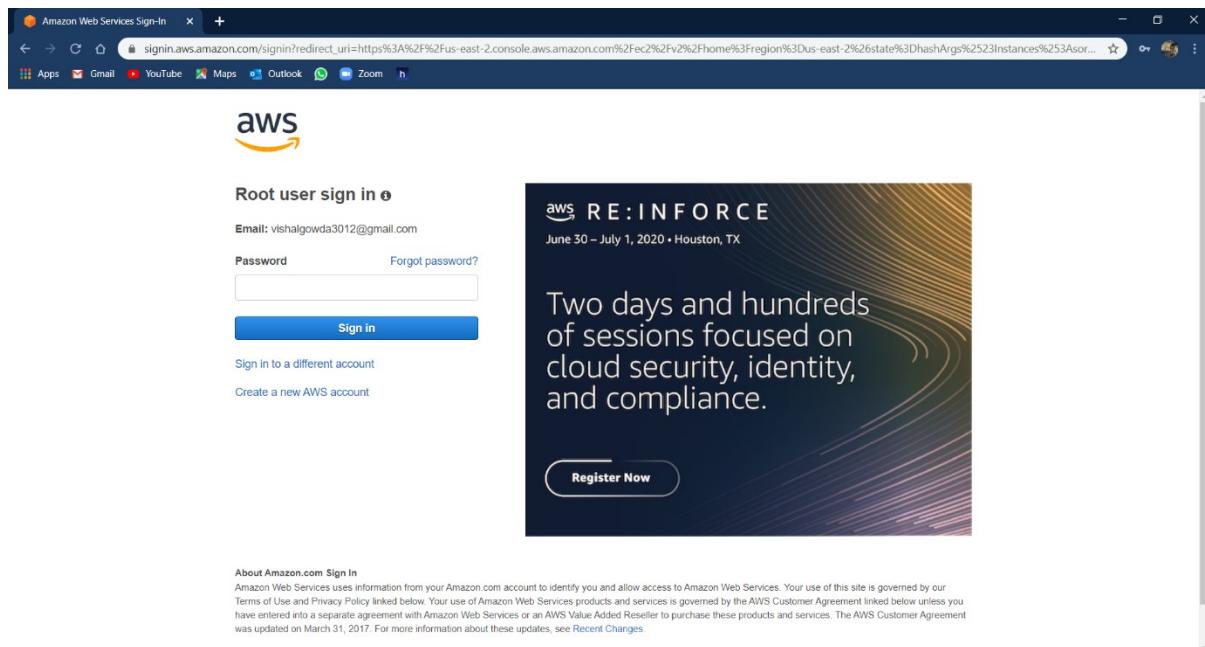


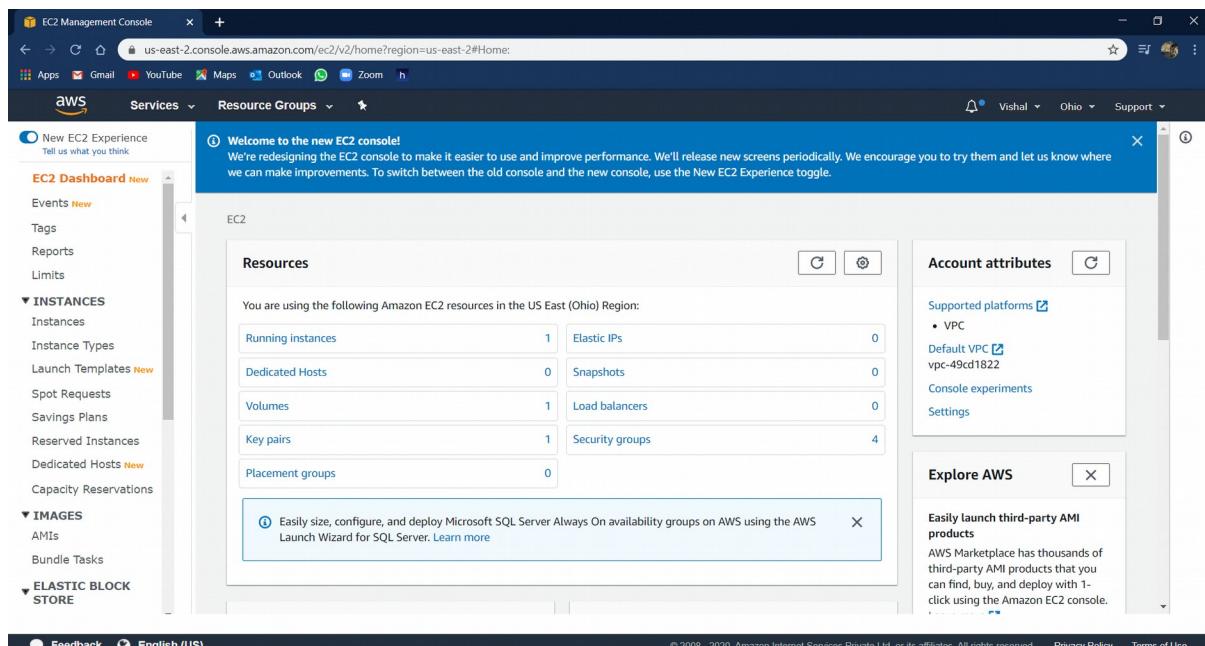
ETHNUS AWS PROJECT BY VISHAL S

Screenshots needed for Dashboards

1. AWS Login screen with username



2. EC2 Dashboard



3. S3 Dashboard

The screenshot shows the AWS S3 Management Console. On the left, there's a sidebar titled 'Amazon S3' with options like 'Buckets', 'Batch operations', 'Access analyzer for S3', and 'Block public access (account settings)'. The main area is titled 'Amazon S3' and shows a table for 'Buckets (1)'. The table has columns for 'Name', 'Region', 'Access', and 'Bucket created'. One row is listed: 'vishal-aws', 'US East (Ohio) us-east-2', 'Objects can be public', and '2020-04-02T11:27:36.000Z'. At the top right of the main area, there are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. The bottom of the page includes standard AWS footer links for 'Feedback', 'English (US)', and copyright information.

4. Rekognition Dashboard

The screenshot shows the AWS Rekognition Console. On the left, there's a sidebar with various service links like 'Custom Labels', 'Demos', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Metrics', and 'Additional Resources'. The main area features a large banner for 'Amazon Rekognition' with the subtext 'Deep learning-based visual analysis service' and 'Search, verify, and organize millions of images and videos'. It includes a 'Try Demo' button and a 'Download SDKs' link. Below the banner, there are three sections with icons: 'Easily Integrate Powerful Visual Analysis into Your App' (stacked boxes icon), 'Continuously Learning' (gear and arrows icon), and 'Integrated with AWS Services' (interlocking puzzle pieces icon). The bottom of the page includes standard AWS footer links for 'Feedback', 'English (US)', and copyright information.

Screenshots needed for EC2

1. Choosing an AMI

Step 1: Choose an Amazon Machine Image (AMI)

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.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start
My AMIs
AWS Marketplace
Community AMIs
Free tier only ⓘ

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)
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 ENA Enabled: Yes
 64-bit (x86)
 64-bit (Arm)
Select

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8
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
64-bit (x86)

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
 64-bit (x86)
 64-bit (Arm)
Select

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2. Choosing an Instance Type

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.

Family	Type	vCPUs ⓘ	Memory (GiB) ⓘ	Instance Storage (GiB) ⓘ	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

Cancel Previous Review and Launch Next: Configure Instance Details

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3. Adding Storage

Step 4: Add Storage

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

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

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous **Review and Launch** Next: Add Tags

4. Configuring 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-3

Description: launch-wizard-3 created 2020-04-02T16:49:21.069+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** Next: Add Tags

5. Key Pair Download

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.

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](#).

Choose an existing key pair
Select a key pair
vkranth

I acknowledge that I have access to the selected private key file (vkranth.pem), and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

AMI Details

Amazon Linux 2 AMI (HVM), SSD Volume

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	Variable	1

Security Groups

6. PuTTYgen conversion from pem to ppk

Instances | EC2 Management Con

New EC2 Experience

EC2 Dashboard

Events

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Reports

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INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

PUTTY Key Generator

Name: ssh-rsa

File: Public key for pasting into OpenSSH authorized_keys file.

Key:

```
ssh-rsa
AAAAB3NzC1yc2EAAQADAOABAAA=BAQCCVUDZLUd73D2o38aMqadyVSKRF0HKrcue
e+MXGKxFUFGCDY4A
+8d3BjOvDgPbTlunNzK2oAbhHppnQUSgjQdBiINWJuypxg39KGZx68WRvRQLh5
/vOcmvKyUT7TpmLJGm6oLXTMuD49d9d58MC/INF6PJu7tp2MLAuSmUY454hclD
```

Key fingerprint: ssh-rsa 2048 a0:9f:2e:03:8d:b4:65:87:30:24:k:6:fdf8:32

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

Instance: i-05cf51c6

Description

Status Checks

Monitoring

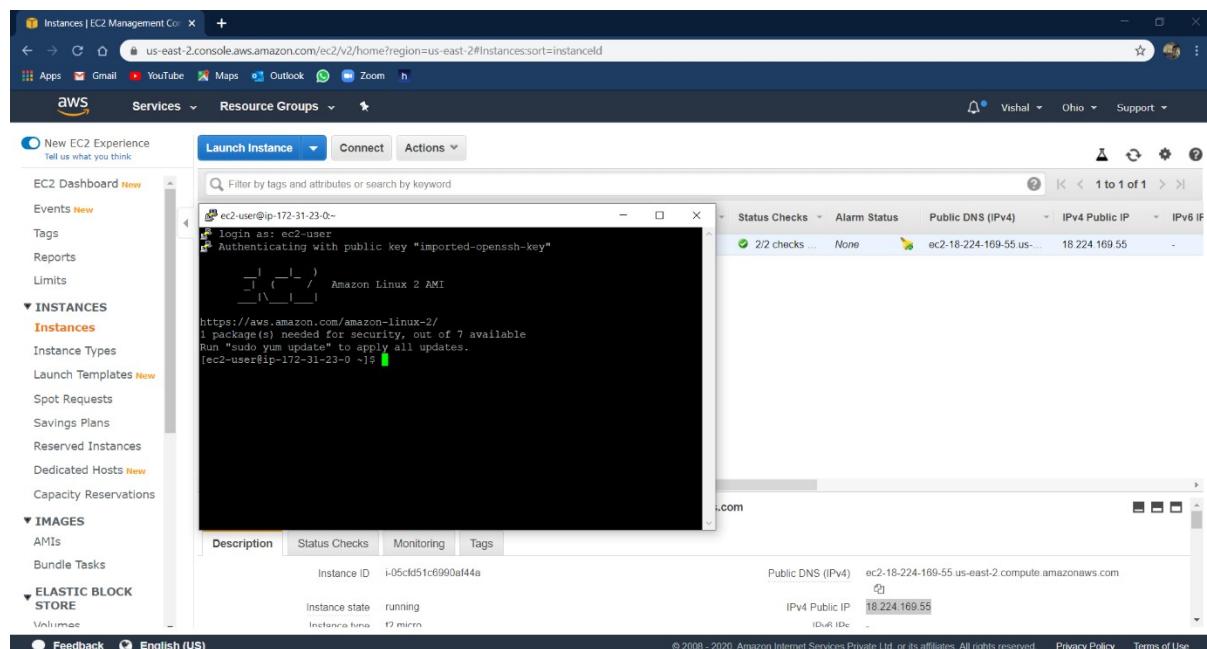
Tags

Public DNS (IPv4): ec2-18-224-169-55.us-east-2.compute.amazonaws.com

IPv4 Public IP: 18.224.169.55

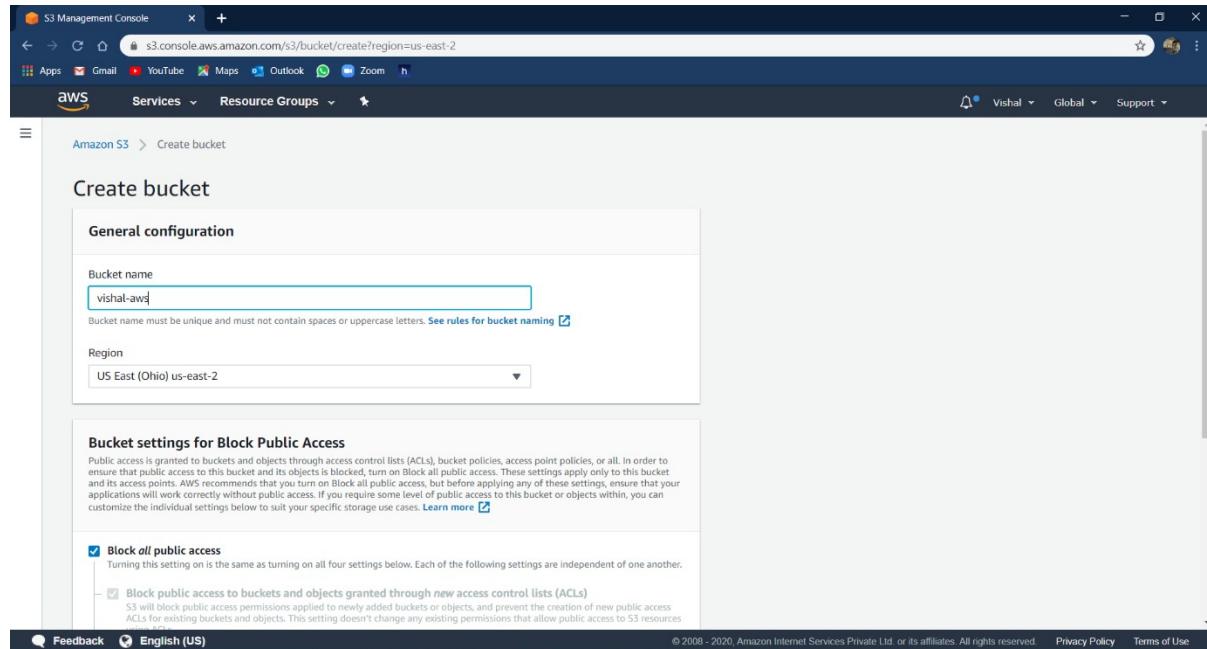
IPv6 IPs: -

7. Logged in EC2 black screen

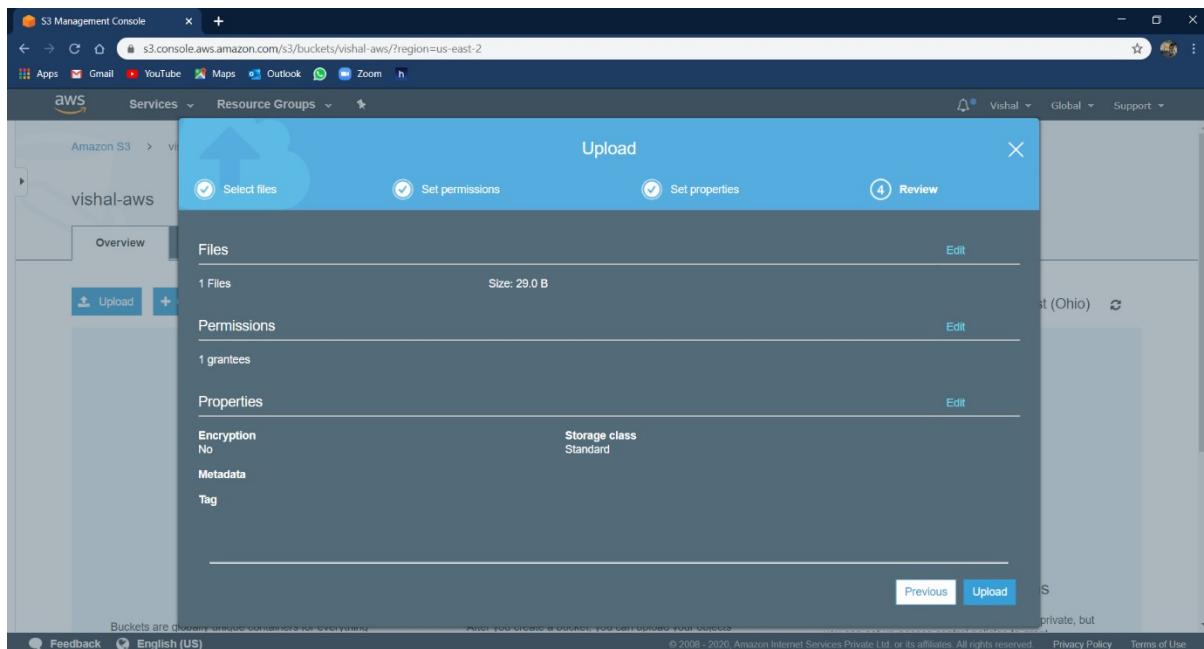


Screenshots needed for S3

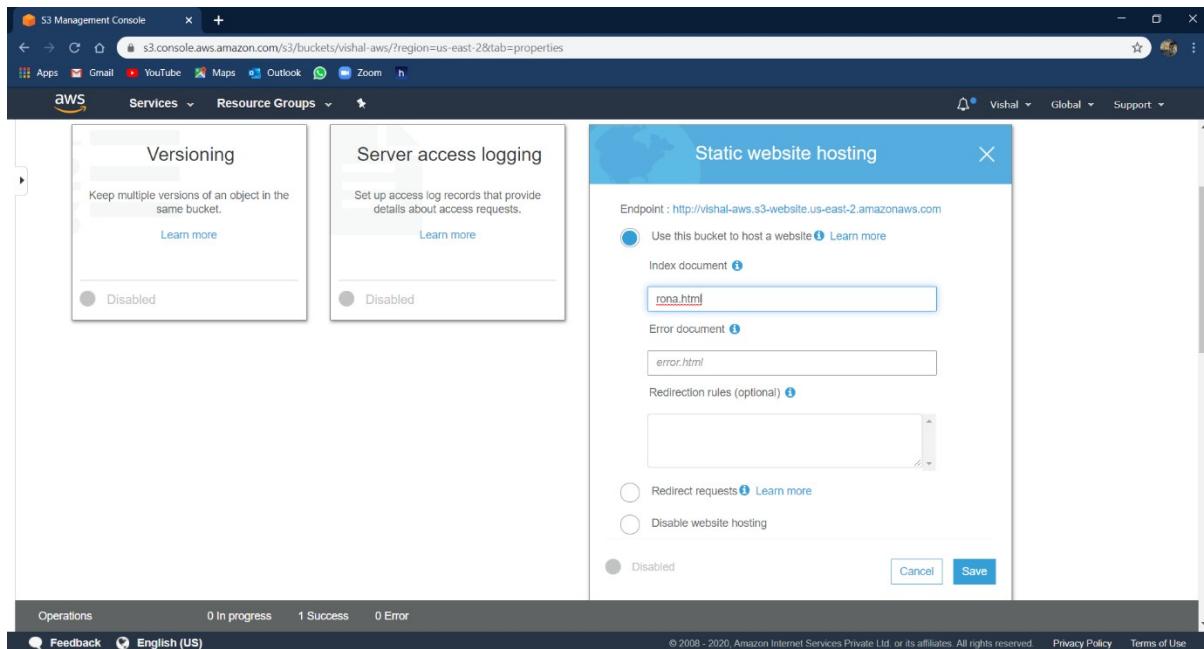
1. Creating a bucket



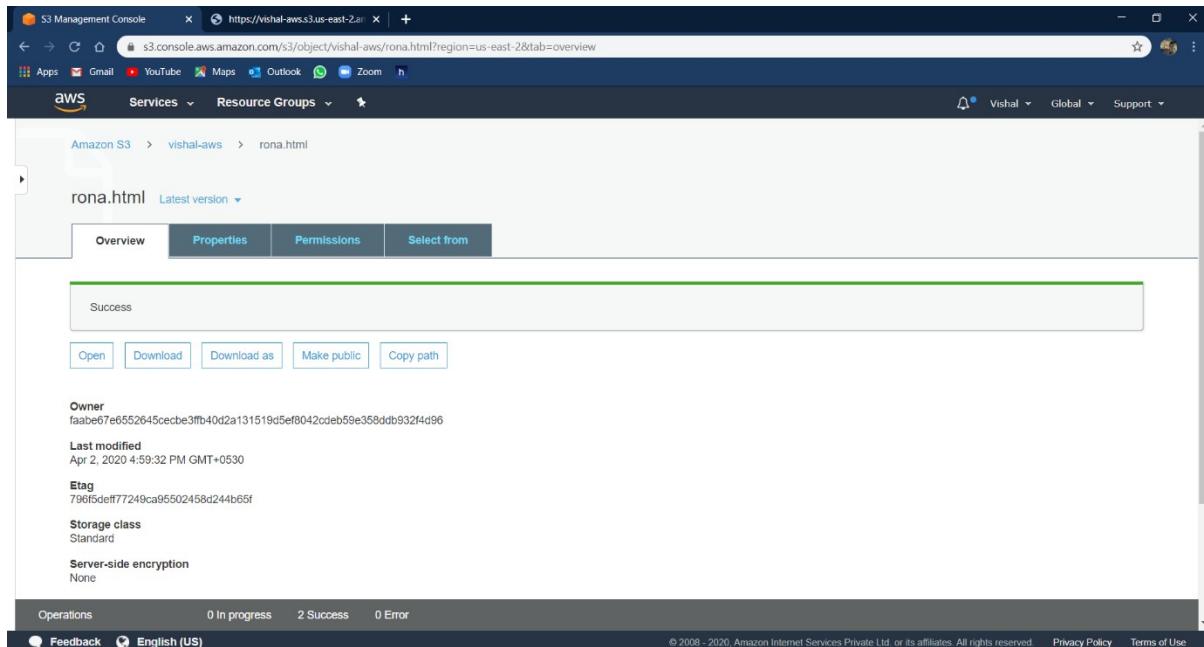
2. Uploading an Object



3. Enabling Static Website



4. Making the Object Public



The screenshot shows the AWS S3 Management Console interface. The URL in the browser is <https://vishal-aws.s3.us-east-2.amazonaws.com/s3/object/vishal-aws/rona.html?region=us-east-2&tab=overview>. The page displays the properties of the 'rona.html' object. The 'Properties' tab is selected. Key details shown include:

- Owner:** faabe67e6552645cecbe3ffb40d2a131519d5ef8042cdeb59e358ddb932f4d96
- Last modified:** Apr 2, 2020 4:59:32 PM GMT+0530
- Etag:** 796f5def77249ca95502458d244b65f
- Storage class:** Standard
- Server-side encryption:** None

Below the properties, there are buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. At the bottom, there are links for 'Operations' (0 In progress, 2 Success, 0 Error), 'Feedback', and language selection ('English (US)').

5. Checking the S3 link on the browser



The screenshot shows a web browser window with the URL <https://vishal-aws.s3-website.us-east-2.amazonaws.com>. The page content is "I KNOW A GUY, WHO KNOWS A GUY, WHO KNOWS ANOTHER GUY..". The browser status bar indicates "Not secure".

Screenshots needed for Rekognition

1. Face Detect

The screenshot shows the 'Facial analysis' demo page. On the left, a sidebar lists various Rekognition services: Custom Labels, Demos, Object and scene detection, Image moderation, Facial analysis (which is selected and highlighted in orange), Celebrity recognition, Face comparison, Text in image, Video Demos, Video analysis, Metrics, and Additional Resources. The main content area is titled 'Facial analysis' with the sub-instruction 'Get a complete analysis of facial attributes, including confidence scores.' It features a large image of a man holding a rifle, with a blue bounding box highlighting his face. Below this are two sections: 'Choose a sample image' showing three sample photos, and 'Use your own image' with a 'Upload' button and a note about file format. To the right, a 'Results' section displays the analysis output:

Attribute	Value	Confidence (%)
looks like a face	100 %	100 %
appears to be male	98.5 %	98.5 %
age range	24 - 38 years old	24 - 38 years old
not smiling	98.7 %	98.7 %
appears to be sad	84.7 %	84.7 %
not wearing glasses	95.5 %	95.5 %

At the bottom right, there are links for 'Done with the demo?' and 'Learn more'.

2. Face Compare

The screenshot shows the 'Face comparison' demo page. The sidebar is identical to the previous one, listing the same Rekognition services. The main content area is titled 'Face comparison' with the sub-instruction 'Compare faces to see how closely they match based on a similarity percentage.' It features two sections: 'Reference face' (a portrait of Aaron Paul) and 'Comparison faces' (a group photo from 'Breaking Bad'). Below these are two 'Choose a sample image' sections. To the right, a 'Results' section displays the comparison output:

Comparison	Similarity (%)
Aaron Paul vs. Aaron Paul	99.7 %
Aaron Paul vs. Anna Gunn	99.7 %
Aaron Paul vs. Bryan Cranston	99.7 %

At the bottom right, there are links for 'Done with the demo?' and 'Learn more'.

3. Celebrity Recognition

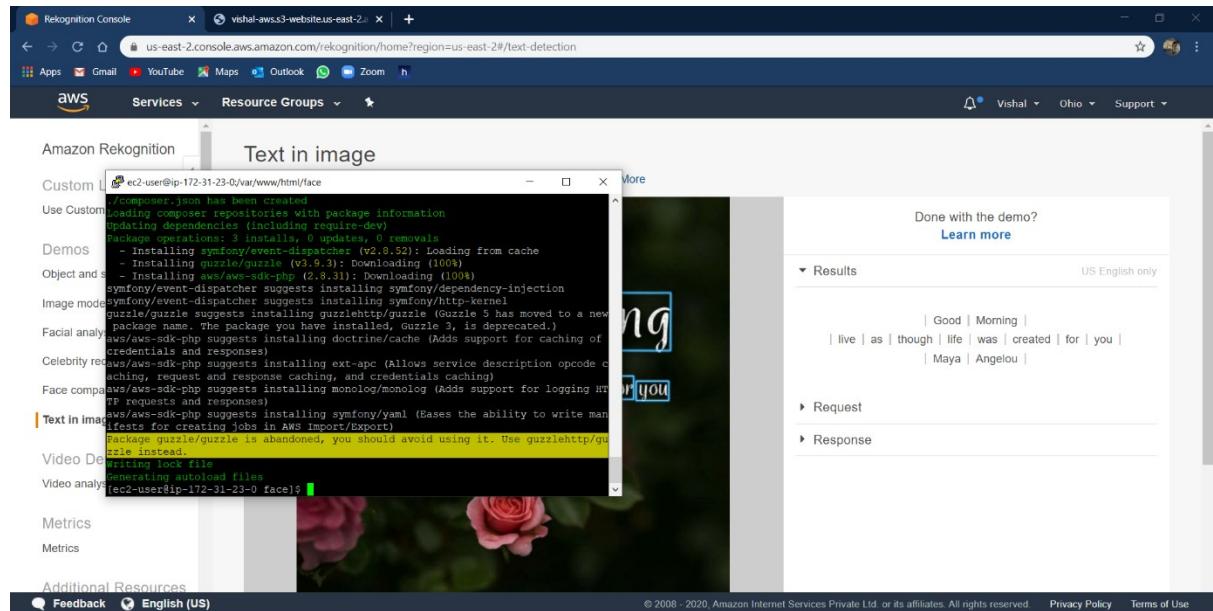
The screenshot shows the AWS Rekognition console interface. On the left, a sidebar lists various services and demos, with 'Celebrity recognition' selected. The main content area displays a photo of a man with a beard and long hair, identified as 'Sudeep' with 100% confidence. Below the image, there are options to choose a sample image or upload your own, and a URL input field.

4. Text in Image

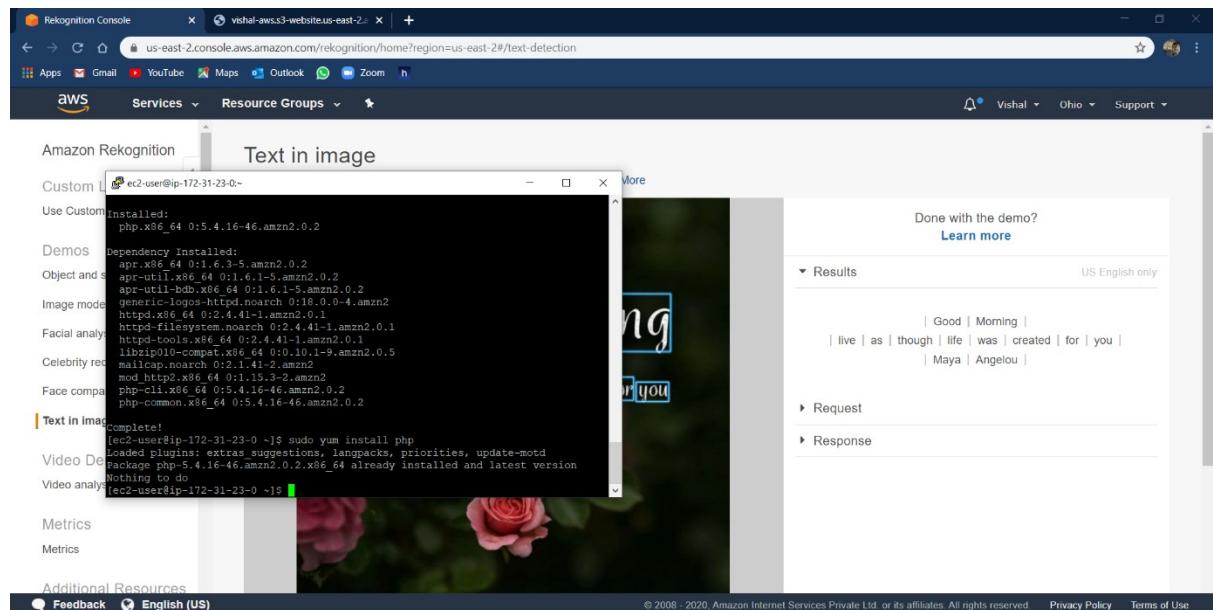
The screenshot shows the AWS Rekognition console interface, specifically the 'Text in image' demo. The sidebar has 'Text in image' selected. The main content area displays a photo of pink roses with overlaid text: 'Good Morning' and 'Life is as though life was created for you' attributed to 'Maya Angelou'. The detected text is listed in the results panel as 'US English only'.

Screenshots needed for EC2 & S3

1. Installing aws-sdk



2. Installing php



3. index.php file code

The screenshot shows a browser window titled "Rekognition Console" with the URL "vishal-aws.s3-website.us-east-2.com". The main content is a "Text in image" demo. On the left, there's a code editor with PHP code for detecting text in an image using the Amazon Rekognition API. On the right, a preview image of a pink rose flower is shown with several blue boxes highlighting detected text. The text includes "Good Morning", "live as though life was created for you", and "Maya Angelou". Below the image, there are sections for "Request" and "Response". The status bar at the bottom indicates "© 2008 - 2020, Amazon Internet Services Private Ltd, or its affiliates. All rights reserved. Privacy Policy Terms of Use".

```
reko = 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();
}
-- INSERT --
```

4. Upload success screenshot

The screenshot shows a browser window titled "Instances | EC2 Management Con" with the URL "vishal-aws.s3-website.us-east-2.com". The main content is the EC2 Dashboard. On the left, there's a terminal window showing the command "sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg" being run. On the right, the instance details are shown: Instance State is running, Public DNS (IPv4) is ec2-18-224-169-55.us-east-2.compute.amazonaws.com, and the Public IP is 18.224.169.55. The status bar at the bottom indicates "© 2008 - 2020, Amazon Internet Services Private Ltd, or its affiliates. All rights reserved. Privacy Policy Terms of Use".

Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot

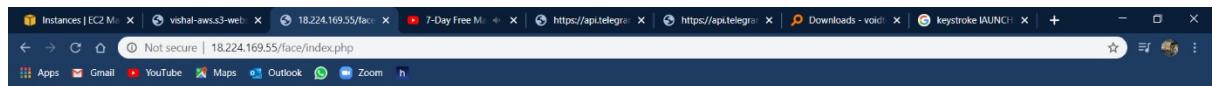


Image upload done... Here is the URL: <https://vishal-aws.s3.us-east-2.amazonaws.com/sample.jpg> Totally there are 9 faces