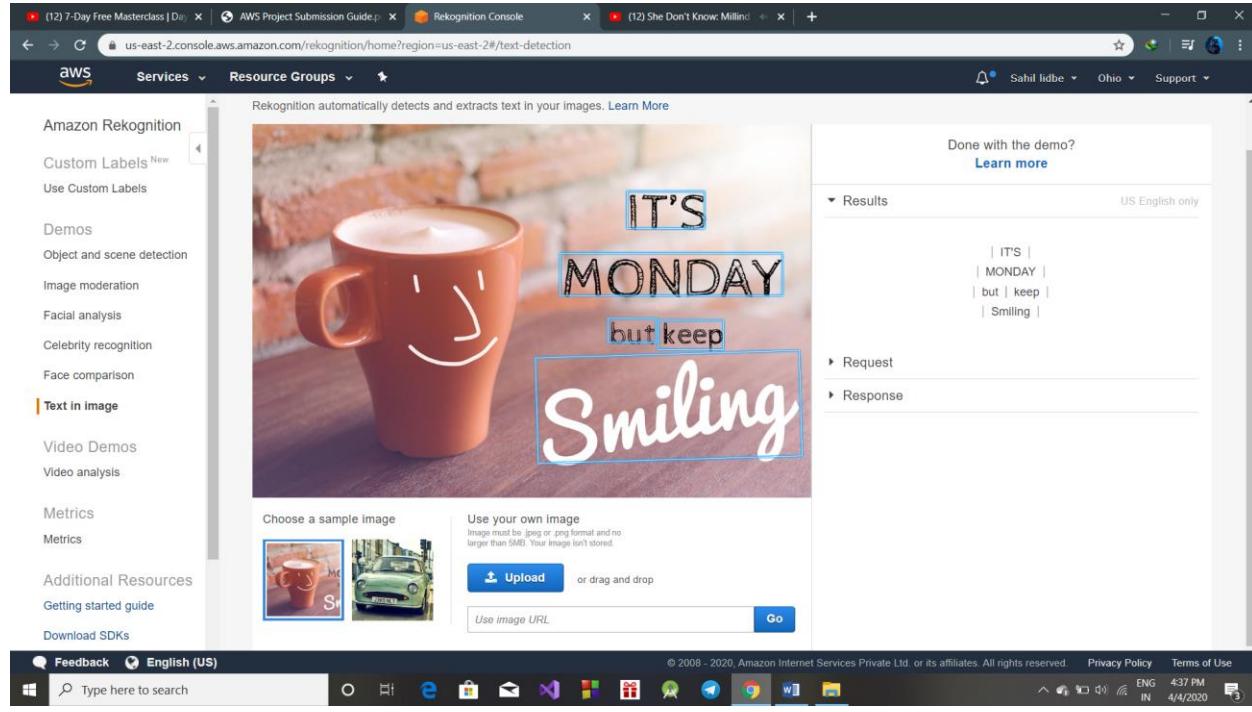
Below the properties, there is a summary of operations: 0 In progress, 1 Success, 0 Error. The browser's address bar shows the URL: `s3.console.aws.amazon.com/s3/object/aws-websj-sahil/register.html?region=us-east-2&tab=overview`. The taskbar at the bottom shows other open windows like 'MS Office Professio...rar' and 'register.html'.

The screenshot shows a custom e-commerce website. The header features the text 'EBig StoreThe Best Supermarket' in blue. Below the header is a navigation menu with the following items:

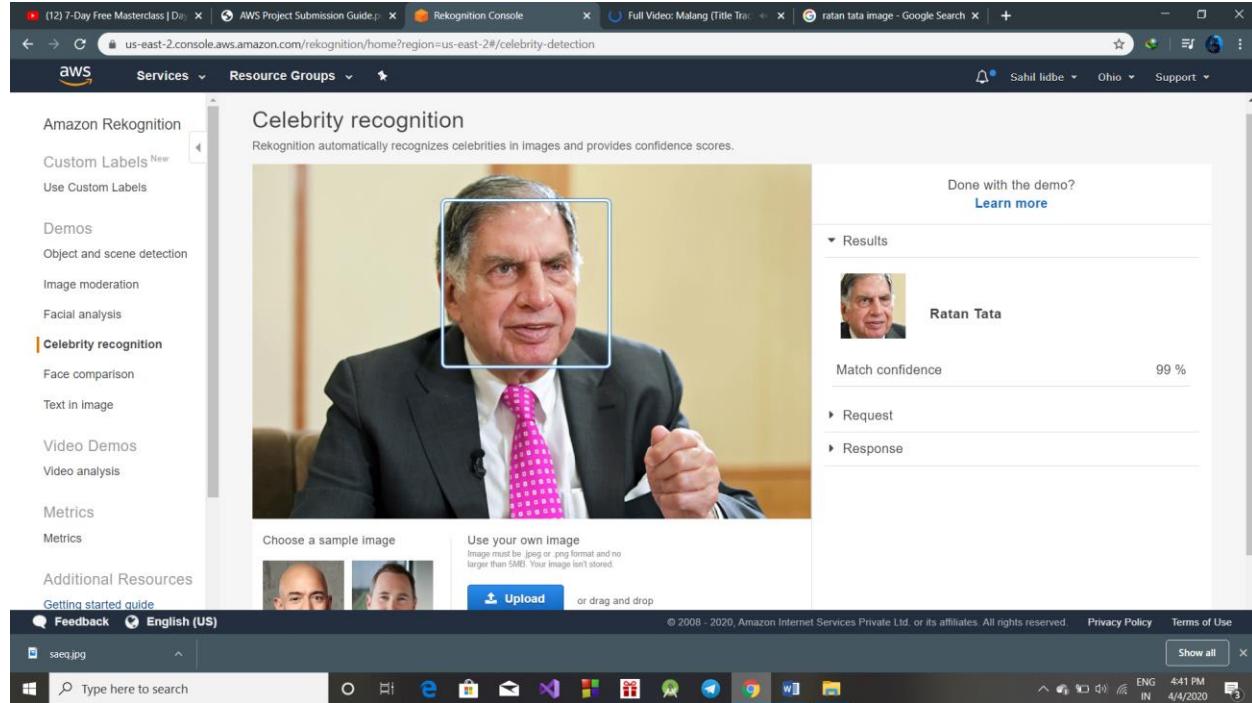
- [Wishlist](#)
- [Login](#)
- [Register](#)
- [Order History](#)
- [Shipping](#)
- 
- 
- 

Below the menu is a 'Toggle navigation' button. The main content area displays a sidebar with categories: Home, Kitchen, Water & Beverages, Fruits & Vegetables, Staples, Branded Food, Breakfast & Cereal, Snacks, Spices, Biscuit & Cookie, Sweets, Pickle & Condiment, Instant Food, Dry Fruit, and Tea & Coffee. The browser's address bar shows the URL: `Not secure | aws-websj-sahil.s3-website.us-east-2.amazonaws.com`. The taskbar at the bottom shows other open windows like 'MS Office Professio...rar' and 'register.html'.

# Rekognition Screenshots :-



The screenshot shows the AWS Rekognition console interface for text detection. On the left sidebar, under the 'Text in image' section, there is a link to 'Text in image'. The main content area displays a photograph of an orange mug with a smiley face drawn on it. Overlaid on the image is text: 'IT'S MONDAY but keep Smiling'. The word 'Smiling' is highlighted with a blue border. Below the image, there are sections for 'Choose a sample image' and 'Use your own image', each with an 'Upload' button and a 'Go' button. To the right, a 'Results' section shows the detected text: 'IT'S', 'MONDAY', 'but', 'keep', and 'Smiling'. A 'Request' and 'Response' section follows.

The screenshot shows the AWS Rekognition console interface for celebrity recognition. On the left sidebar, under the 'Celebrity recognition' section, there is a link to 'Celebrity recognition'. The main content area displays a photograph of Ratan Tata, with a bounding box highlighting his face. Below the image, there are sections for 'Choose a sample image' and 'Use your own image', each with an 'Upload' button and a 'Go' button. To the right, a 'Results' section shows a small thumbnail of Ratan Tata with the name 'Ratan Tata' next to it and a 'Match confidence' of '99 %'. A 'Request' and 'Response' section follows.

[\(12\) 7-Day Free Masterclass | D...](#) [AWS Project Submission Guide.p...](#) [Rekognition Console](#) [\(12\) Full Video: Malang \(Title...](#) [ratan tata image - Google Search](#)

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

## Face comparison

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

Reference face

Comparison faces

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

Results

Image 1	Image 2	Similarity
		99.8 %

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

## Facial analysis

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

Choose a sample image

Use your own image  
Image must be jpeg or png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

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

Results

looks like a face	99.9 %
appears to be male	99.4 %
age range	22 - 34 years old
smiling	99.9 %
appears to be happy	99.7 %
not wearing glasses	99.6 %

Show more

Request

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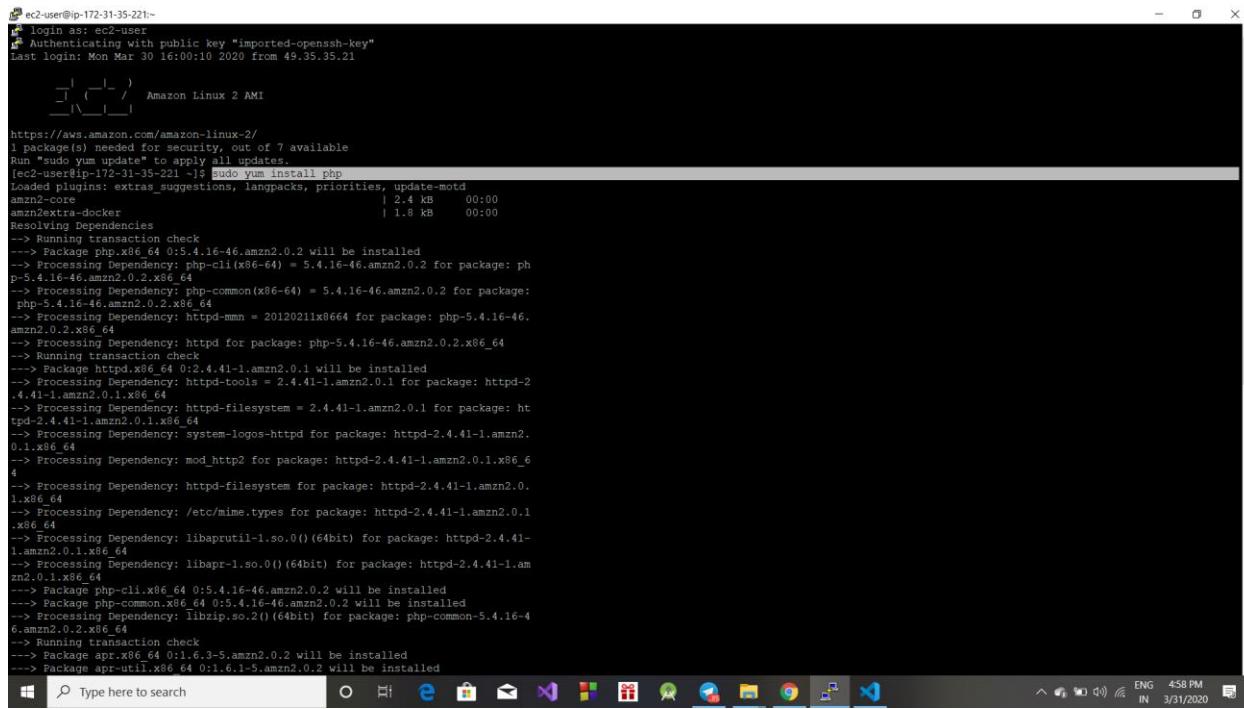
saeq.jpg

Type here to search

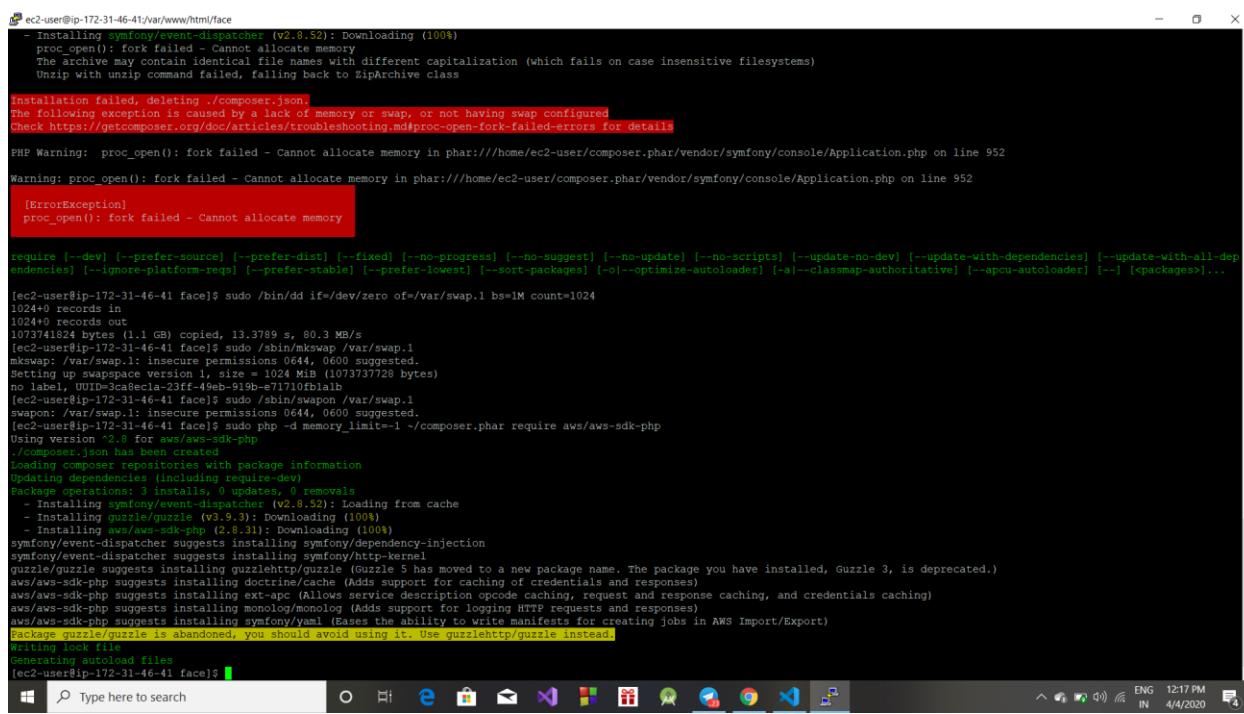
Show all

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# EC2 & S3 Screenshots:-



```
ec2-user@ip-172-31-35-221:~$ login as: ec2-user
[+] Authenticating with public key "imported-ssh-key"
Last login: Mon Mar 30 16:00:10 2020 from 49.35.35.21
[ec2-user@ip-172-31-35-221 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                         | 2.4 kB   00:00
amzn2extra-docker                                | 1.8 kB   00:00
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
--> Processing Dependency: httpd-mm = 20120211x8664 for package: php-5.4.16-46.
amzn2.0.2.x86_64
--> Processing Dependency: httpd for package: php-5.4.16-46.amzn2.0.2.x86_64
--> 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: ht
tpd-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_6
4
--> 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.am
zn2.0.1.x86_64
--> 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 apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.1-9.amzn2.0.2 will be installed
```



```
ec2-user@ip-172-31-46-41:~/var/www/html/face$ composer install
[+] Installing symfony/event-dispatcher (v2.8.52): Downloading (100%)
  PROG open(): fork failed - Cannot allocate memory
  The archive may contain identical file names with different capitalization (which fails on case insensitive filesystems)
  Unzip with unzip command failed, falling back to ZipArchive class
Installation failed, deleting ./composer.json
The following exception is caused by a lack of memory or swap, or not having swap configured
Check https://getcomposer.org/doc/articles/troubleshooting.md#proc-open-fork-failed-errors for details
PHP Warning:  proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952
Warning:  proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/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] [--no-suggest] [--no-update] [--no-scripts] [--update-no-dev] [--update-with-dependencies] [--update-with-all-de
pendencies] [--ignore-platform-reqs] [--prefer-stable] [--prefer-lowest] [--sort-packages] [-o|--optimize-autoloader] [-a|--classmap-autoritative] [--apcu-autoloader] [--] [<packages>]...
[ec2-user@ip-172-31-46-41 face]$ sudo /bin/dd if=/dev/zero of=/var/swapp.1 bs=1M count=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB, 1.0 GiB) copied, 13.3789 s, 80.3 MB/s
[ec2-user@ip-172-31-46-41 face]$ sudo /sbin/mkswap /var/swapp.1
mkswap: /var/swapp.1: insecure permissions 0644, 0600 suggested.
Setuid permission denied while trying to change the super-block of /var/swapp.1 (1073741824 bytes)
no label, UUID=d2c98eclx-23ff-49eb-919b-71710f1bab
[ec2-user@ip-172-31-46-41 face]$ sudo /sbin/swapon /var/swapp.1
swapon: /var/swapp.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-46-41 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.3 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 (2.0.31): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/dependency-injection
symfony/dependency-injection suggests installing symfony/service-contracts
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 caching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-46-41 face]$
```

```

[ec2-user@ip-172-31-46-41:/var/www/html/face]
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-websj-sahil';
$keyname = 'sample.jpg';

$s3 = new S3Client([
    '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-write'
    ]);
}

// Print the URL to the object.
$imageUrl = $result['ObjectURL'];
if($imageUrl) {
    echo "Image upload done... Here is the URL: " . $imageUrl;

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

    $result = $rekognition->detectFaces([
        'Attributes' => ['DEFAULT'],
        'Image'       => [
            'S3Object' => [
                'Bucket' => $bucket,
                'Name'   => $keyname,
                'Key'    => $keyname,
            ],
        ],
    ]);

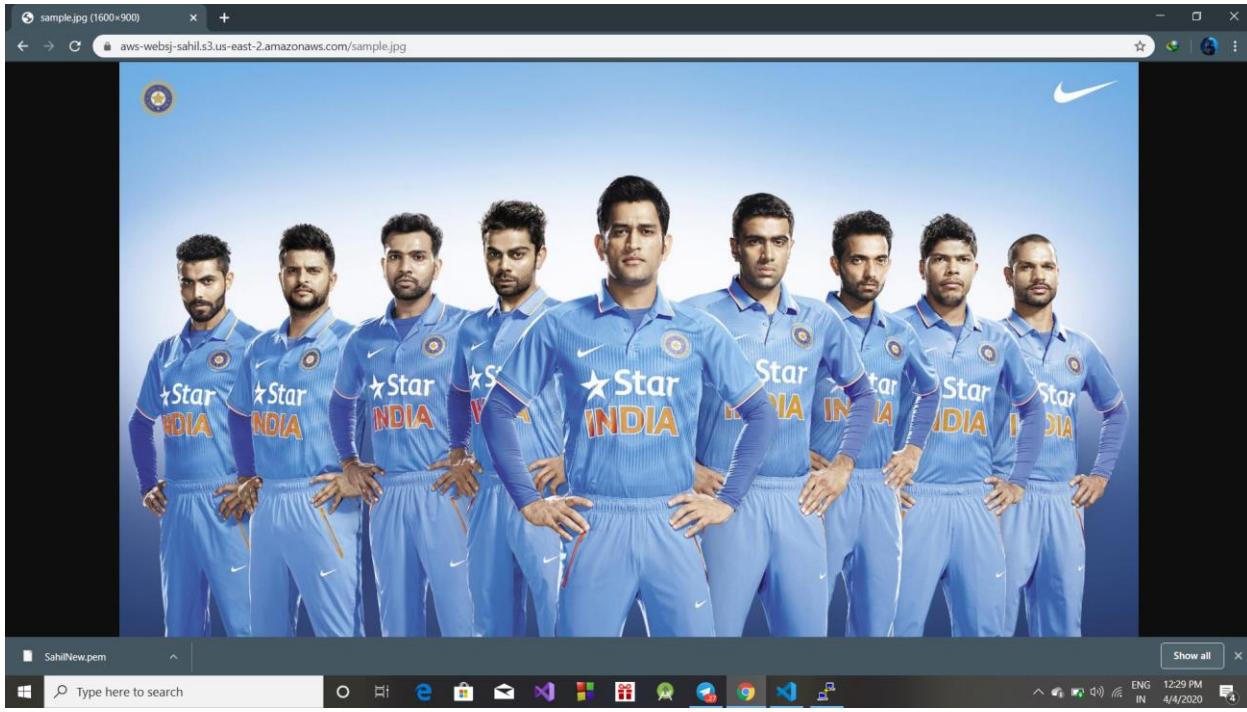
    echo "Totally there are " . count($result["FaceDetails"]) . " faces";
}
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

```

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes the AWS logo, Services dropdown, Resource Groups dropdown, and user information (Sahil lidbe, Global, Support). The main area shows the 'aws-websj-sahil' bucket under 'Amazon S3'. The 'Properties' tab is selected. Below it, a search bar contains the placeholder 'Type a prefix and press Enter to search. Press ESC to clear.' A toolbar at the bottom of the list includes 'Upload', '+ Create folder', 'Download', and 'Actions' dropdown. The table lists the objects with columns for Name, Last modified, Size, and Storage class. The objects listed are:

Name	Last modified	Size	Storage class
register.html	Mar 29, 2020 3:11:53 PM GMT+0530	18.2 KB	Standard
sample.jpg	Apr 4, 2020 12:28:27 PM GMT+0530	210.5 KB	Standard

At the bottom of the page, there are links for Feedback, English (US), Privacy Policy, Terms of Use, and a 'Show all' button. The status bar at the bottom right shows ENG IN, 12:29 PM, and 4/4/2020.



## EC2 & Rekognition Screenshots:-

```

ec2-user@ip-172-31-46-41:~/var/www/html/face
Installing : mod_http2-1.15.3-2.amzn2.x86_64
Installing : httpd-2.4.41-1.amzn2.0.1.x86_64
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64
Verifying : mod_http2-1.15.3-2.amzn2.x86_64
Verifying : httpd-2.4.41-1.amzn2.0.1.x86_64
Verifying : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch

Installed:
httpd.x86_64 0:2.4.41-1.amzn2.0.1

Dependency Installed:
httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1           httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1           mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[ec2-user@ip-172-31-46-41 face]$ error_reporting(0);
-bash: syntax error near unexpected token `0'
[ec2-user@ip-172-31-46-41 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version 0.1.34 for aws/aws-sdk-php
./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 mtodowling/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 (2.8.3 => 3.134.3): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-http\handlerrunner (Emits PSR-7 responses)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain Name (IDN) support)
Package Guzzle/Guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-46-41 face]$ composer fund
-bash: composer: command not found
[ec2-user@ip-172-31-46-41 face]$ sudo composer fund
sudo: composer: command not found
[ec2-user@ip-172-31-46-41 face]$ ls
composer.json composer.lock index.php sample.jpg vendor
[ec2-user@ip-172-31-46-41 face]$ sudo vim index.php
[ec2-user@ip-172-31-46-41 face]$ sudo php index.php

[ec2-user@ip-172-31-46-41 face]$ 

```

