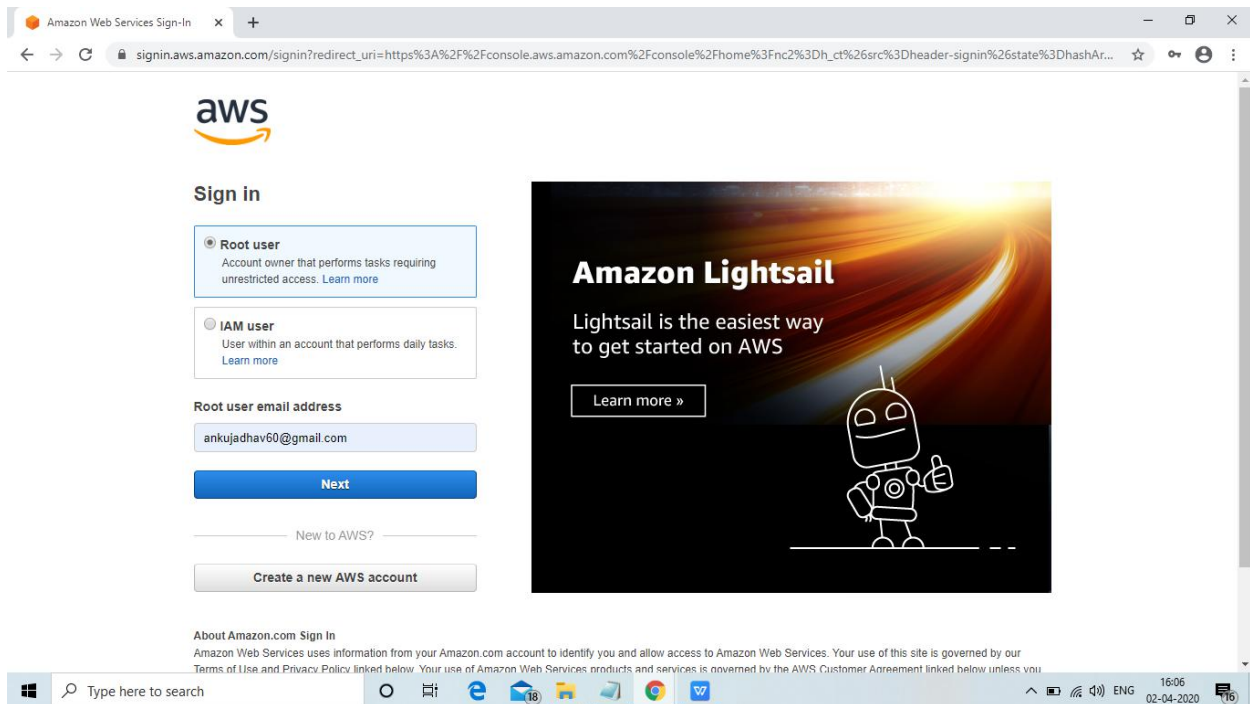


Name:Ankita Vikas Jadhav.

Email:ankujadhav60@gmail.com

Screenshots needed for Dashboards:

1. AWS Login screen with username



2. EC2 Dashboard

The screenshot shows the AWS EC2 Management Console. The left sidebar contains navigation links for 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES' (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations), 'IMAGES' (with sub-links for AMIs and Bundle Tasks), and 'Bundle Tasks'. The main content area is titled 'EC2' and includes a 'Resources' section showing a summary of EC2 resources in the US East (Ohio) Region. Below this is a 'Launch instance' section with a 'Launch Instance' button. On the right, there are sections for 'Account attributes' and 'Additional information'. The bottom of the console shows a footer with 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'. The Windows taskbar at the bottom displays the search bar, task view, and several application icons.

Resources

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

Resource	Count
Running instances	2
Elastic IPs	0
Dedicated Hosts	0
Snapshots	0
Volumes	2
Load balancers	0
Key pairs	3
Security groups	8
Placement groups	0

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

[Launch Instance](#)

Account attributes

Supported platforms

- VPC

Default VPC: vpc-4e6fa525

Console experiments

Settings

Additional information

Getting started guide

Documentation

All EC2 resources

Forums

3. S3 Dashboard

The screenshot shows the AWS S3 Management Console. The left sidebar contains navigation links for 'Amazon S3', 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'. The main content area is titled 'Amazon S3' and includes a 'Buckets (2)' section with a search bar and a table of buckets. The table has columns for Name, Region, Access, and Bucket created. The bottom of the console shows a footer with 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'. The Windows taskbar at the bottom displays the search bar, task view, and several application icons.

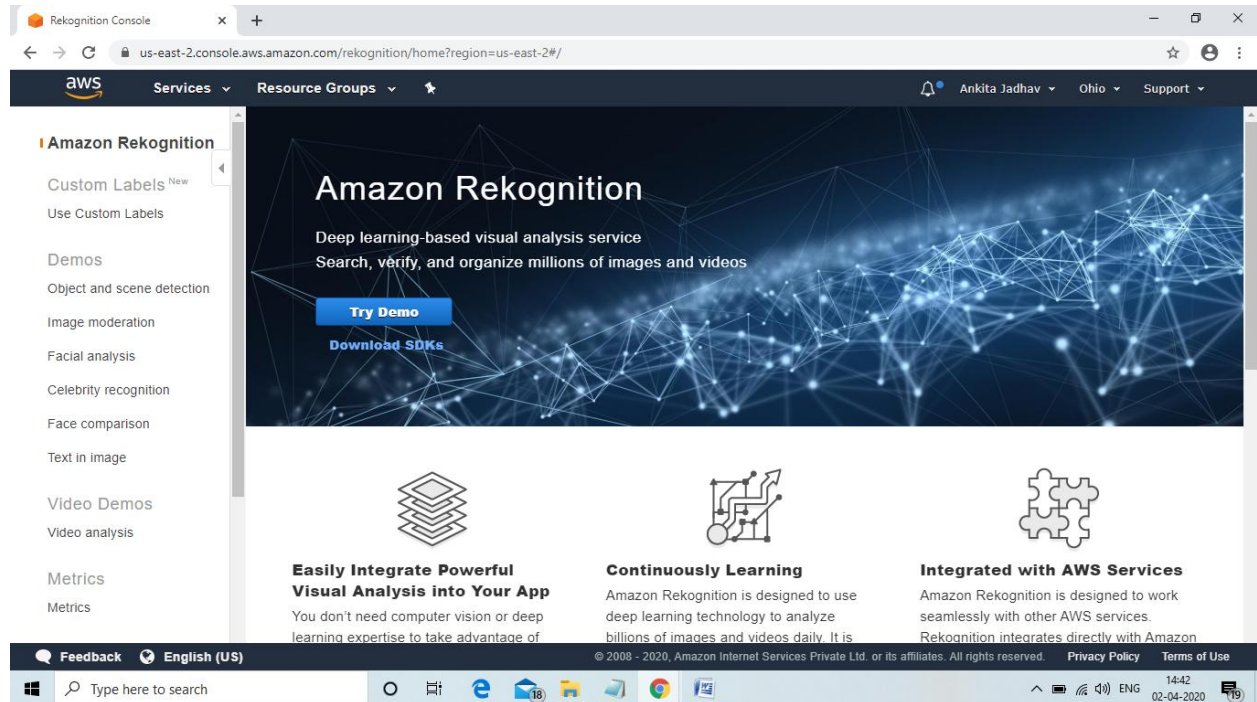
Buckets (2)

Copy ARN Empty Delete Create bucket

Find bucket by name

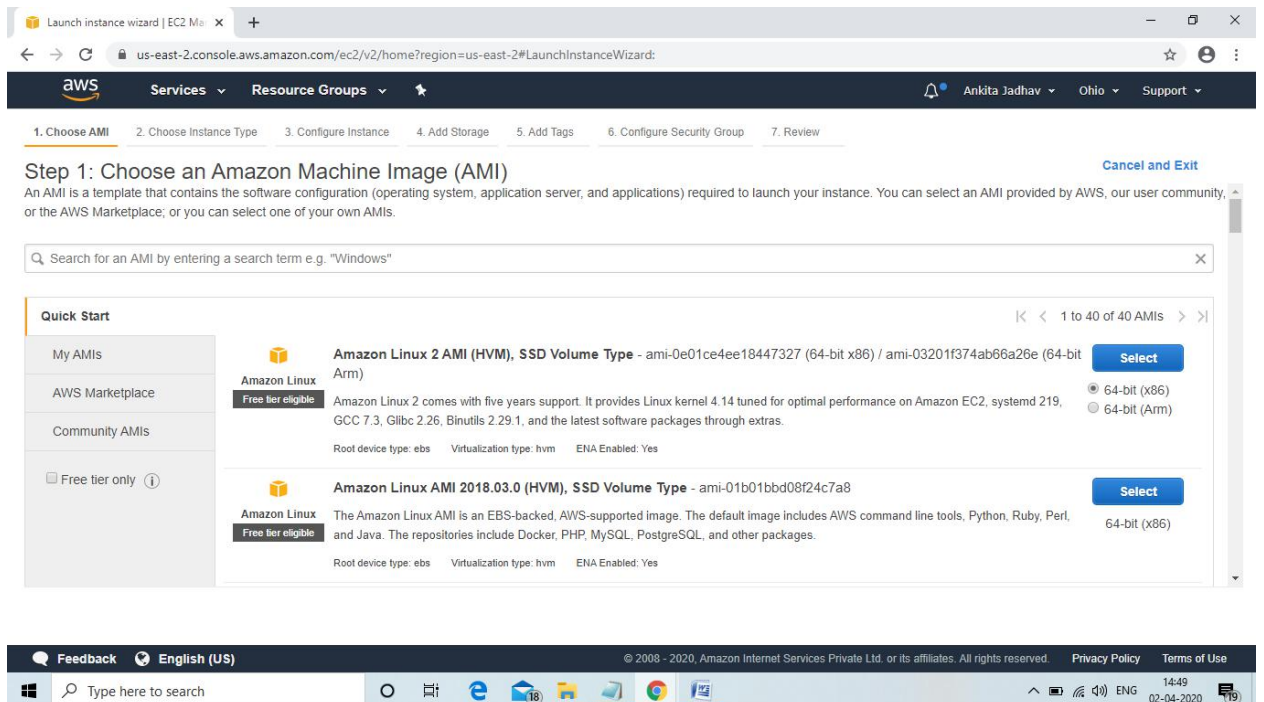
Name	Region	Access	Bucket created
aws-ankita	US East (Ohio) us-east-2	Objects can be public	2020-03-28T05:19:19.000Z
aws-webinar-ankita	US East (Ohio) us-east-2	Objects can be public	2020-04-02T09:32:20.000Z

4. Rekognition Dashboard



Screenshots needed for EC2

1. Choosing an AMI



2.Choosing an Instance Type

Launch instance wizard | EC2 Me x +

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

aws Services Resource Groups

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

Cancel Previous Review and Launch Next: Configure Instance Details

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Type here to search

3.Adding Storage

Launch instance wizard | EC2 Me x +

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

aws Services Resource Groups

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 Encrypt

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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Type here to search

4. Configuring Security Group

Launch instance wizard | EC2 M...

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

aws Services Resource Groups

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

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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Type here to search

2. Key Pair Download

Launch instance wizard | EC2 M...

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

aws Services Resource Groups

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

Please review your instance launch details. You can edit details at any time.

Improve your instances' security
Your instances may be accessible from the Internet. You can also open additional ports in your security groups.

AMI Details
Amazon Linux 2 AMI (HVM), S...
Free tier eligible
Amazon Linux 2 comes with five years of support and a wide range of software packages through extras.
Root Device Type: ebs Virtualization type: paravirtual

Instance Type
Instance Type: t2.micro ECUs: Variable

Network Performance
Low to Moderate

Cancel Previous Launch

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Type here to search

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.

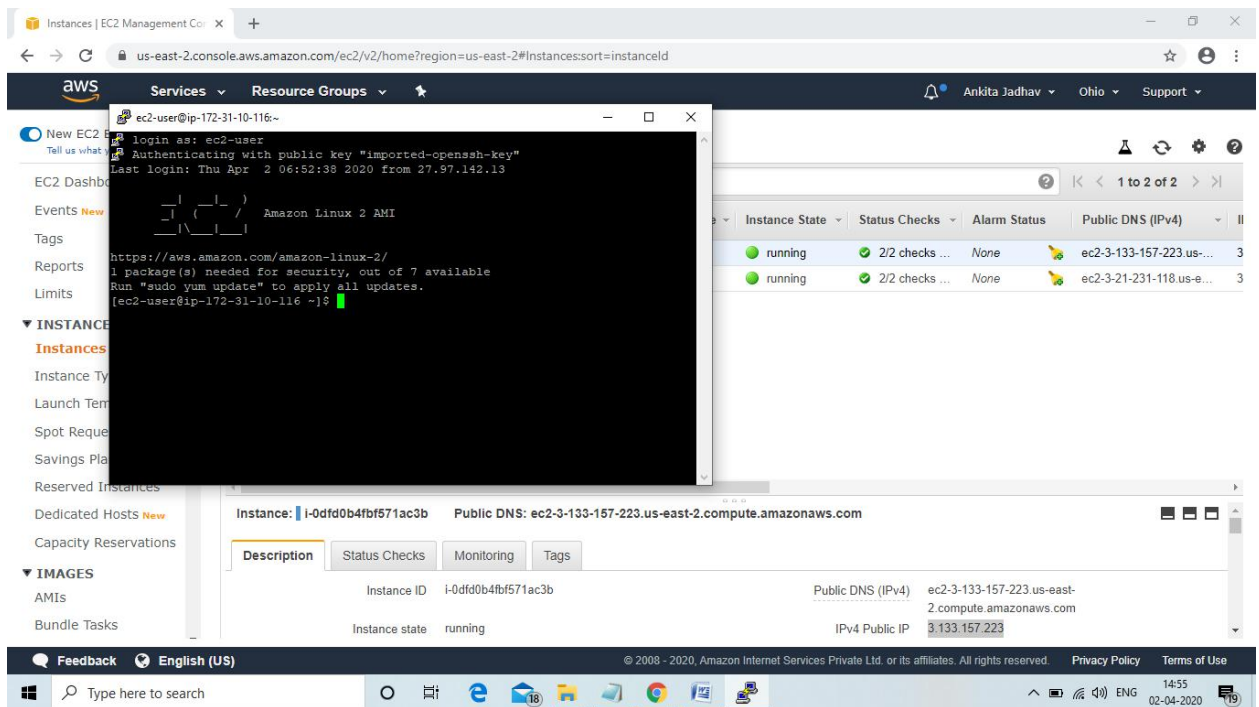
Note: The selected key pair will be added to the set of keys authorized for this instance. [Learn more about removing existing key pairs from a public AMI.](#)

Choose an existing key pair
Select a key pair
ankita

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

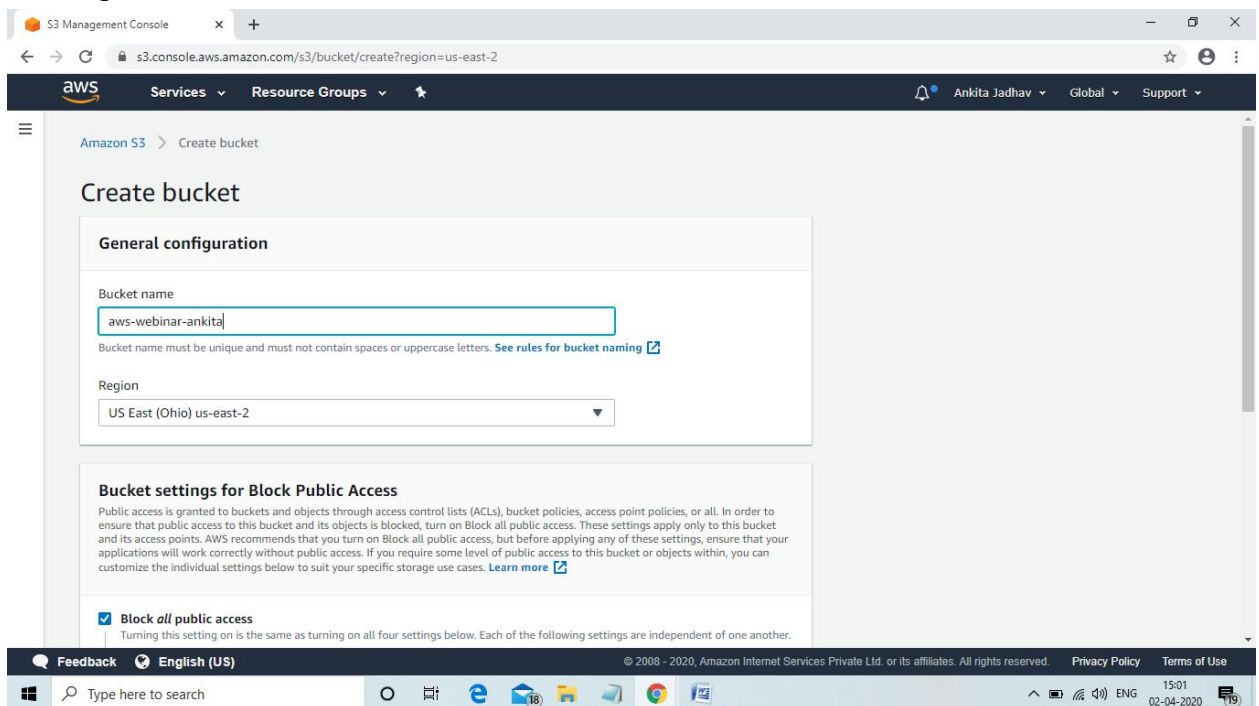
Cancel Launch Instances

3. Logged in EC2 black screen



Screenshots needed for S3

1. Creating a bucket



2. Uploading an Object

The screenshot shows the AWS S3 Management Console interface. The browser address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/aws-webinar-ankita/?region=us-east-2`. The console header includes the AWS logo, navigation tabs for Services, Resource Groups, and a user profile for Ankita Jadhav. The main content area is titled 'aws-webinar-ankita' and features tabs for Overview, Properties, Permissions, Management, and Access points. Below the tabs is a search bar with the placeholder text 'Type a prefix and press Enter to search. Press ESC to clear.' Below the search bar are buttons for Upload, Create folder, Download, and Actions. The region is set to 'US East (Ohio)'. A table lists the objects in the bucket:

Name	Last modified	Size	Storage class
index.html	Apr 2, 2020 3:04:29 PM GMT+0530	20.0 B	Standard

At the bottom of the console, there is a status bar showing '0 In progress', '1 Success', and '0 Error'. The footer includes copyright information for 2008-2020 Amazon Internet Services Private Ltd. and links to Privacy Policy and Terms of Use.

3. Enabling Static Website

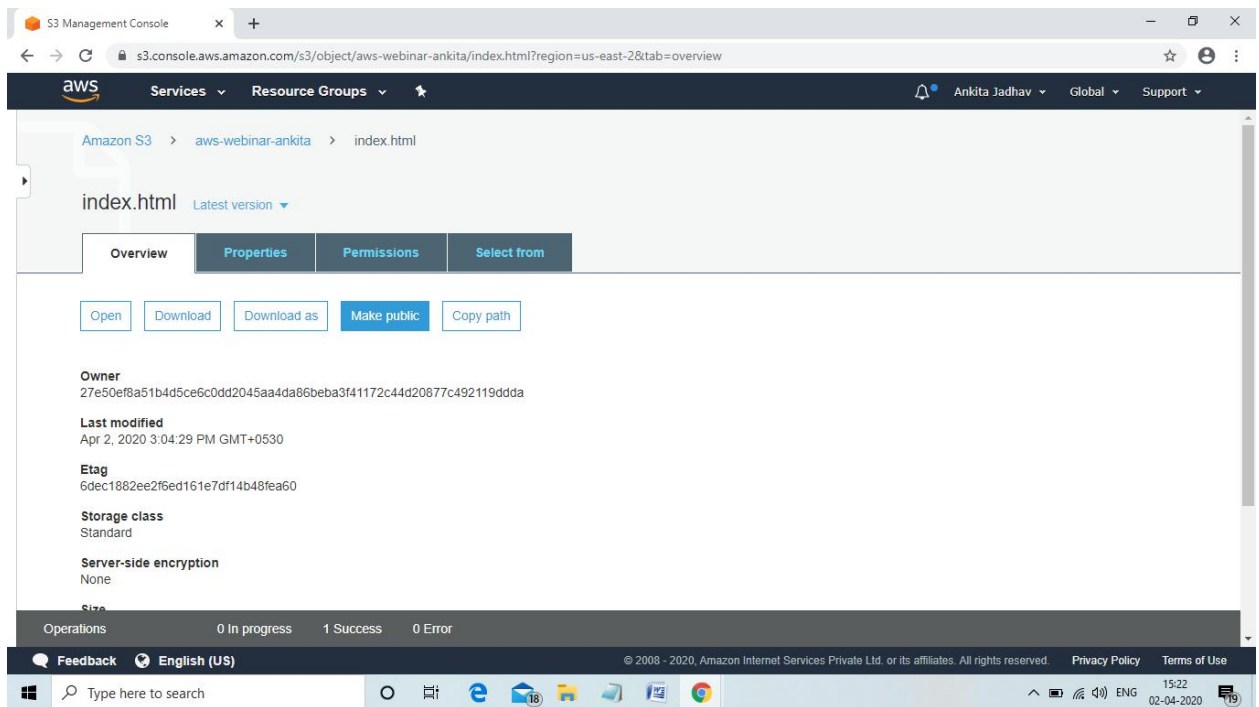
The screenshot shows the 'Static website hosting' configuration page in the AWS S3 Management Console. The browser address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/aws-webinar-ankita/?region=us-east-2&tab=properties`. The console header is the same as in the previous screenshot. The main content area is titled 'Static website hosting' and includes the following configuration options:

- Endpoint: `http://aws-webinar-ankita.s3-website-us-east-2.amazonaws.com`
- ☒ Use this bucket to host a website (Learn more)
- Index document: `index.html`
- Error document: `error.html`
- Redirection rules (optional): (Empty text area)
- ☐ Redirect requests (Learn more)
- ☐ Disable website hosting

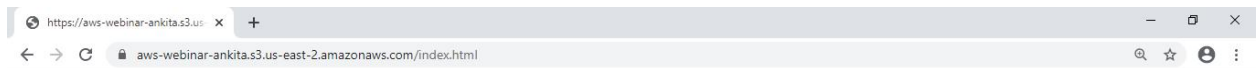
On the right side of the configuration panel, there is a section for 'Object-level logging' with the text: 'Record object-level API activity using the CloudTrail data events feature (additional cost). (Learn more)'. Below this, there is a toggle switch labeled 'Disabled'.

At the bottom of the console, there is a status bar showing '0 In progress', '1 Success', and '0 Error'. The footer includes copyright information for 2008-2020 Amazon Internet Services Private Ltd. and links to Privacy Policy and Terms of Use.

4. Making the Object Public



5. Checking the S3 link on the browser

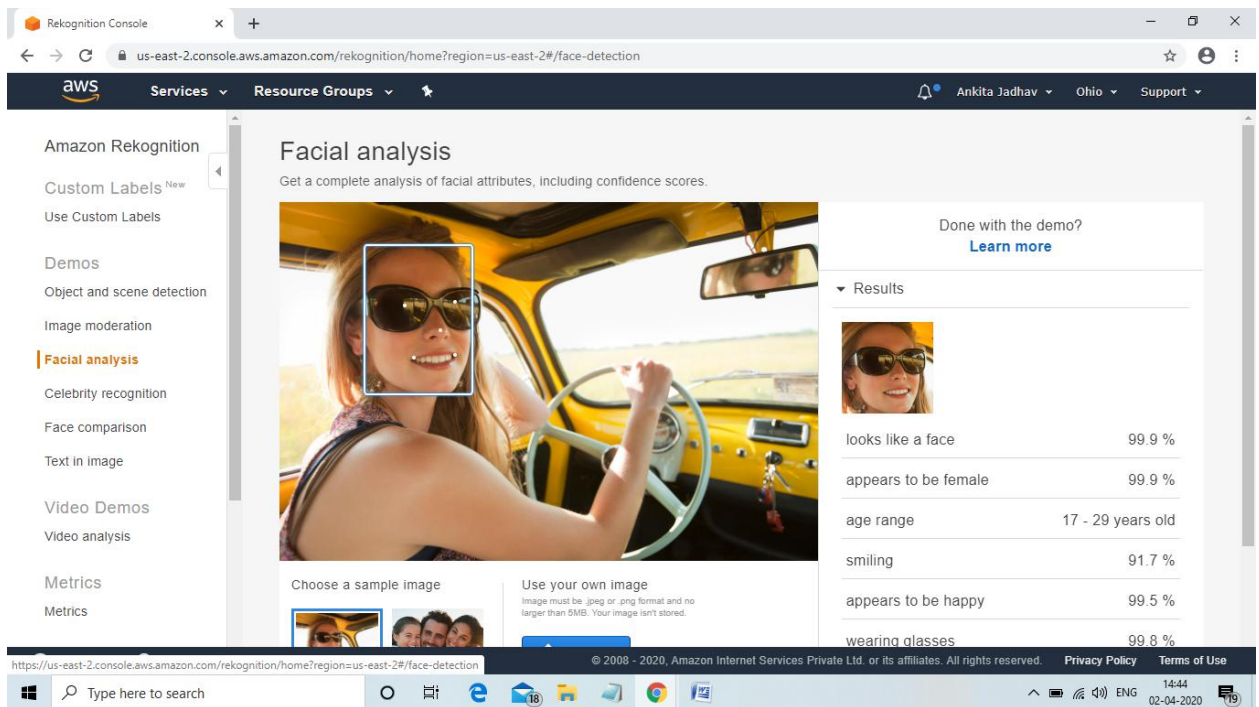


ankita Vikas Jadhav.

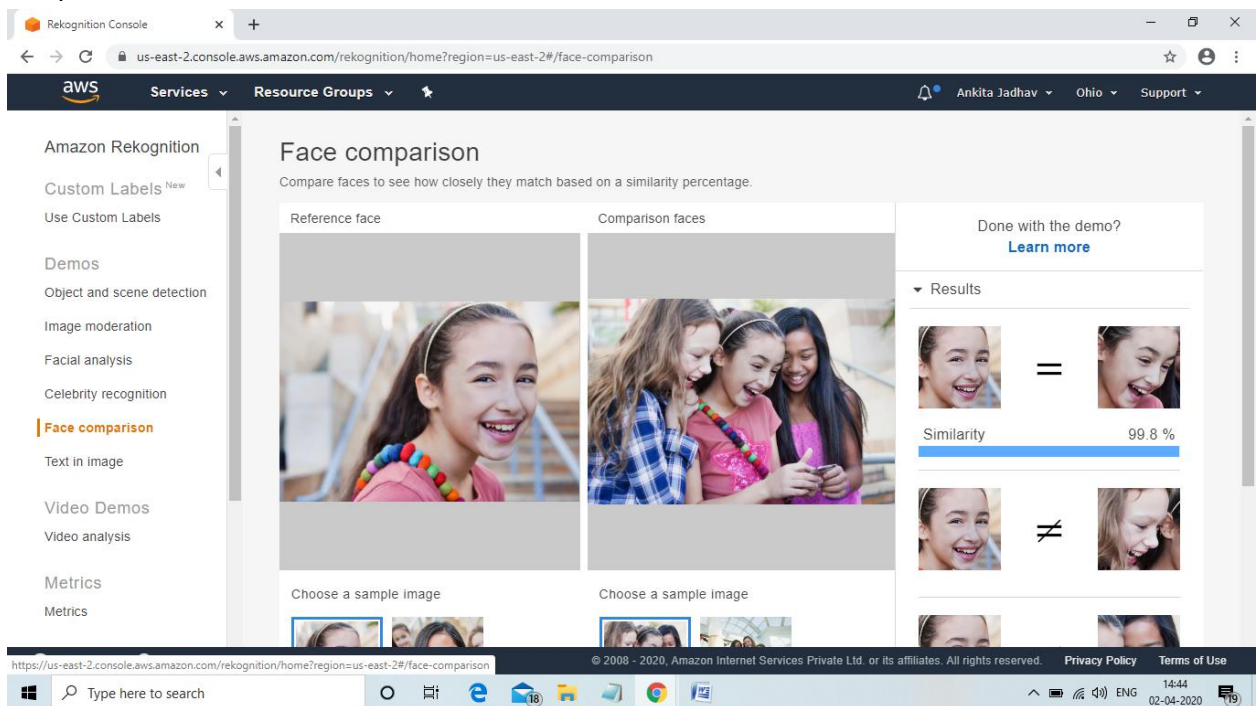


Screenshots needed for Rekognition

1. Face Detect



2.Face Compare



3. Celebrity Recognition

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

Choose a sample image

Use your own image

Image must be .jpg or .png format and no larger than 5MB. Your image isn't stored.

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

▼ Results

Jeff Bezos [Learn More](#)

Match confidence 100 %

► Request

► Response

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14:45 02-04-2020

4. Text in Image

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Text in image

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

Choose a sample image

Use your own image

Image must be .jpg or .png format and no larger than 5MB. Your image isn't stored.

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

▼ Results US English only

| IT'S |
| MONDAY |
| but keep |
| Smiling |

► Request

► Response

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14:46 02-04-2020

Screenshots needed for EC2 & S3:

1. Installing aws-sdk

The screenshot shows the AWS Management Console for an EC2 instance. A terminal window is open, displaying the output of a composer command. The output shows that composer has been created and dependencies are being updated. The dependencies listed are: symfony/event-dispatcher (v2.8.52), guzzle/guzzle (v3.9.3), and aws/aws-sdk-php (2.8.31). The terminal also shows suggestions for installing symfony/dependency-injection, symfony/http-kernel, guzzlehttp/guzzle, doctrine/cache, and ext-apc. The instance details page shows the instance is running with a public IP of 3.133.157.223.

```
./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/http-kernel suggests installing symfony/http-filesystem
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-172-31-10-116 face]$
```

2. Installing php

The screenshot shows a terminal window on an Amazon Linux 2 instance. The terminal displays the output of the 'yum install php' command. The output shows that the packages are being installed and the transaction is successful. The installed packages are: php-common-5.4.16-46.amzn2.0.2.x86_64, php-cli-5.4.16-46.amzn2.0.2.x86_64, and php-5.4.16-46.amzn2.0.2.x86_64. The terminal also shows the output of the 'yum list installed' command, which lists the installed packages.

```
Package Arch Version Repository Size
Installing:
php x86_64 5.4.16-46.amzn2.0.2 amzn2-core 1.4 M
Installing for dependencies:
libzip010-compat x86_64 0.10.1-9.amzn2.0.5 amzn2-core 30 k
php-cli x86_64 5.4.16-46.amzn2.0.2 amzn2-core 2.8 M
php-common x86_64 5.4.16-46.amzn2.0.2 amzn2-core 563 k

Transaction Summary
-----
Install 1 Package (+3 Dependent packages)

Total download size: 4.7 M
Installed size: 17 M
Is this ok [y/d/N]: y
Downloading packages:
(1/4): libzip010-compat-0.10.1-9.amzn2.0.5.x86_64.rpm | 30 kB 00:00:00
(2/4): php-5.4.16-46.amzn2.0.2.x86_64.rpm | 1.4 MB 00:00:00
(3/4): php-cli-5.4.16-46.amzn2.0.2.x86_64.rpm | 2.8 MB 00:00:00
(4/4): php-common-5.4.16-46.amzn2.0.2.x86_64.rpm | 563 kB 00:00:00
Total 26 MB/s | 4.7 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 1/4
Installing : php-common-5.4.16-46.amzn2.0.2.x86_64 2/4
Installing : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4
Installing : php-5.4.16-46.amzn2.0.2.x86_64 4/4
Verifying : php-5.4.16-46.amzn2.0.2.x86_64 1/4
Verifying : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 2/4
Verifying : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4
Verifying : php-common-5.4.16-46.amzn2.0.2.x86_64 4/4

Installed:
php.x86_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:
libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 php-cli.x86_64 0:5.4.16-46.amzn2.0.2 php-common.x86_64 0:5.4.16-46.amzn2.0.2

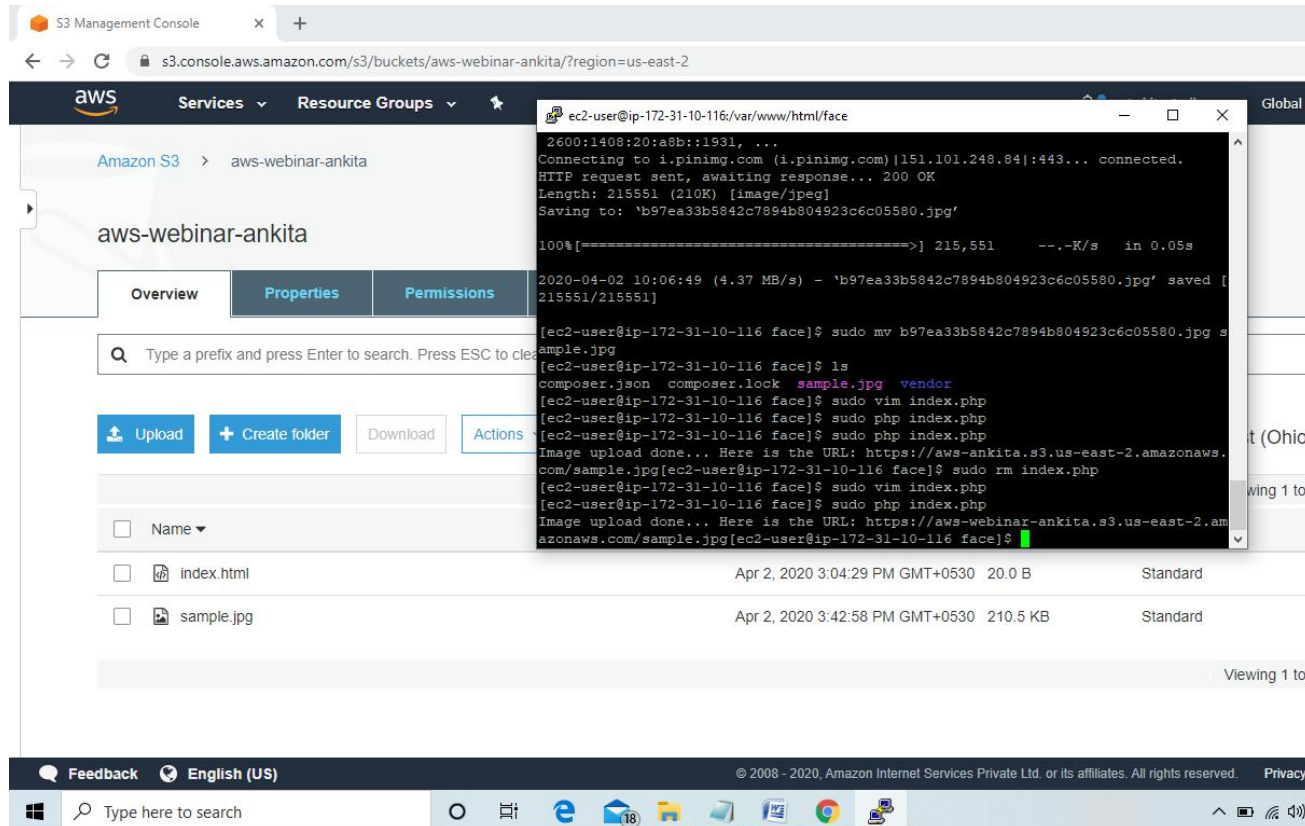
Complete!
[ec2-user@ip-172-31-10-116 ~]$
```


3. index.php file code

```
ec2-user@ip-172-31-10-116:/var/www/html/face
$ sudo php -m | grep install.php
$ curl -s https://getcomposer.org/installer | php
$ mv /var/www/html
$ sudo mkdir face
$ cd face
$ sudo php -d memory_limit=-1 -f composer.phar require aws/aws-sdk-php
$ cd www if you get memory error -
$ sudo /bin/ds if=/dev/zero of=/var/swap.1 bs=1M count=1024
$ sudo /sbin/mkswap /var/swap.1
$ sudo /sbin/swapon /var/swap.1
$ sudo wget https://i.pinimg.com/originals/bb/7e/a3/bb7e13b842c7894b804923c6c05580.jpg
$ sudo mv bb7e13b842c7894b804923c6c05580.jpg sample.jpg

error_reporting(E);
require_once( __DIR__ . '/vendor/autoload.php');
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;
$bucket = 'aws-ankita';
$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,
        '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;
}
```

4. Upload success screenshot



Screenshots needed for EC2 & Rekognition

1. Success screenshot

```
ec2-user@ip-172-31-10-116:/var/www/html/face
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Apr  2 10:16:35 2020 from 157.33.122.65

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

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-10-116 ~]$ cd /var/www/html
[ec2-user@ip-172-31-10-116 html]$ pwd
/var/www/html
[ec2-user@ip-172-31-10-116 html]$ ls
face  index.html
[ec2-user@ip-172-31-10-116 html]$ cd /var/www/html/face
[ec2-user@ip-172-31-10-116 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-10-116 face]$ ls
composer.json  composer.lock  index.php  sample.jpg  vendor
[ec2-user@ip-172-31-10-116 face]$ sudo vim index.php
[ec2-user@ip-172-31-10-116 face]$ sudo php index.php
```

