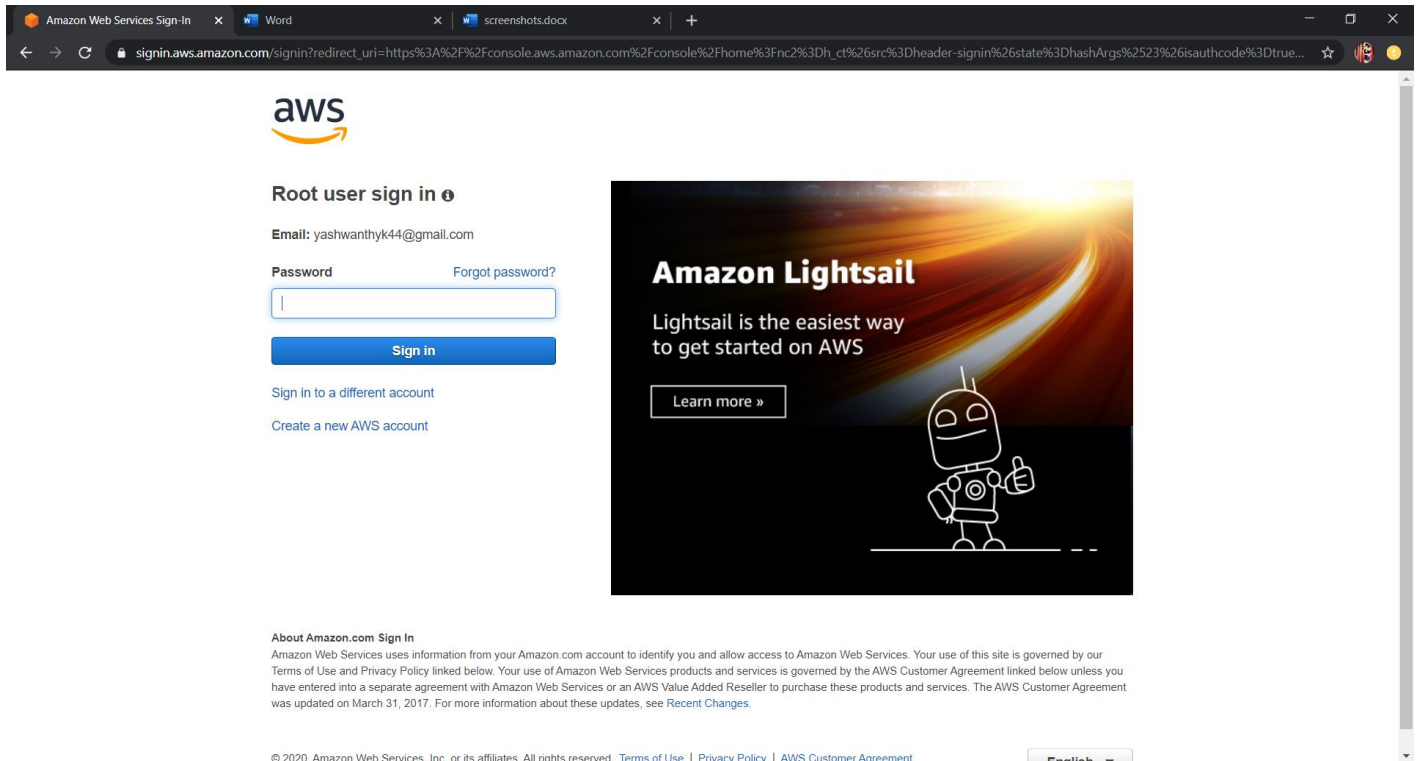


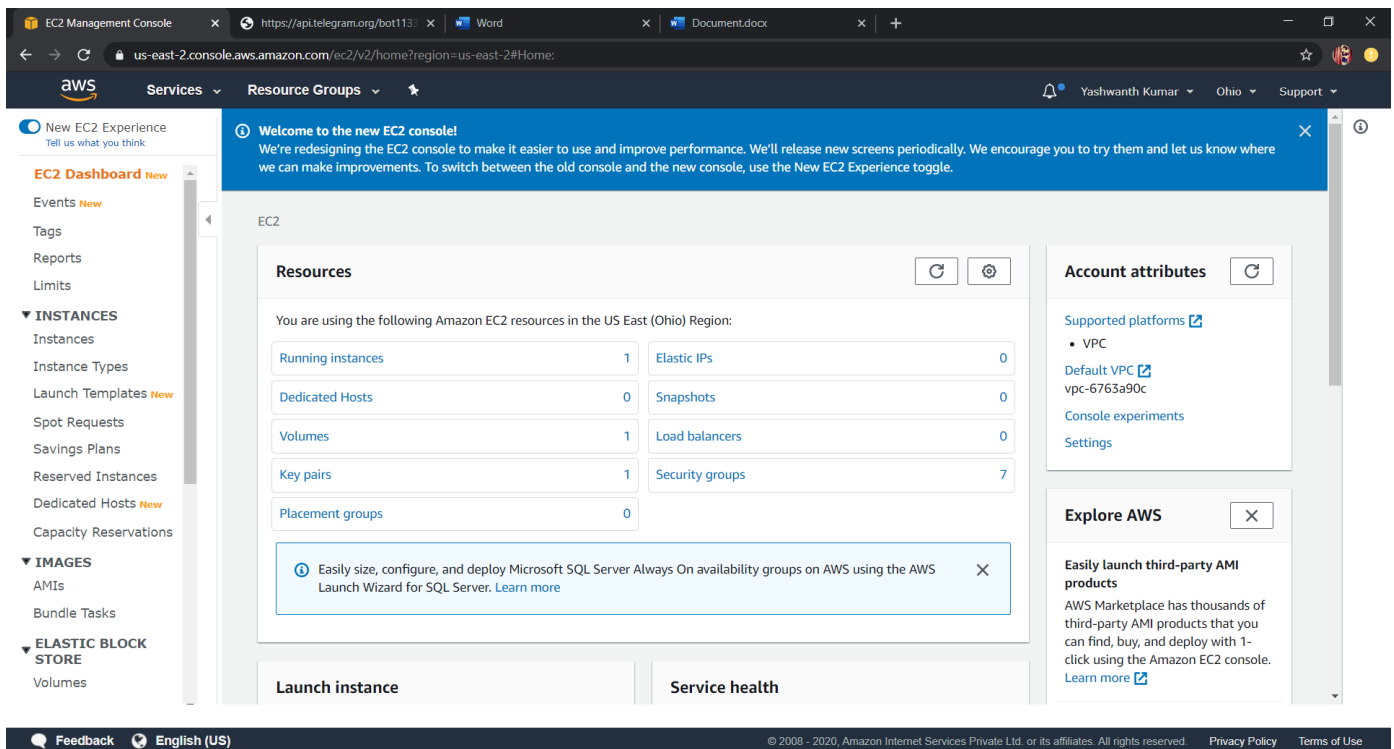
FACE DETECTION ON AWS BY YASHWANTH KUMAR M

Screenshots needed for Dash board

1)AWS login screen with user name



2)EC2 dashboard



3) S3 Dashboard

The screenshot displays the AWS S3 Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', and 'Resource Groups'. A user profile 'Yashwanth Kumar' is visible in the top right. A blue notification banner at the top states: '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.'

The left sidebar contains the 'Amazon S3' section with a search icon. Below it, there's a 'Buckets' link, followed by 'Batch operations' and 'Access analyzer for S3'. Further down, there's a link for 'Block public access (account settings)' and a 'Feature spotlight' with a '2' badge.

The main content area is titled 'Amazon S3' and shows a 'Buckets (1)' section. It includes a search bar with the placeholder 'Find bucket by name', a pagination control showing '1', and a settings icon. Below this is a table with the following data:

	Name	Region	Access	Bucket created
•	aws-yashwanth	US East (Ohio) us-east-2	Objects can be public	2020-03-27T14:11:35.000Z

At the bottom of the console, there's 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'.

4) Rekognition Dashboard

Rekognition Console

https://api.telegram.org/bot113: x Document.docx x +

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

aws

Services

Resource Groups

Yashwanth Kumar

Ohio

Support

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

Developer resources

Pricing

FAQ

Forum


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 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

Feedback

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Screenshots needed for EC2

1)Choosing an AMI

Launch instance wizard | EC2 Ma x +

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

aws

Services

Resource Groups

Yashwanth Kumar

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 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

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**
Free tier eligible

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

Select


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

**Amazon Linux**
Free tier eligible

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

Select


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

**Red Hat**
Free tier eligible

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)

Select

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

**SUSE Linux**

SUSE Linux Enterprise Server 15 SP4 (HVM), SSD Volume Type - ami-0a6f5b5f1e148095 (64-bit x86) / ami-02a73002019019171 (64-bit Arm)

Select

SUSE Linux Enterprise Server 15 SP4 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

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2) Choosing an instance type

Launch instance wizard | EC2 M...

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

aws

Services

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Yashwanth Kumar

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 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
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel

Previous

Review and Launch

Next: Configure Instance Details

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3) Add storage

Launch instance wizard | EC2 M...

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

aws

Services

Resource Groups

Yashwanth Kumar

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	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

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4) Configuring Security Group

Launch instance wizard | EC2 M... x Document.docx x +

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

aws Services Resource Groups

Yashwanth Kumar 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 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	Anywhere 0.0.0.0/0, ::/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**

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5) Key Pair Download (with name aws_webinar)(did not take screenahot while creating it)

Launch instance wizard | EC2 M... x +

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

aws Services Resource Groups

Yashwanth Kumar 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 7: Review Instance Launch

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	Variable	1

Security Groups

Security group name: launch-wizard-4
Description: launch-wizard-4 created 2020-04-02T13:20:05.569+05:30

Type	Protocol
SSH	TCP
HTTP	TCP
HTTP	TCP

Instance Details

Storage

Tags

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

aws_webinar

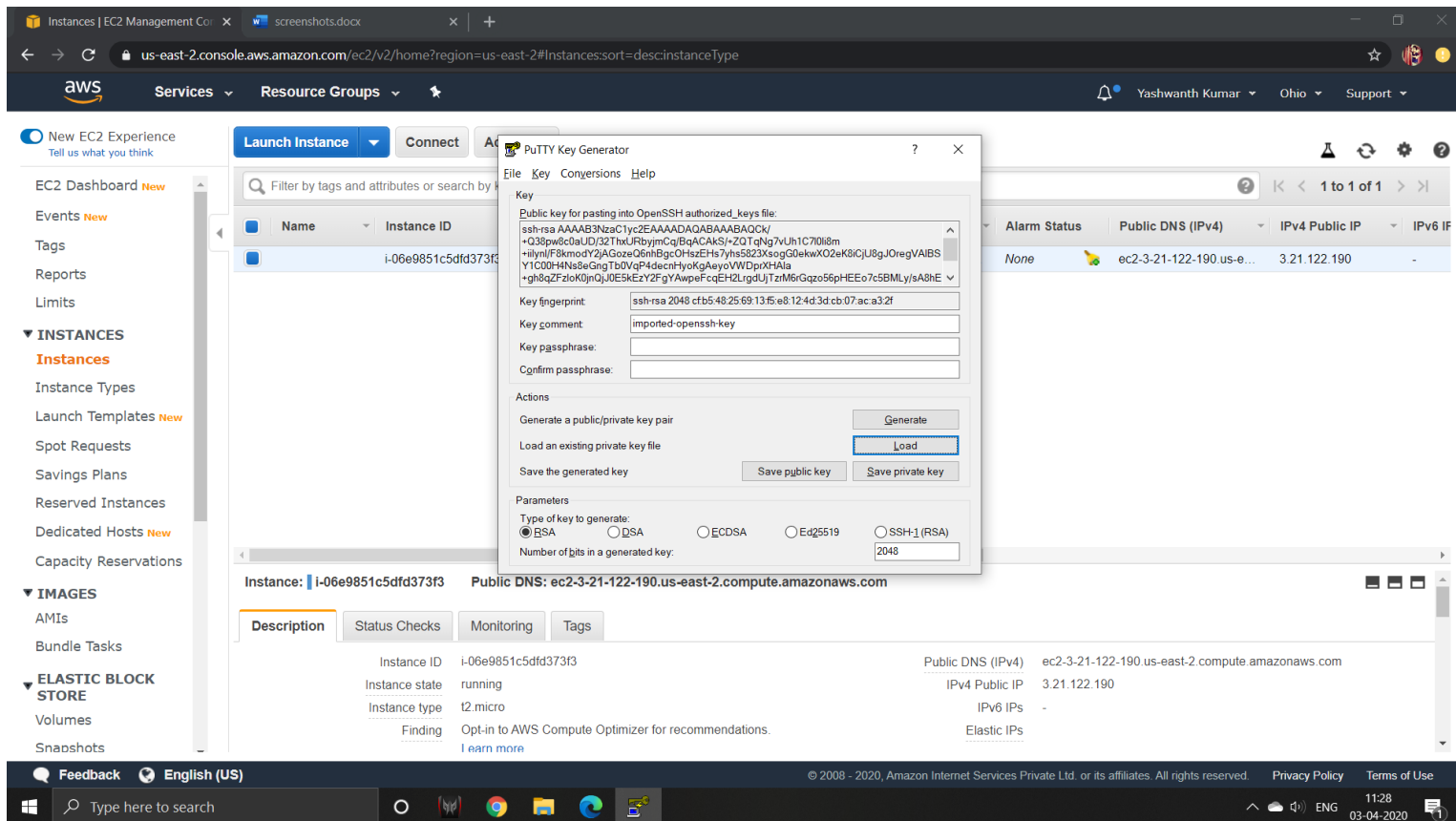
☒ I acknowledge that I have access to the selected private key file (aws_webinar.pem), and that without this file, I won't be able to log into my instance.

Cancel **Launch Instances**

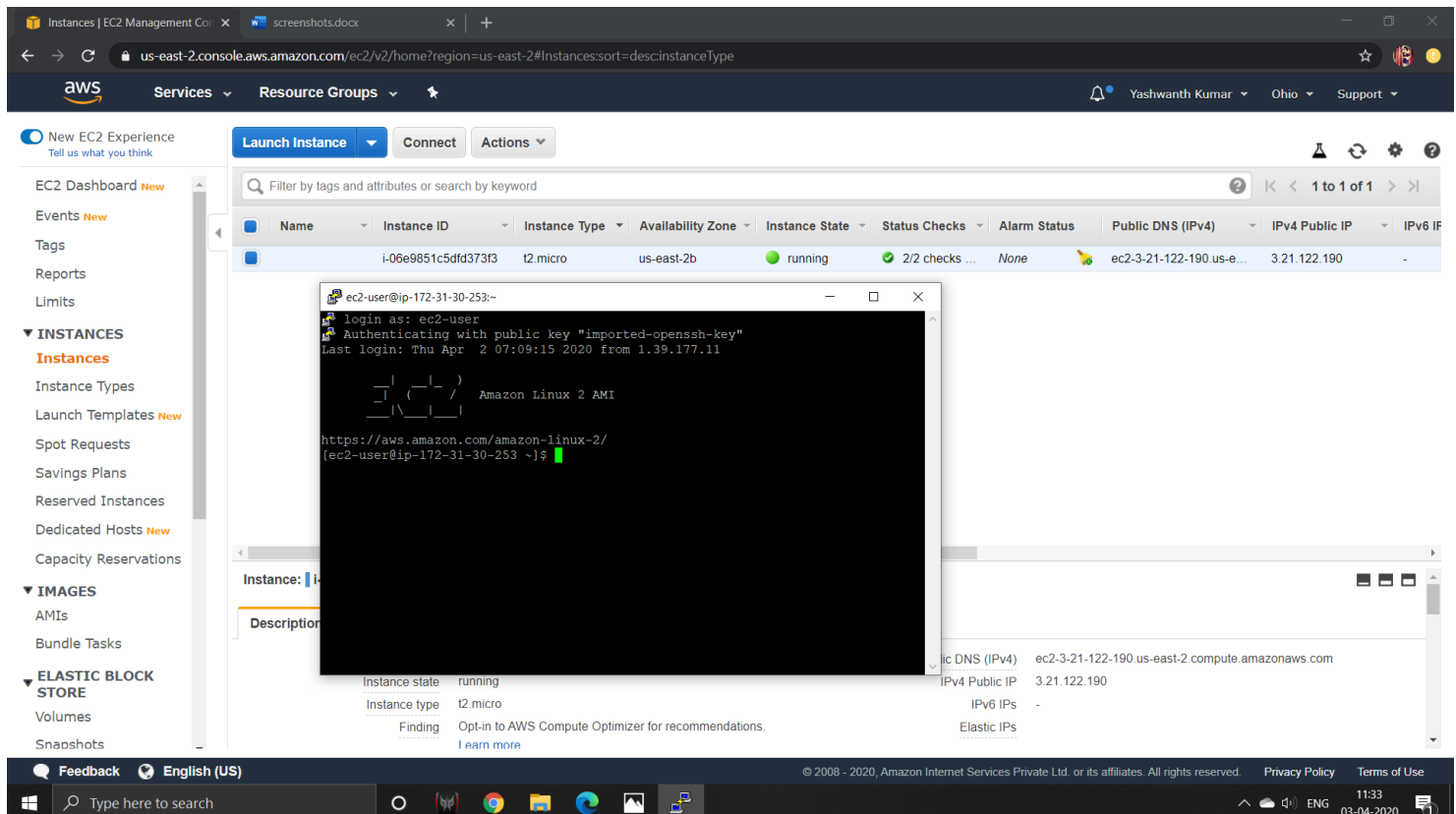
Cancel Previous **Launch**

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6) PuTTY gen conversion from pem to ppk



7) Logged in EC2 Black Screen



Screenshots Needed For S3

1) Creating A Bucket

The screenshot shows the AWS S3 console 'Create bucket' page. The browser address bar shows the URL `s3.console.aws.amazon.com/s3/bucket/create?region=us-east-2`. The page title is 'Create bucket'. Under the 'General configuration' section, the 'Bucket name' field contains 'aws-yash' and the 'Region' dropdown is set to 'US East (Ohio) us-east-2'. Below this, the 'Bucket settings for Block Public Access' section is visible, with the 'Block all public access' checkbox checked. A notification banner at the top states: '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.'

2) Uploading an Object

The screenshot shows the AWS S3 console bucket view for 'aws-yash'. The browser address bar shows the URL `s3.console.aws.amazon.com/s3/buckets/aws-yash/?region=us-east-2`. The page has tabs for 'Overview', 'Properties', 'Permissions', 'Management', and 'Access points', with 'Overview' selected. Below the tabs is a search bar. Action buttons include 'Upload', '+ Create folder', 'Download', and 'Actions'. The region 'US East (Ohio)' is displayed. A table lists the objects in the bucket:

Name	Last modified	Size	Storage class
index.html	Apr 3, 2020 11:46:54 AM GMT+0530	218.0 B	Standard

At the bottom, an 'Upload' progress bar shows '100% Successful'. Below the progress bar, it shows '0 In progress', '1 Success', and '0 Error'.

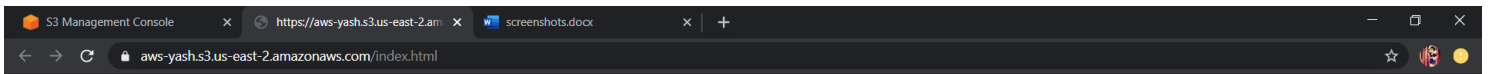
3) Enabling Static Website

The screenshot shows the AWS S3 Management Console interface. The main content area displays three configuration options: 'Versioning', 'Server access logging', and 'Static website hosting'. The 'Static website hosting' modal is open, showing the endpoint `http://aws-yash.s3-website.us-east-2.amazonaws.com`. It has two radio buttons: 'Use this bucket to host a website' (selected) and 'Redirect requests'. The 'Index document' field contains `index.html` and the 'Error document' field contains `error.html`. At the bottom, the 'Bucket hosting' option is selected with a checkmark. The 'Save' button is visible.

4) Making The Object Public

The screenshot shows the AWS S3 Management Console interface for the 'index.html' object. The 'Overview' tab is selected, showing details like Owner, Last modified, Etag, Storage class, and Server-side encryption. Below the details, there are buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. At the bottom, there are two progress bars: 'Upload' and 'Make public', both showing '100% Successful'. The 'Operations' bar at the bottom shows '0 In progress', '2 Success', and '0 Error'.

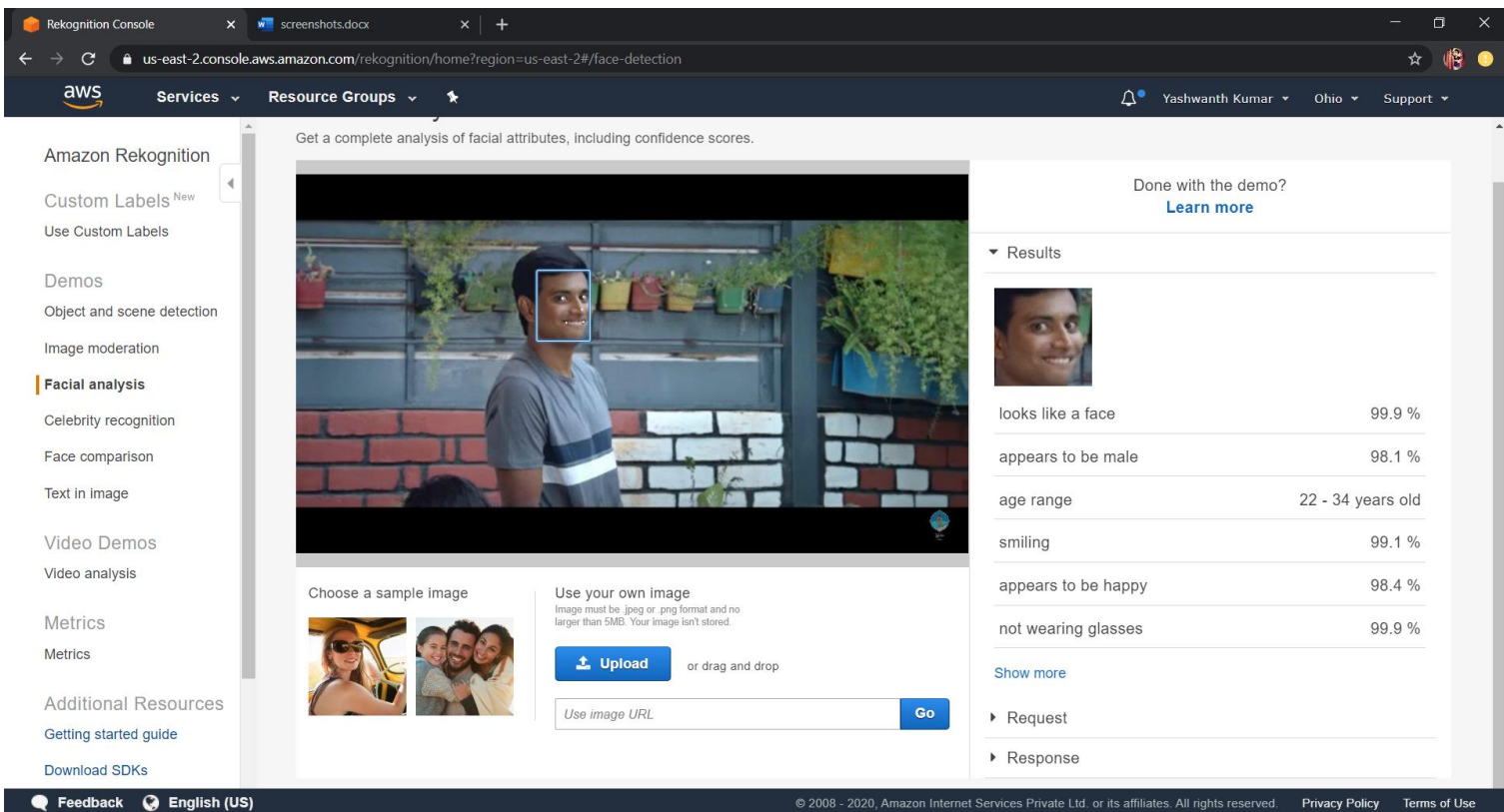
5) Checking the S3 link in browser



“You clearly don’t know who you’re talking to, so let me clue you in. I am not in danger, Skyler. I am the danger. A guy opens his door and gets shot, and you think that of me? No! I am the one who knocks!”

Screenshots needed for Reckognition

1) Face detect



2) Face Compare

Rekognition Console screenshots.docx

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

aws Services Resource Groups

Yashwanth Kumar Ohio Support


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


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

 \neq 

► Request

► Response

Feedback English (US)

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vijay.jpg srk.jpg Show all

3) Celebrity Reckognition

Rekognition Console screenshots.docx

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

aws Services Resource Groups


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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

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.



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

▼ Results

No celebrity faces recognized

► Request

► Response

Feedback English (US)

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vijay.jpg srk.jpg Show all

4) Text in image

Amazon Rekognition

Text in image

Rekognition automatically detects and extracts text in your images. [Learn More](#)

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

Results (US English only)

Protect | yourself | from | the | Mask, | wear | Coronavirus | Umar | Akmal |

Request

Response

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

Screenshots Needed For EC2 & S3

1) Installing AWS-SDK

Instances | EC2 Management Console

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

Launch Instance

Connect

Actions

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instance

Dedicated Hosts

Capacity Reservati

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

```
ec2-user@ip-172-31-30-253:/var/www/html/face$ login as: ec2-user
[ec2-user@ip-172-31-30-253 ~]$ cd /var/www/html/face
[ec2-user@ip-172-31-30-253 face]$ sudo php -d memory_limit=1 ~/composer.phar require aws/aws-sdk-php
Using version 3.134 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 0 installs, 1 update, 0 removals
  - Updating aws/aws-sdk-php (3.134.1 => 3.134.2): Downloading (100%)
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-172-31-30-253 face]$
```

Instance State: Running

Instance type: t2.micro

Finding

Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

IPv4 Public IP: 3.21.122.190

IPv6 IPs: -

Elastic IPs: -

90 us-east-2.compute.amazonaws.com

2) Installing Php

The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal output shows the command `sudo yum install php` being executed, which successfully installs PHP. The instance details show it is running on an `i-06e9851c5dfd373f3` instance with a public IP of `3.21.122.190`.

```
[ec2-user@ip-172-31-30-253 /var/www/html/face]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-7.2.28-1.amzn2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-30-253 /var/www/html/face]$
```

Instance: `i-06e9851c5dfd373f3` Public DNS: `ec2-3-21-122-190.us-east-2.compute.amazonaws.com`

Description	Status Checks	Monitoring	Tags
Instance ID	<code>i-06e9851c5dfd373f3</code>	Public DNS (IPv4)	<code>ec2-3-21-122-190.us-east-2.compute.amazonaws.com</code>
Instance state	running	IPv4 Public IP	<code>3.21.122.190</code>
Instance type	<code>t2.micro</code>	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations.	Elastic IPs	-

3) index.php file code

The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal output shows the code for the `index.php` file, which uses the AWS SDK for PHP to detect faces in an image. The instance details show it is running on an `i-06e9851c5dfd373f3` instance with a public IP of `3.21.122.190`.

```
'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,
            ],
        ],
    ]);

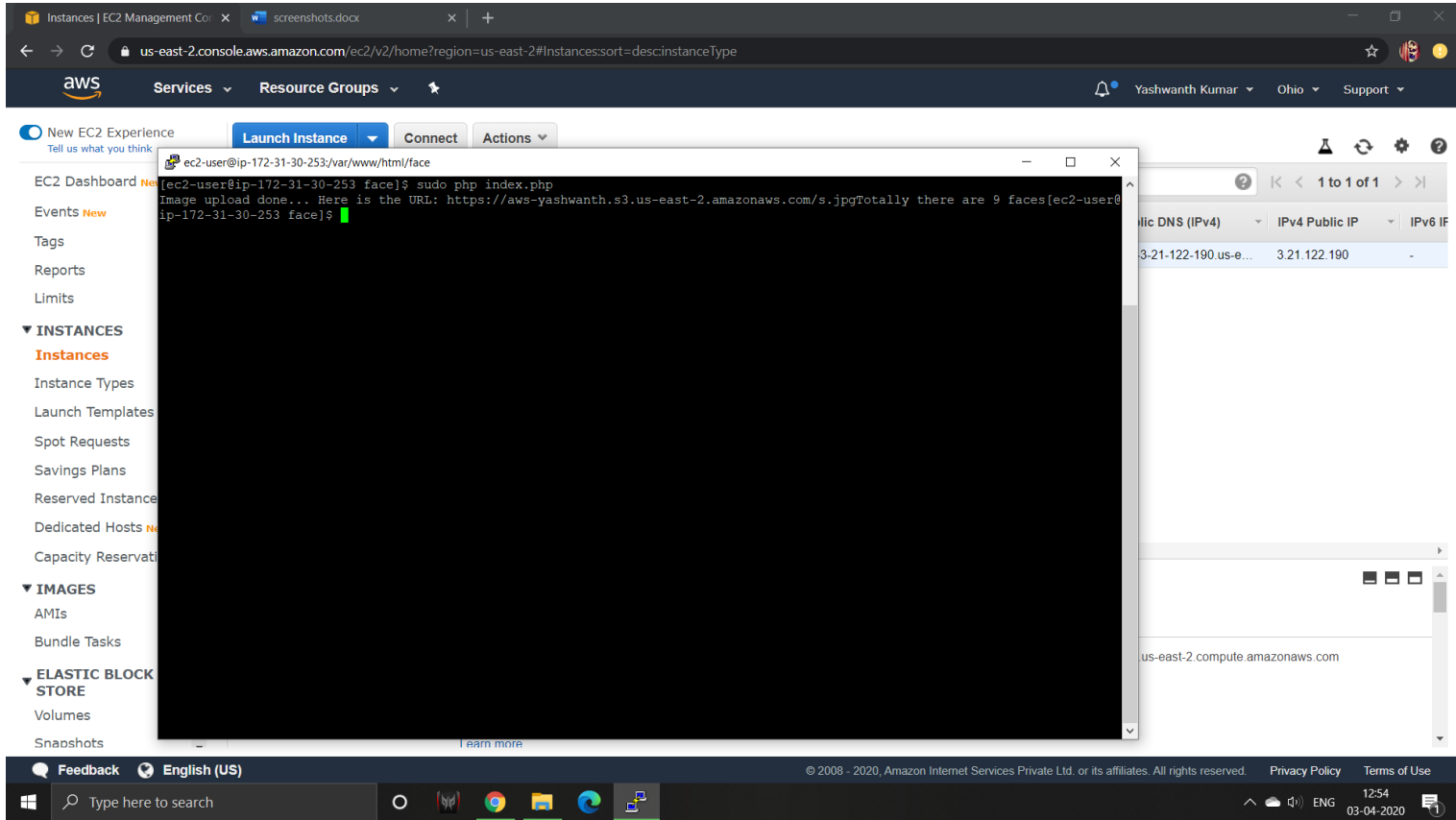
    echo "Totally there are " . count($result["FaceDetails"]) . " faces";
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

-- INSERT --
```

Instance: `i-06e9851c5dfd373f3` Public DNS: `ec2-3-21-122-190.us-east-2.compute.amazonaws.com`

Description	Status Checks	Monitoring	Tags
Instance state	running	Public DNS (IPv4)	<code>ec2-3-21-122-190.us-east-2.compute.amazonaws.com</code>
Instance type	<code>t2.micro</code>	IPv4 Public IP	<code>3.21.122.190</code>
Finding	Opt-in to AWS Compute Optimizer for recommendations.	IPv6 IPs	-

4) Upload Success Screenshot



Screenshots needed for EC2 & Reckognition

1) Face Detect Success Screenshot

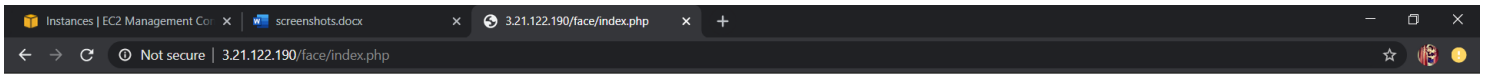


Image upload done... Here is the URL: <https://aws-yashwanth.s3.us-east-2.amazonaws.com/s.jpg> Totally there are 9 faces