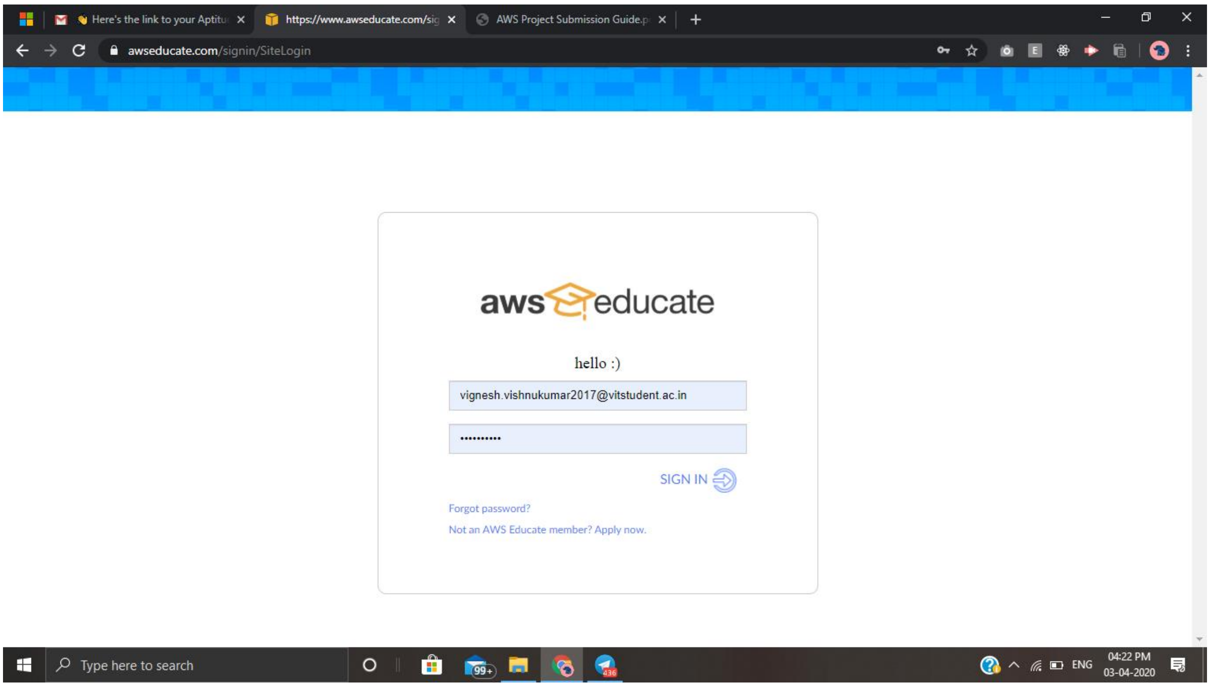
AWS

Screenshots for Dashboards

AWS Login screen with username



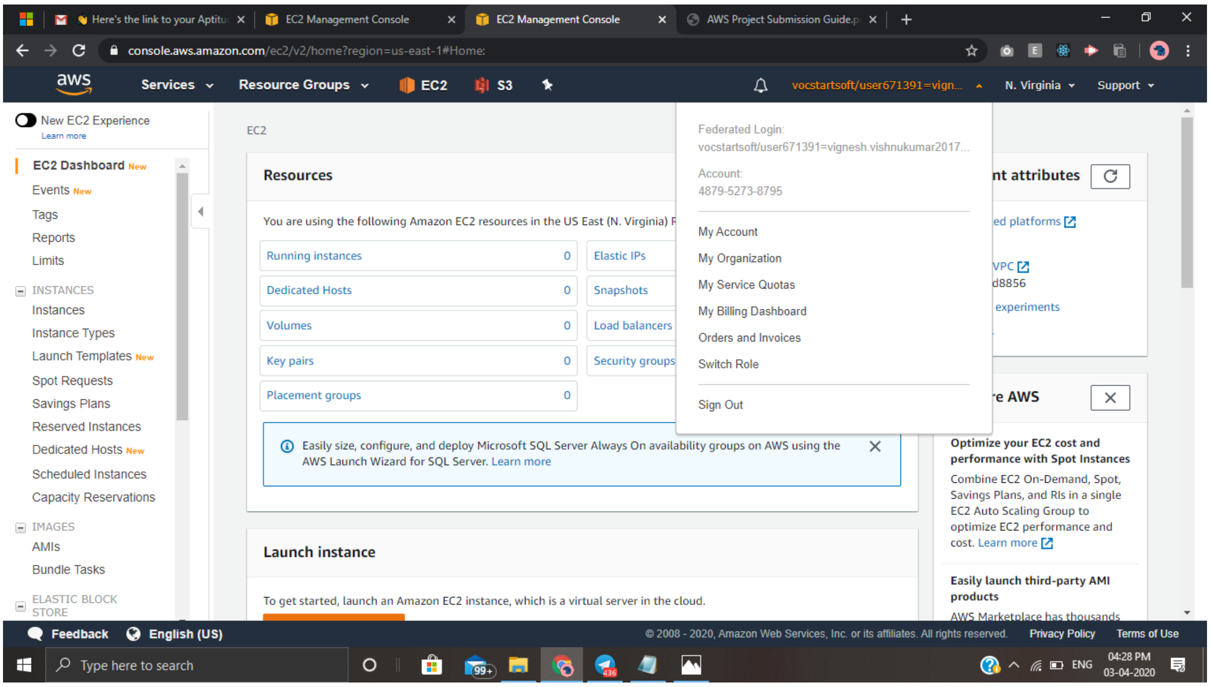
awseducate.com/signin/SiteLogin

hello :)

vignesh.vishnukumar2017@vitstudent.ac.in

....

Here's the link to your Aptitu
https://www.awseducate.com/sig
AWS Project Submission Guide.p
aws educate
SIGN IN
Forgot password?
Not an AWS Educate member? Apply now.
Type here to search
ENG
04:22 PM
03-04-2020



console.aws.amazon.com/ec2/v2/home?region=us-east-1#Home:

Federated Login:
vocstartsoft/user671391=vignesh.vishnukumar2017...

Account:
4879-5273-8795

You are using the following Amazon EC2 resources in the US East (N. Virginia) R

Running instances	0
Dedicated Hosts	0
Volumes	0
Key pairs	0
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

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

Optimize your EC2 cost and performance with Spot Instances

Combine EC2 On-Demand, Spot, Savings Plans, and RIs in a single EC2 Auto Scaling Group to optimize EC2 performance and cost. Learn more

Easily launch third-party AMI products

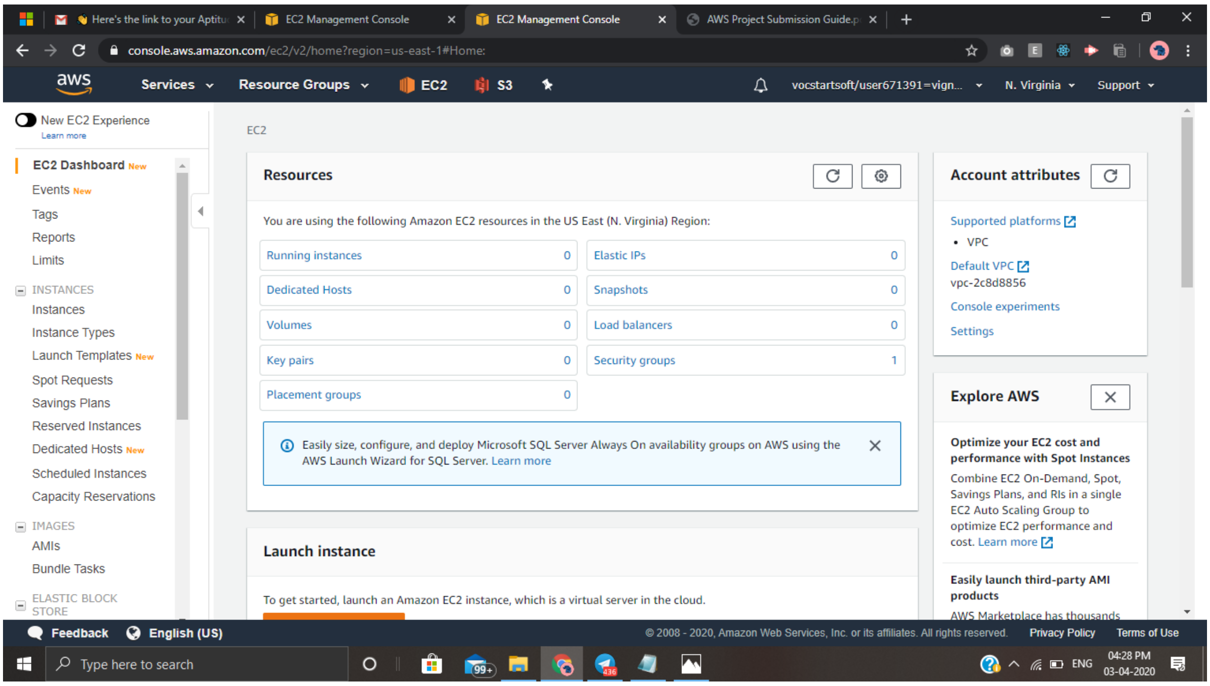
AWS Marketplace has thousands

Username:

AWS Educate – Vocareum labs

vocstartsoft/user671391=vignesh.vishnukumar2017@vitstudent.ac.in

EC2 Dashboard



console.aws.amazon.com/ec2/v2/home?region=us-east-1#Home:

EC2

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Running instances	0	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	0	Load balancers	0
Key pairs	0	Security groups	1
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

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

Account attributes

Supported platforms
- VPC

Default VPC
vpc-2c8d8856

Console experiments

Settings

Explore AWS

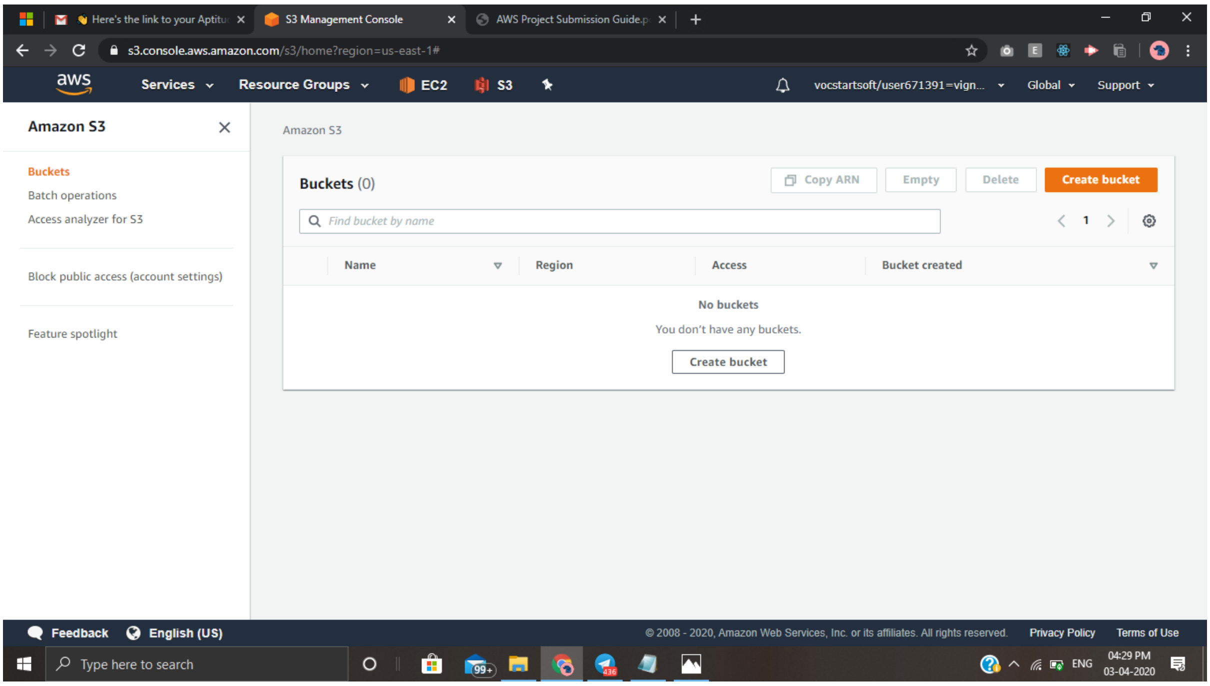
Optimize your EC2 cost and performance with Spot Instances

Combine EC2 On-Demand, Spot, Savings Plans, and RIs in a single EC2 Auto Scaling Group to optimize EC2 performance and cost. Learn more

Easily launch third-party AMI products

AWS Marketplace has thousands

S3 Dashboard



s3.console.aws.amazon.com/s3/home?region=us-east-1#

Amazon S3

Buckets (0)

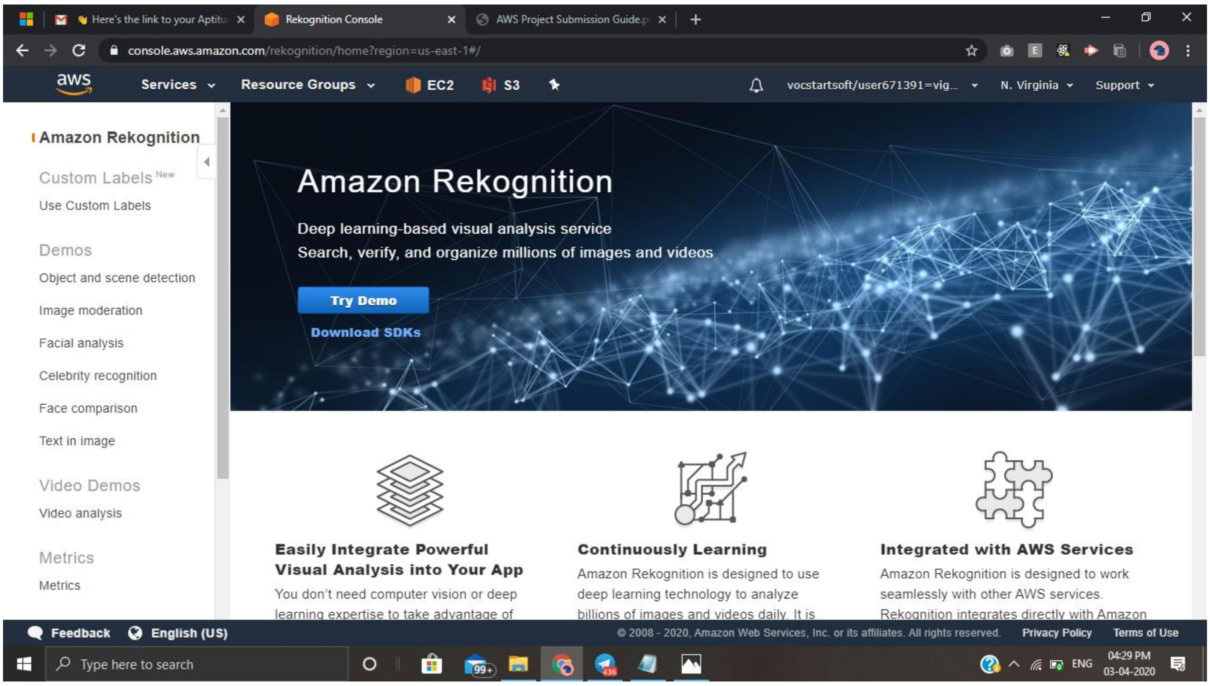
Name	Region	Access	Bucket created

No buckets

You don't have any buckets.

Create bucket

Rekognition Dashboard



Amazon Rekognition

Deep learning-based visual analysis service
Search, verify, and organize millions of images and videos

Easily Integrate Powerful Visual Analysis into Your App

You don't need computer vision or deep learning expertise to take advantage of

Continuously Learning

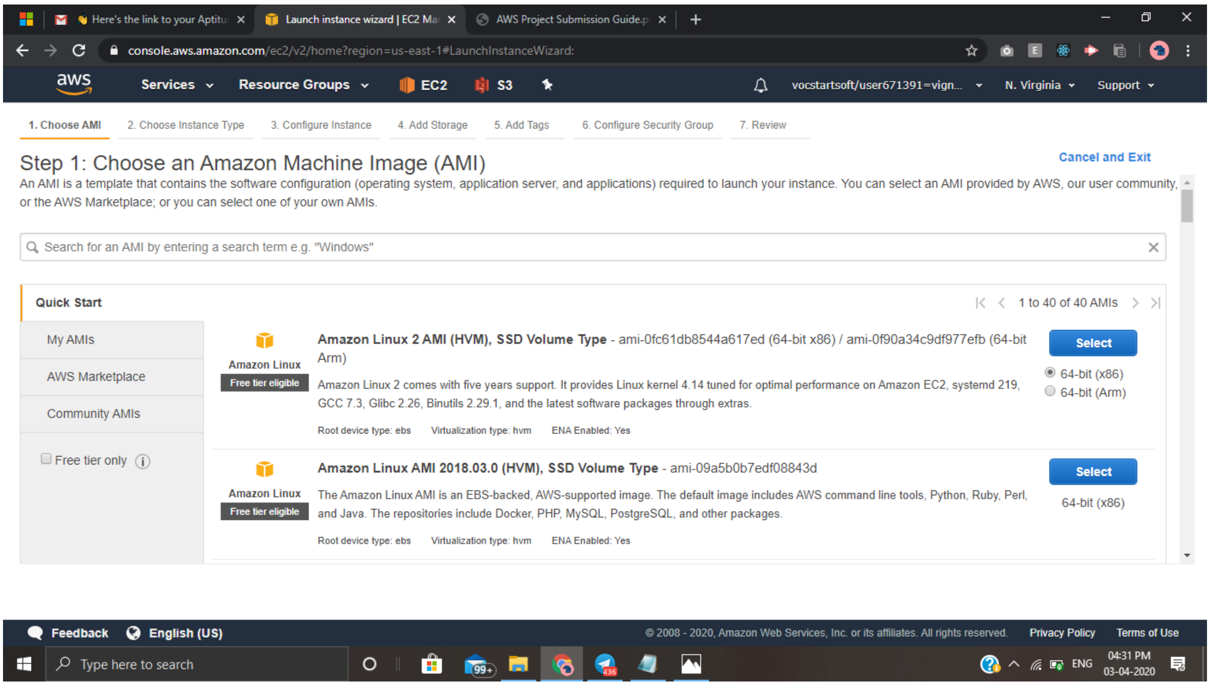
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is

Integrated with AWS Services

Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon

Screenshots for EC2:

Choosing an AMI



Here's the link to your Aptitu
Launch instance wizard | EC2 Ma
AWS Project Submission Guide.p
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Cancel and Exit

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"

Amazon Linux — Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0fc61db8544a617ed (64-bit x86) / ami-0f90a34c9df977efb (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

Select
● 64-bit (x86)
○ 64-bit (Arm)

Amazon Linux — Free tier eligible

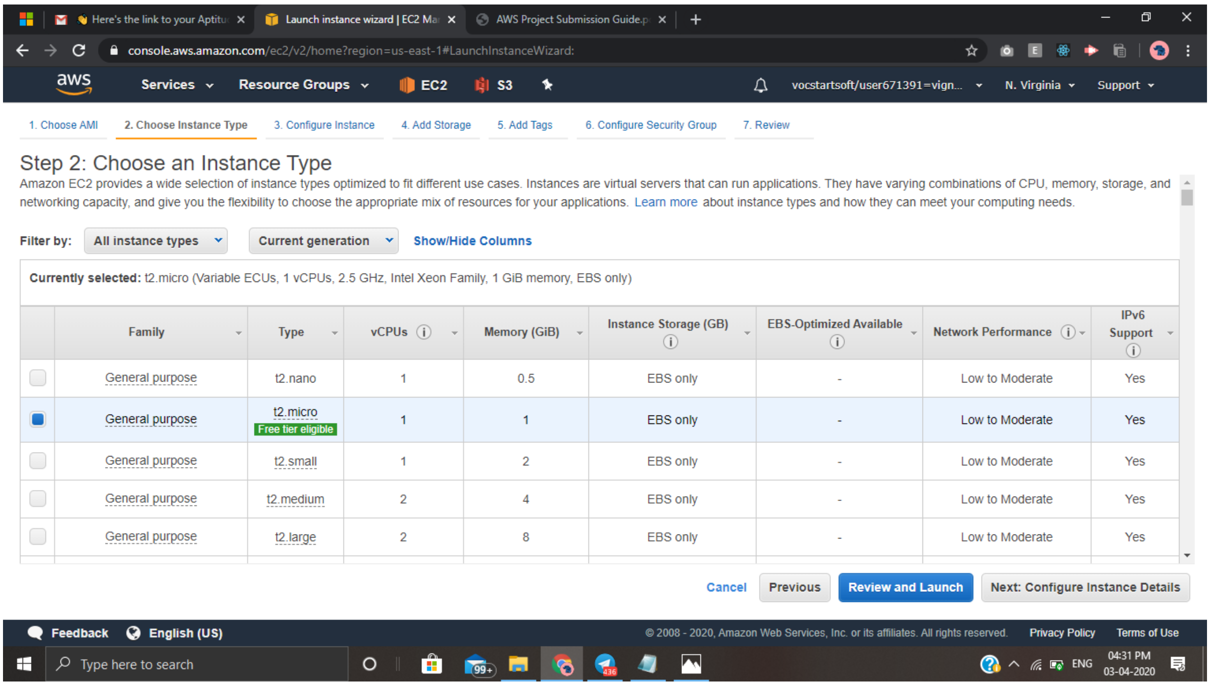
Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-09a5b0b7edf08843d

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)

Choosing an instance type:



Here's the link to your Aptitu
Launch instance wizard | EC2 Ma
AWS Project Submission Guide.p
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
N. Virginia
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

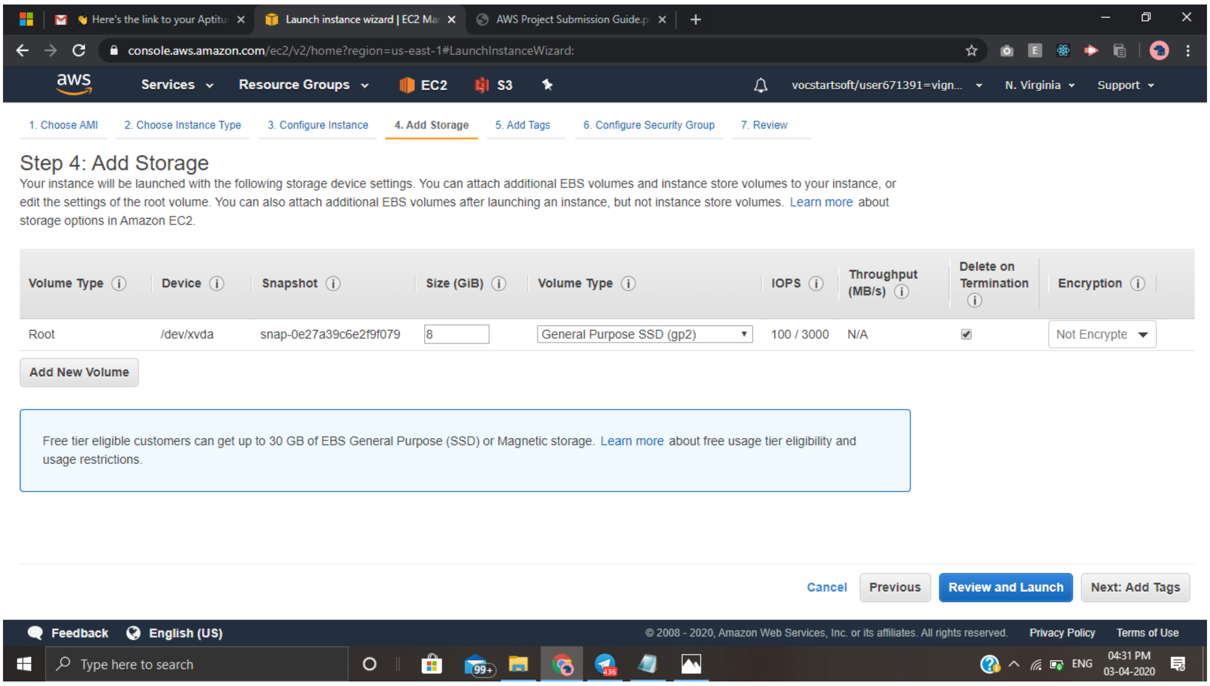
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources 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
□	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
■	General purpose	t2.micro 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

Adding Storsge



Here's the link to your Aptitu
Launch instance wizard | EC2 Ma
AWS Project Submission Guide.p
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
N. Virginia
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

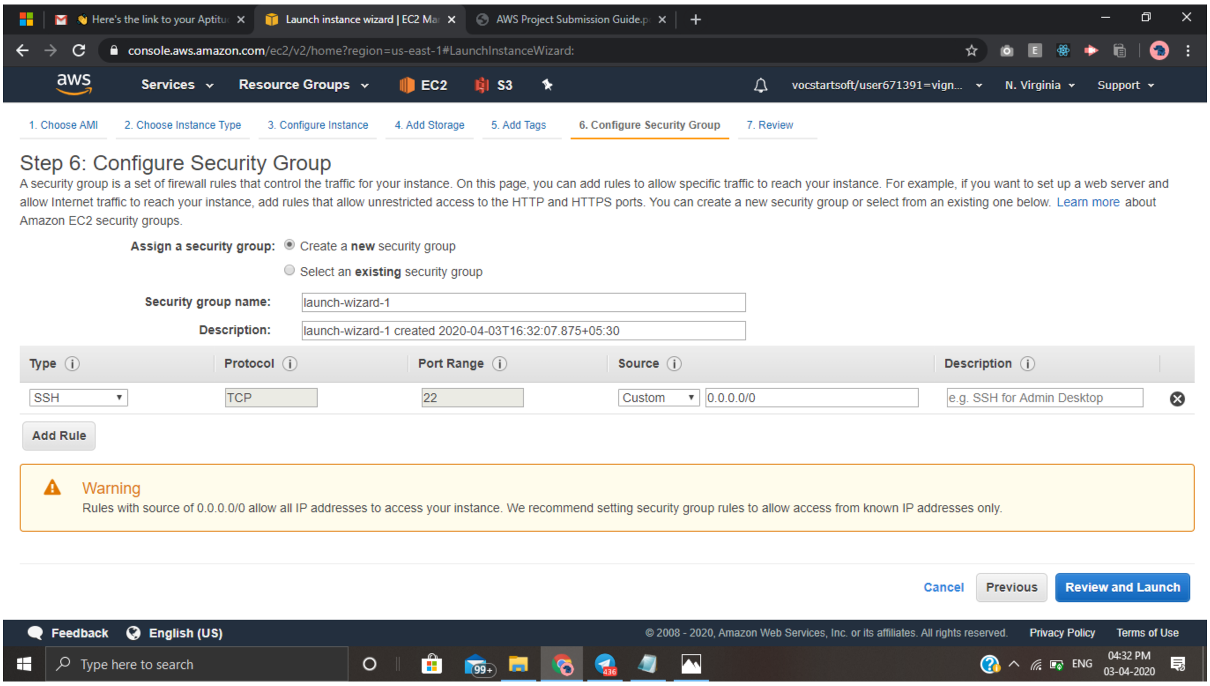
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. 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-0e27a39c6e2f9f079	8	General Purpose SSD (gp2)	100 / 3000	N/A	☑	Not Encrypte

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.

Configuring security group



Here's the link to your Aptitu
Launch instance wizard | EC2 Ma
AWS Project Submission Guide.p
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
N. Virginia
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: launch-wizard-1

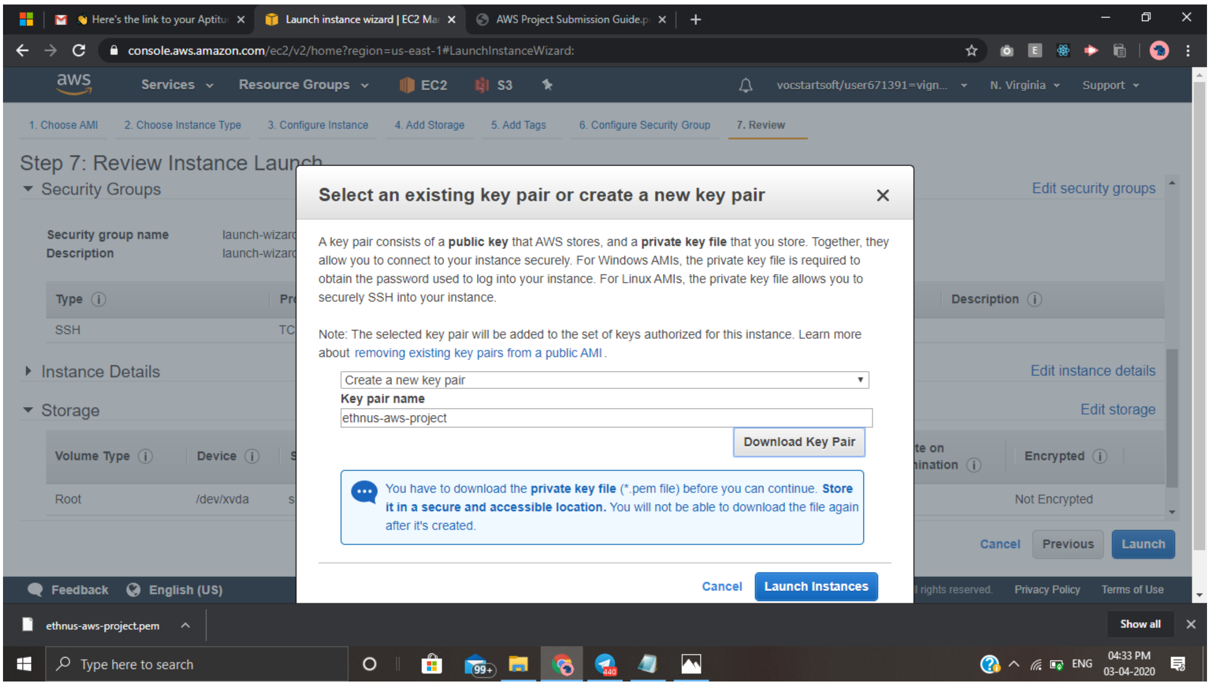
Description: launch-wizard-1 created 2020-04-03T16:32:07.875+05:30

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.

Key Pair download



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 .

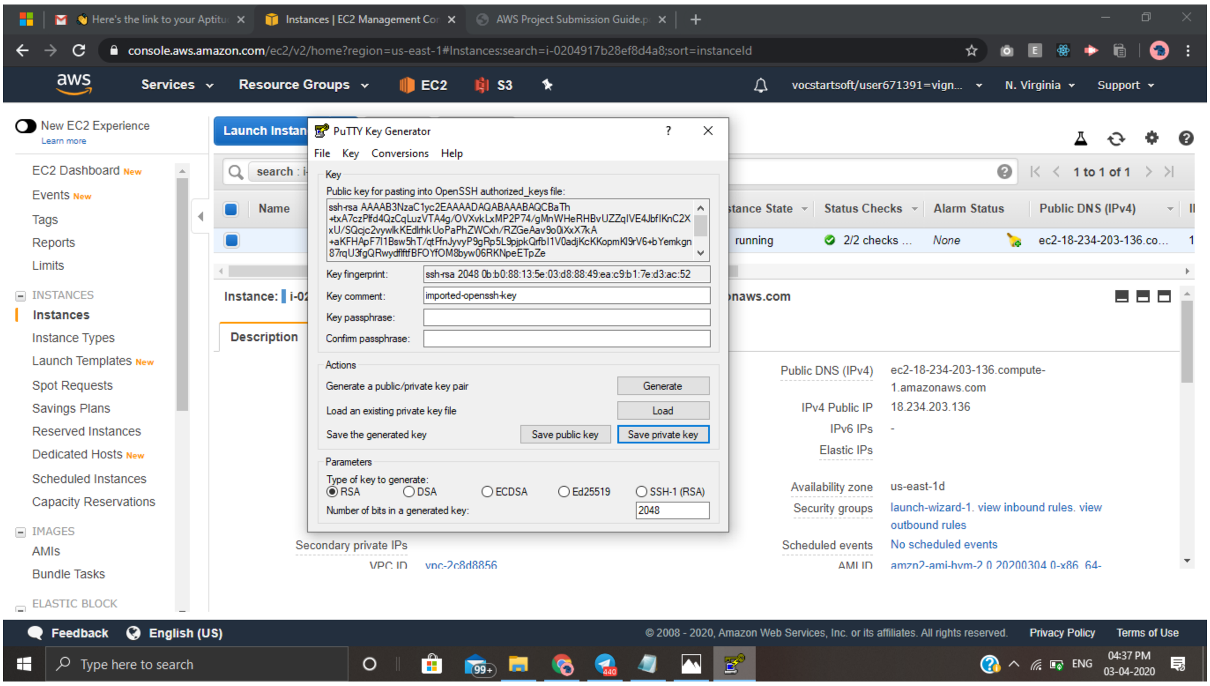
Create a new key pair

Key pair name: ethnus-aws-project

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.

Puttygen conversion PEM to PPK



console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:search=i-0204917b28ef8d4a8;sort=instanceId

PuTTY Key Generator

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCBaTh
+txA7czPlfd4QzCqLuzVTA4g/OVXvkLxMP2P74/gMnWHeRHBvUZZqIVE4JbfIKnC2X
xU/SQcjc2vywlkKEdlrhkUoPaPhZWCxh/RZGeAav9o0iXxX7kA
+aKFHApF7l1Bsw5hT/qtFfnJyvyP9gRp5L9pjpkQrfbI1V0adjKcKKopmKl9rV6+bYemkgn
87rqU3fgQRwydflftfBFOYfOM8byw06RKNpeETpZe
```

Key fingerprint: ssh-rsa 2048 0b:b0:88:13:5e:03:d8:88:49:ea:c9:b1:7e:d3:ac:52

Key comment: imported-openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair — Generate

Load an existing private key file — Load

Save the generated key — Save public key — Save private key

Parameters

Type of key to generate:
● RSA ○ DSA ○ ECDSA ○ Ed25519 ○ SSH-1 (RSA)

Number of bits in a generated key: 2048

Public DNS (IPv4) ec2-18-234-203-136.compute-1.amazonaws.com

IPv4 Public IP 18.234.203.136

IPv6 IPs -

Elastic IPs

Availability zone us-east-1d

Security groups launch-wizard-1. view inbound rules. view outbound rules

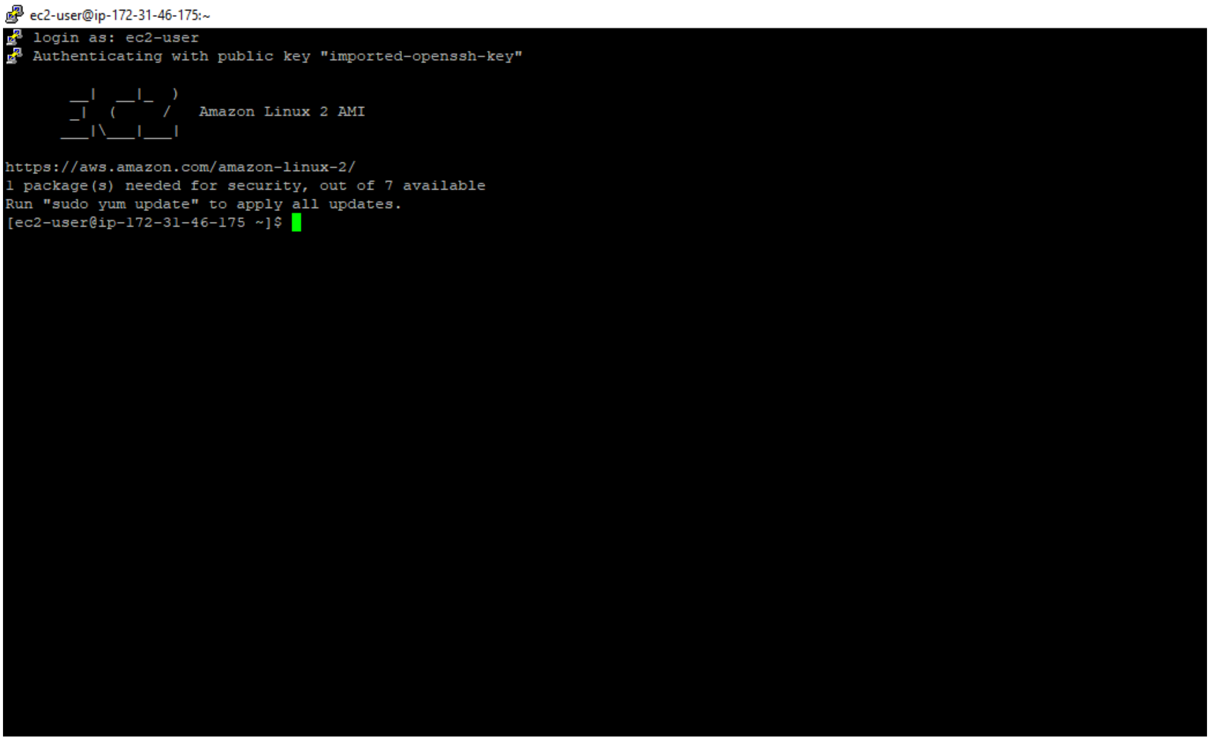
Scheduled events No scheduled events

Secondary private IPs

VPC ID vpc-2c8d8856

AMI ID amzn2-ami-hvm-2.0.20200304.0-x86_64-

Logged in EC2 Black Screen



ec2-user@ip-172-31-46-175:~

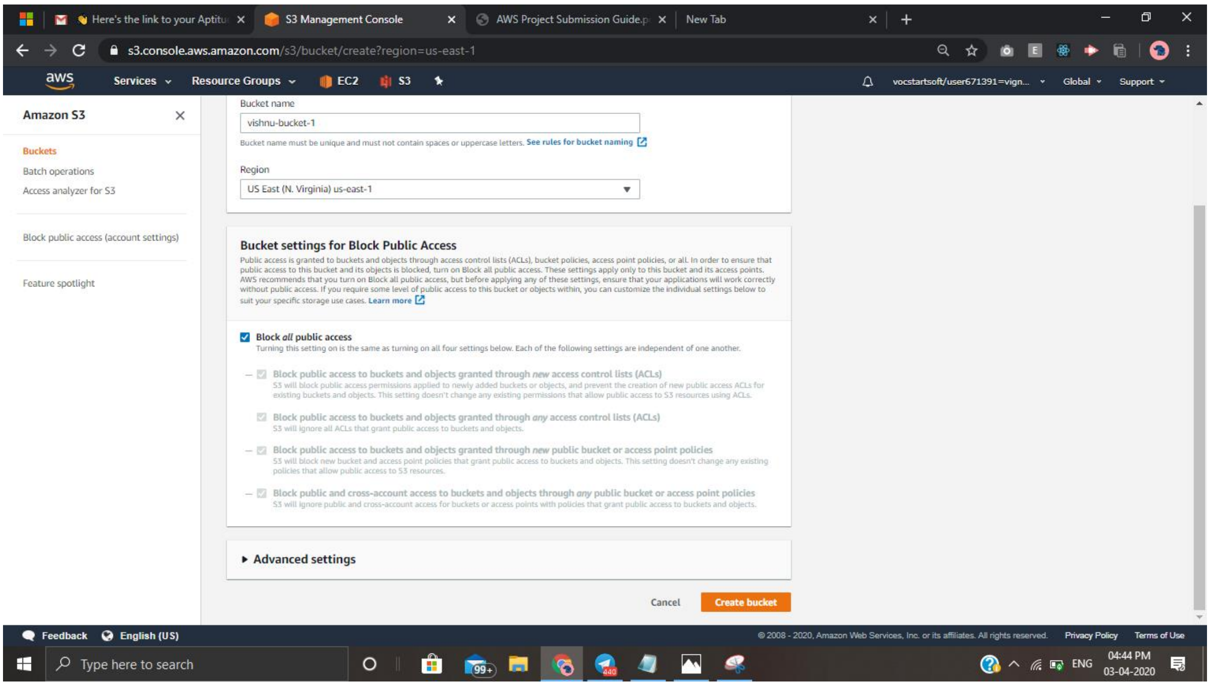
```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

       __|  __|_  )
       _|  (     /   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-172-31-46-175 ~]$ 
```

Screenshots needed for S3:

Creating a bucket


Here's the link to your Aptitu
S3 Management Console
AWS Project Submission Guide.p
New Tab
s3.console.aws.amazon.com/s3/bucket/create?region=us-east-1
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
Global
Support
Amazon S3
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
Feedback
English (US)
© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
04:44 PM
03-04-2020

Bucket name

vishnu-bucket-1

Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming

Region

US East (N. Virginia) us-east-1

Bucket settings for Block Public Access

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

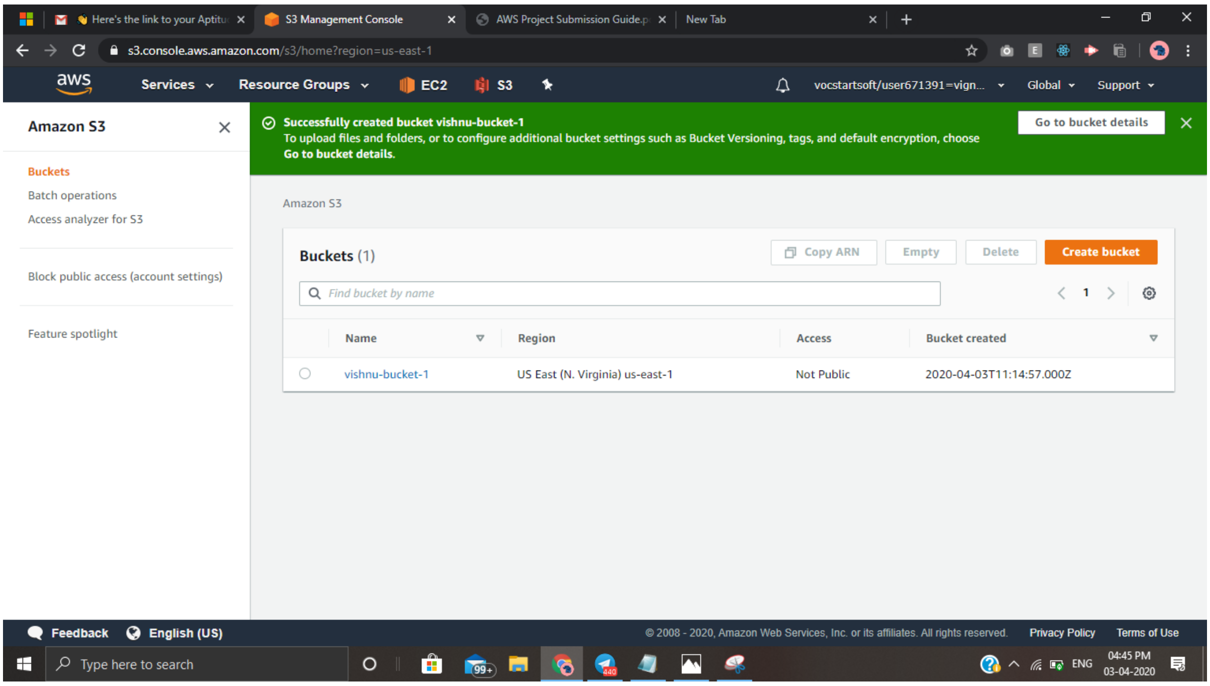
☑ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☑ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
  S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☑ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
  S3 will ignore all ACLs that grant public access to buckets and objects.
- ☑ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
  S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☑ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
  S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

▸ Advanced settings

Cancel | Create bucket

Bucket name: vishnu-bucket-1



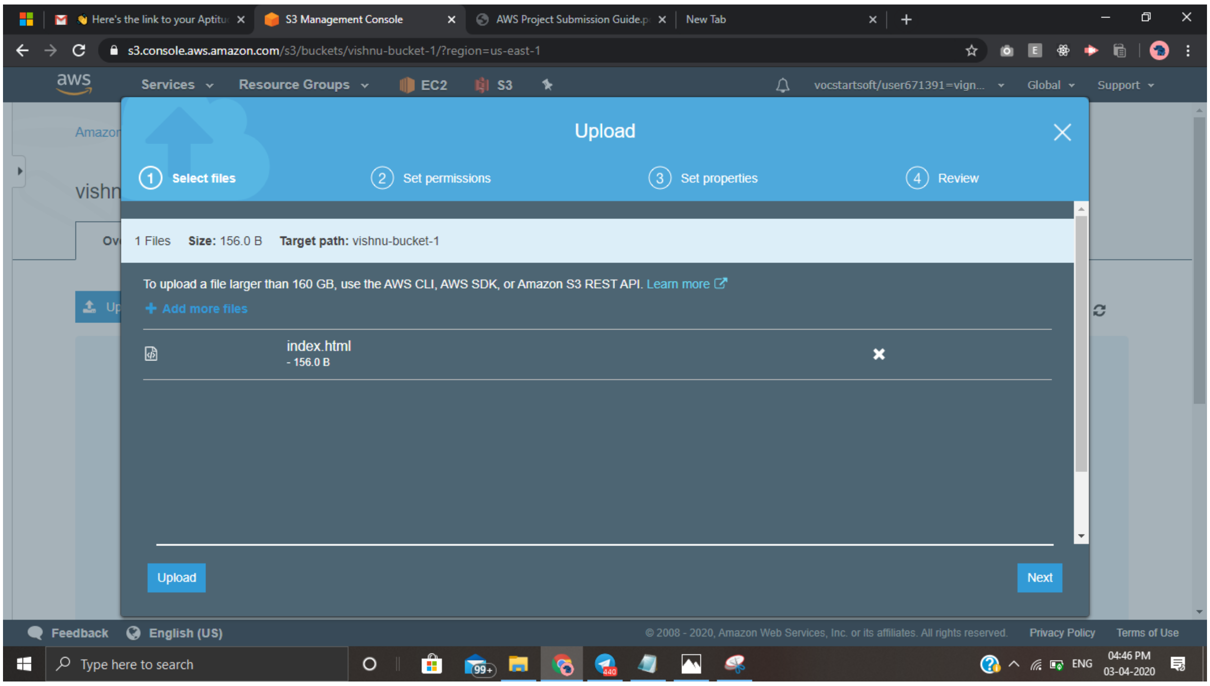
Successfully created bucket vishnu-bucket-1
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.

Amazon S3

Buckets (1)

	Name	Region	Access	Bucket created
○	vishnu-bucket-1	US East (N. Virginia) us-east-1	Not Public	2020-04-03T11:14:57.000Z

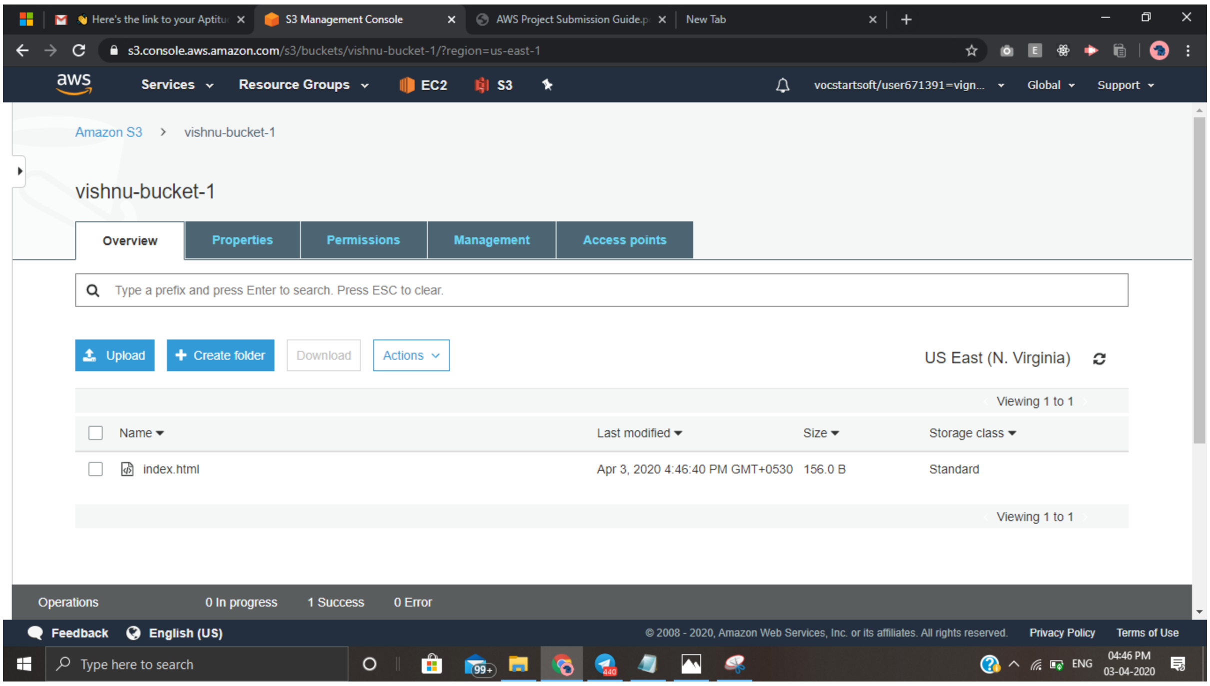
Uploading an object:



1 Files **Size:** 156.0 B **Target path:** vishnu-bucket-1

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. Learn more

index.html
- 156.0 B



Here's the link to your Aptitu
S3 Management Console
AWS Project Submission Guide.p
New Tab
s3.console.aws.amazon.com/s3/buckets/vishnu-bucket-1/?region=us-east-1
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
Global
Support
Amazon S3 › vishnu-bucket-1
vishnu-bucket-1
Overview
Properties
Permissions
Management
Access points
Type a prefix and press Enter to search. Press ESC to clear.
Upload
Create folder
Download
Actions
US East (N. Virginia)
Feedback
English (US)
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Privacy Policy
Terms of Use
Type here to search
ENG
04:46 PM
03-04-2020

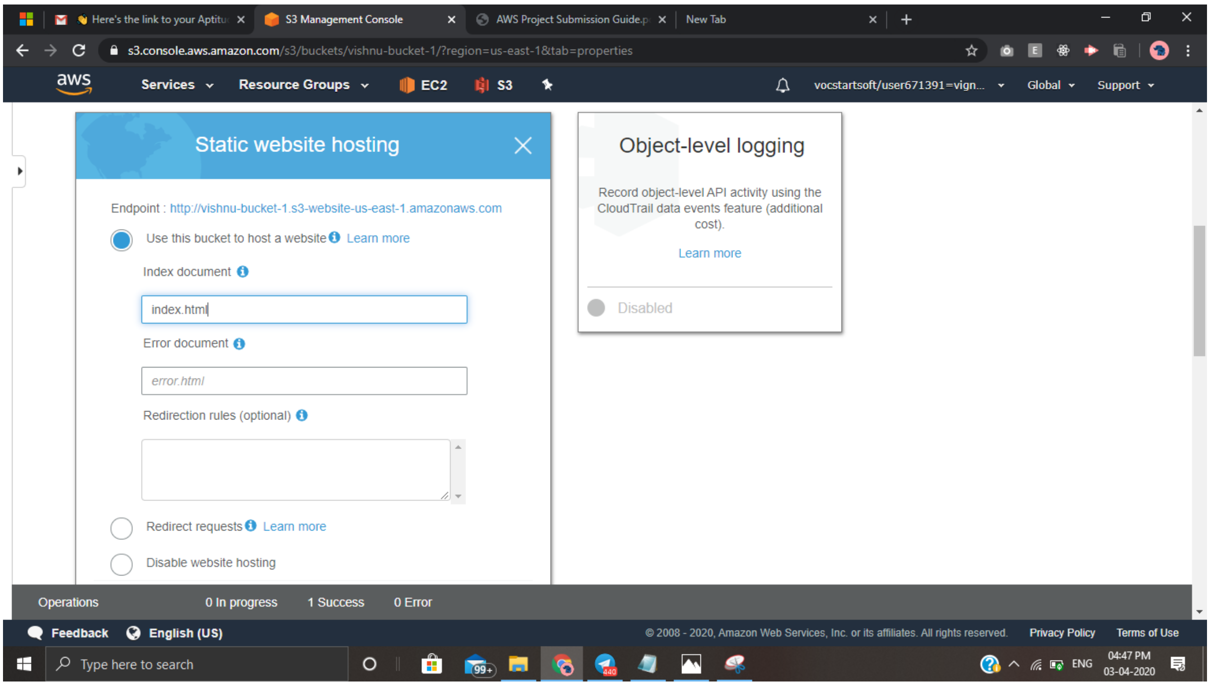
Viewing 1 to 1

	Name	Last modified	Size	Storage class
□	index.html	Apr 3, 2020 4:46:40 PM GMT+0530	156.0 B	Standard

Viewing 1 to 1

Operations 0 In progress 1 Success 0 Error

Enabling static website:


Here's the link to your Aptitu
S3 Management Console
AWS Project Submission Guide.p
New Tab
s3.console.aws.amazon.com/s3/buckets/vishnu-bucket-1/?region=us-east-1&tab=properties
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
Global
Support
Feedback
English (US)
© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
04:47 PM
03-04-2020

Static website hosting

Endpoint : http://vishnu-bucket-1.s3-website-us-east-1.amazonaws.com

● Use this bucket to host a website Learn more

Index document

index.html

Error document

error.html

Redirection rules (optional)

○ Redirect requests Learn more

○ Disable website hosting

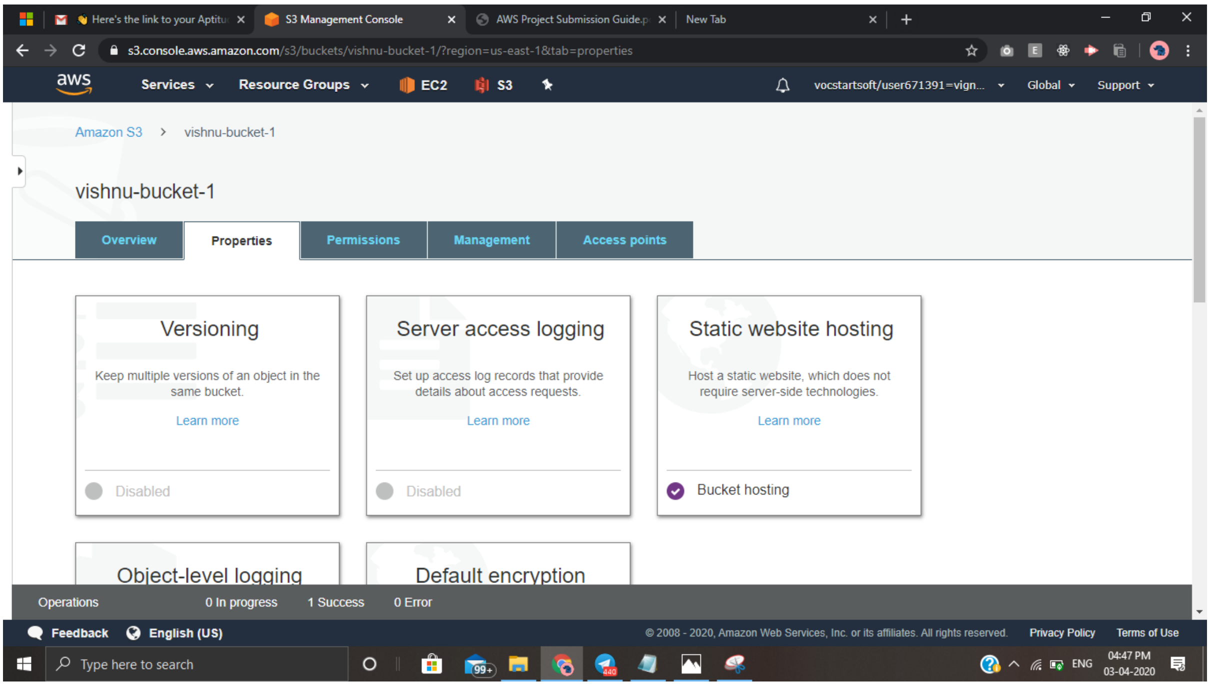
Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

Learn more

Disabled

Operations 0 In progress 1 Success 0 Error


Here's the link to your Aptitu
S3 Management Console
AWS Project Submission Guide.p
New Tab
s3.console.aws.amazon.com/s3/buckets/vishnu-bucket-1/?region=us-east-1&tab=properties
aws
Services
Resource Groups
EC2
S3
vocstartsoft/user671391=vign...
Global
Support
Feedback
English (US)
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Privacy Policy
Terms of Use
Type here to search
ENG
04:47 PM
03-04-2020

Amazon S3 › vishnu-bucket-1

vishnu-bucket-1

Overview | Properties | Permissions | Management | Access points

Versioning

Keep multiple versions of an object in the same bucket.

Learn more

Disabled

Server access logging

Set up access log records that provide details about access requests.

Learn more

Disabled

Static website hosting

Host a static website, which does not require server-side technologies.

Learn more

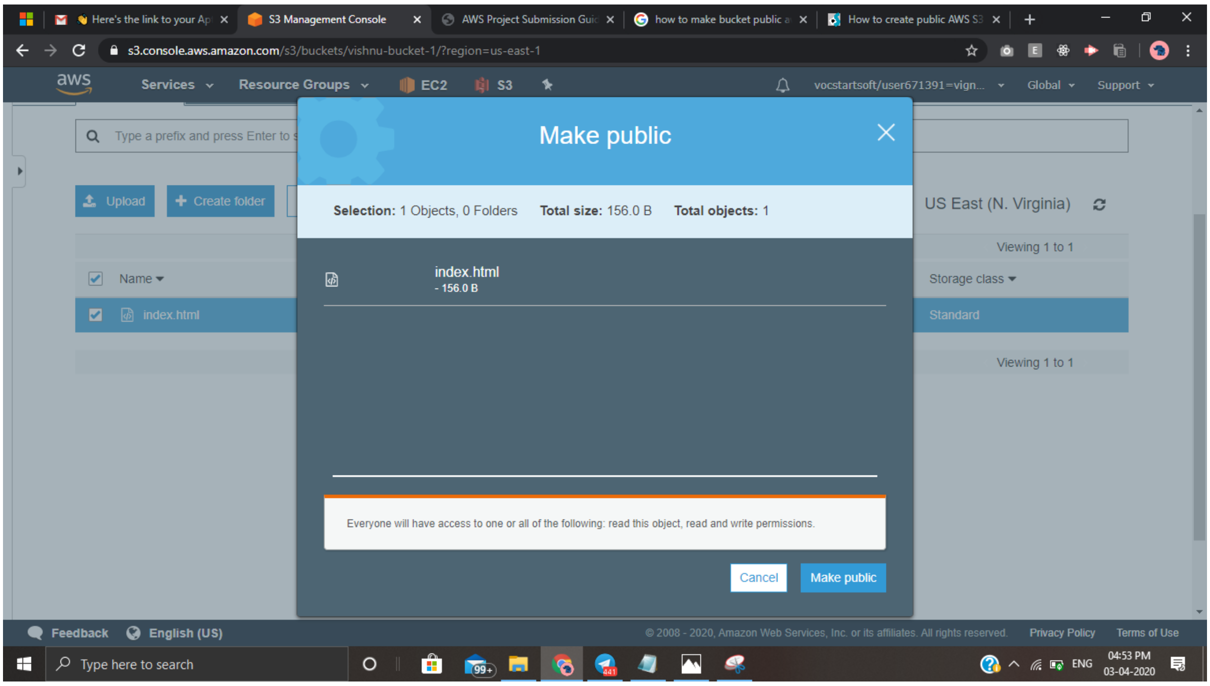
✓ Bucket hosting

Object-level logging

Default encryption

Operations 0 In progress 1 Success 0 Error

Making object Public:

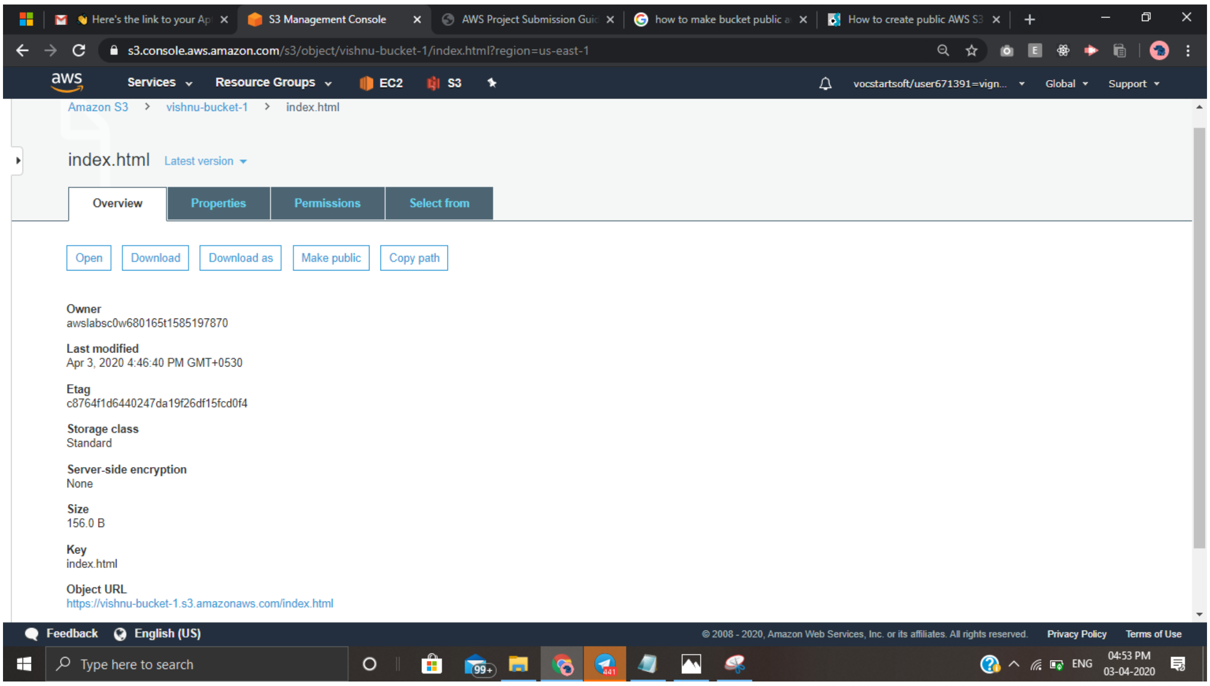


Make public

Selection: 1 Objects, 0 Folders Total size: 156.0 B Total objects: 1

index.html
- 156.0 B

Everyone will have access to one or all of the following: read this object, read and write permissions.



Amazon S3 > vishnu-bucket-1 > index.html

index.html Latest version

Owner
awslabsc0w680165t1585197870

Last modified
Apr 3, 2020 4:46:40 PM GMT+0530

Etag
c8764f1d6440247da19f26df15fcd0f4

Storage class
Standard

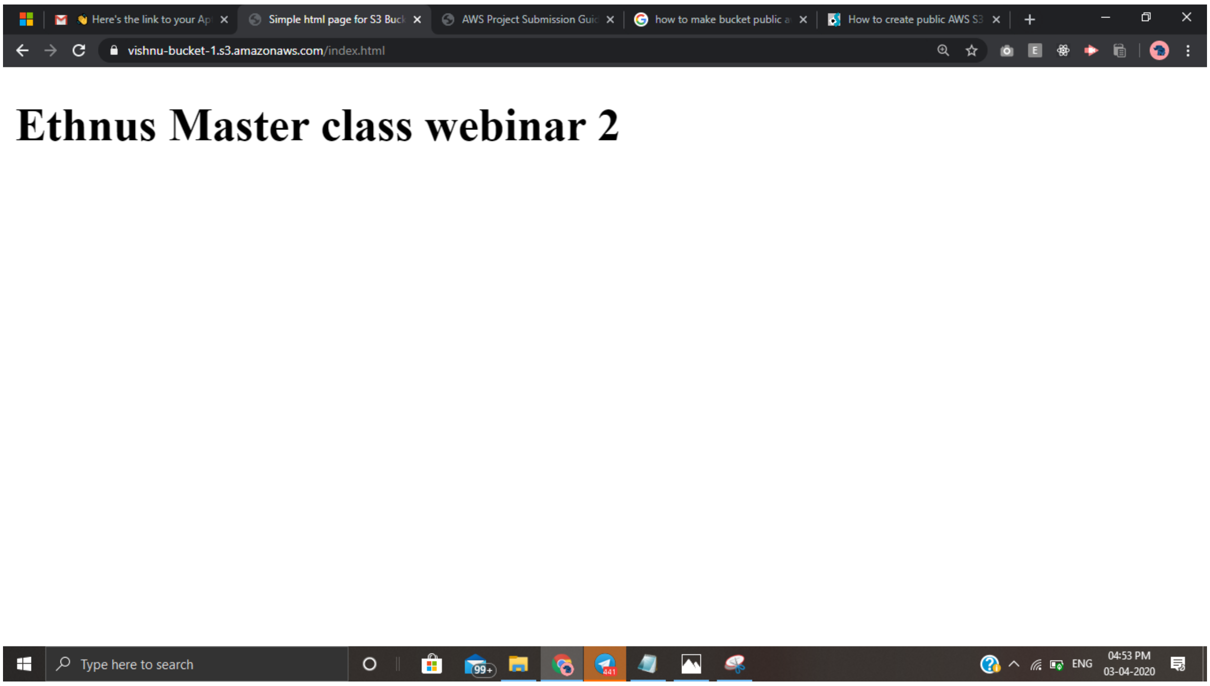
Server-side encryption
None

Size
156.0 B

Key
index.html

Object URL
https://vishnu-bucket-1.s3.amazonaws.com/index.html

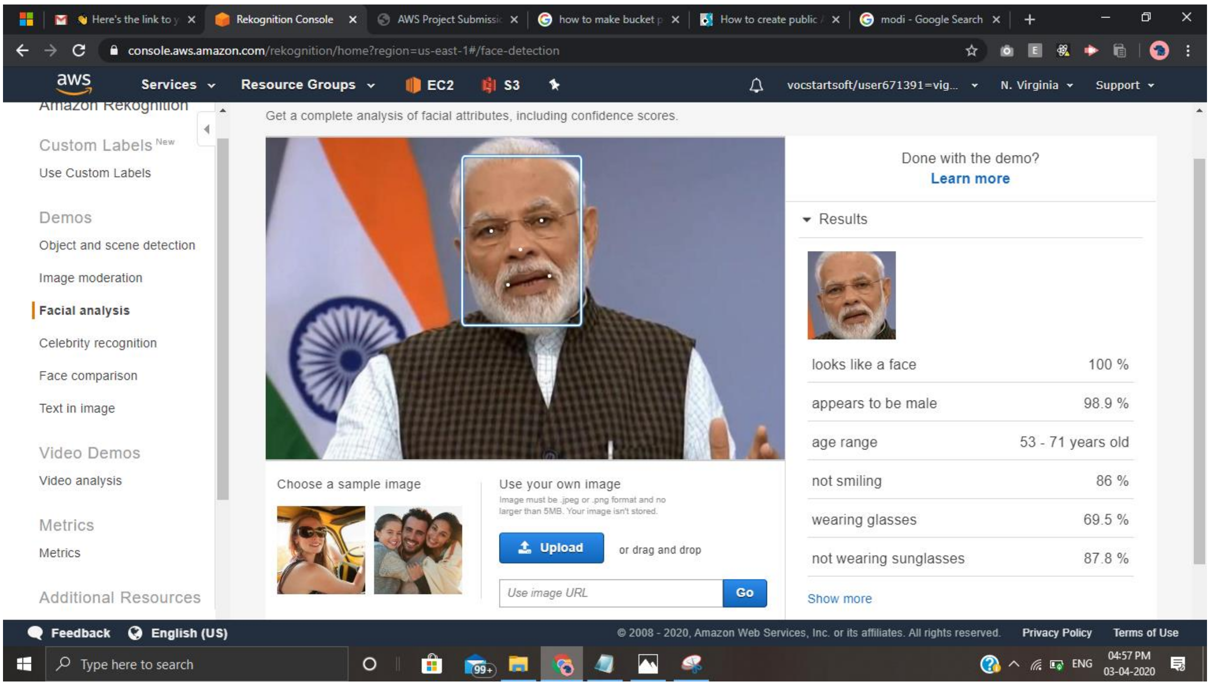
Checking S3 link on browser:


Here's the link to your Ap
Simple html page for S3 Buck
AWS Project Submission Guic
how to make bucket public a
How to create public AWS S3
vishnu-bucket-1.s3.amazonaws.com/index.html
Type here to search
04:53 PM
03-04-2020

Ethnus Master class webinar 2

Screenshots for Rekognition:

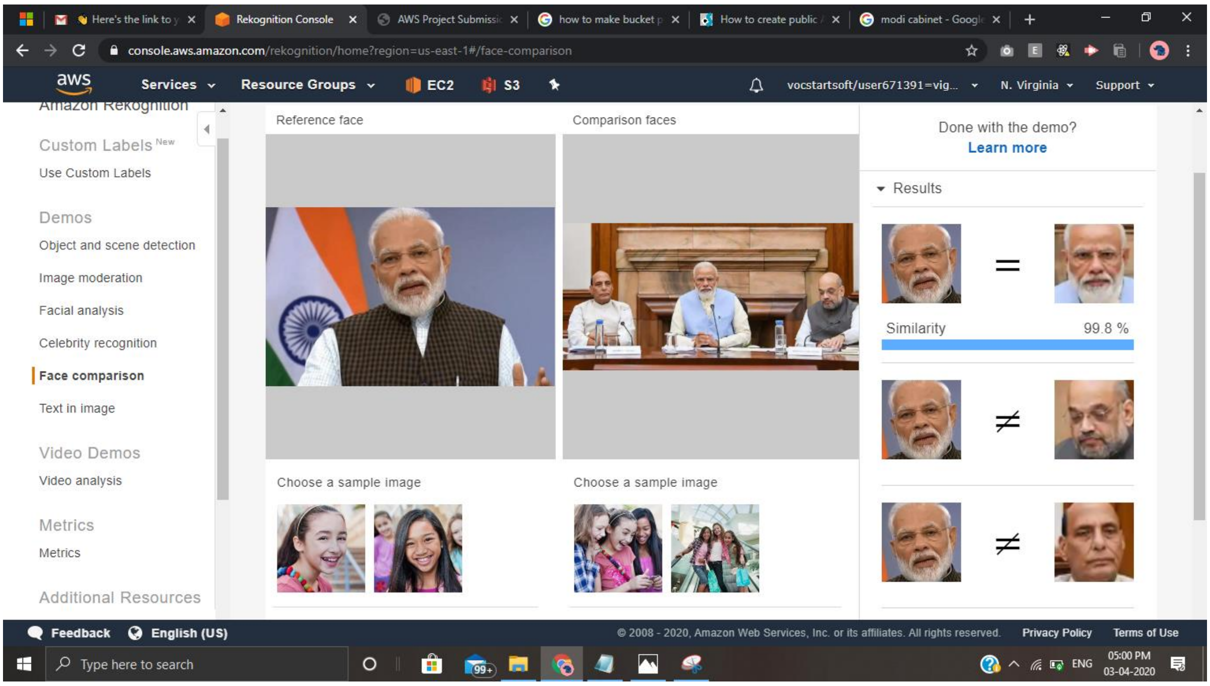
Face detect:



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

looks like a face	100 %
appears to be male	98.9 %
age range	53 - 71 years old
not smiling	86 %
wearing glasses	69.5 %
not wearing sunglasses	87.8 %

Face compare:



console.aws.amazon.com/rekognition/home?region=us-east-1#/face-comparison

Reference face

Comparison faces

Done with the demo?
Learn more

Results

Similarity 99.8 %

Choose a sample image

Choose a sample image

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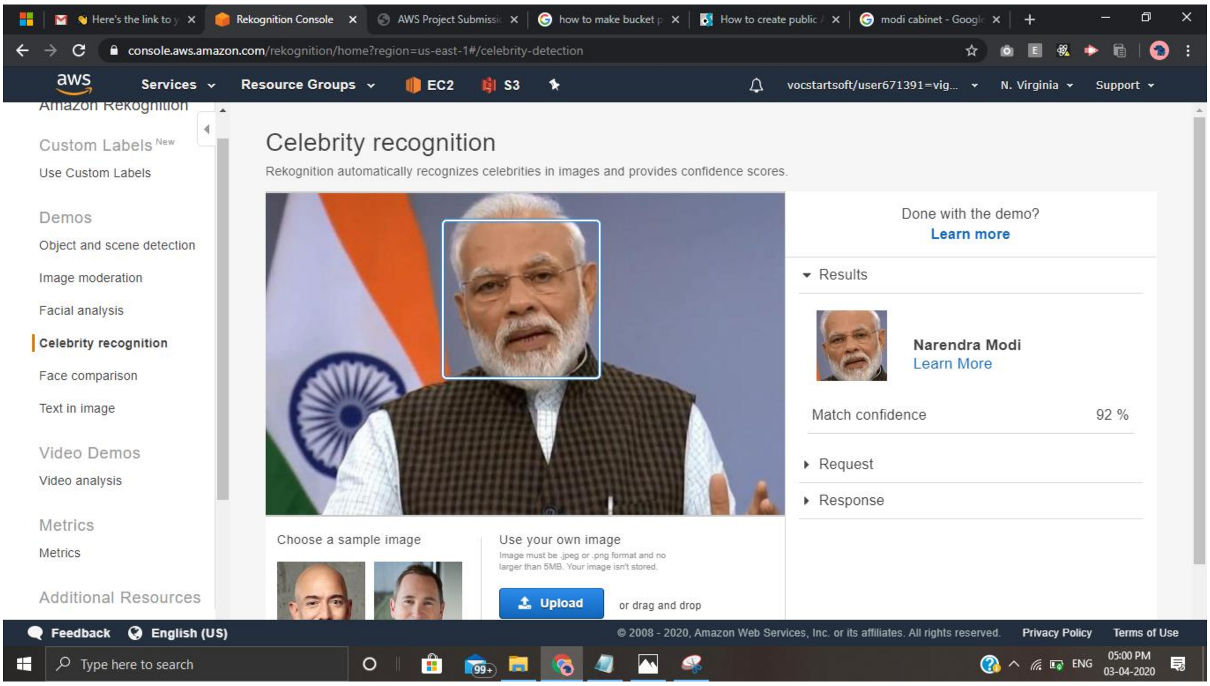
Celebrity Rekognition:



console.aws.amazon.com/rekognition/home?region=us-east-1#/celebrity-detection

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

Done with the demo?
Learn more

Results

Narendra Modi
Learn More

Match confidence 92 %

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

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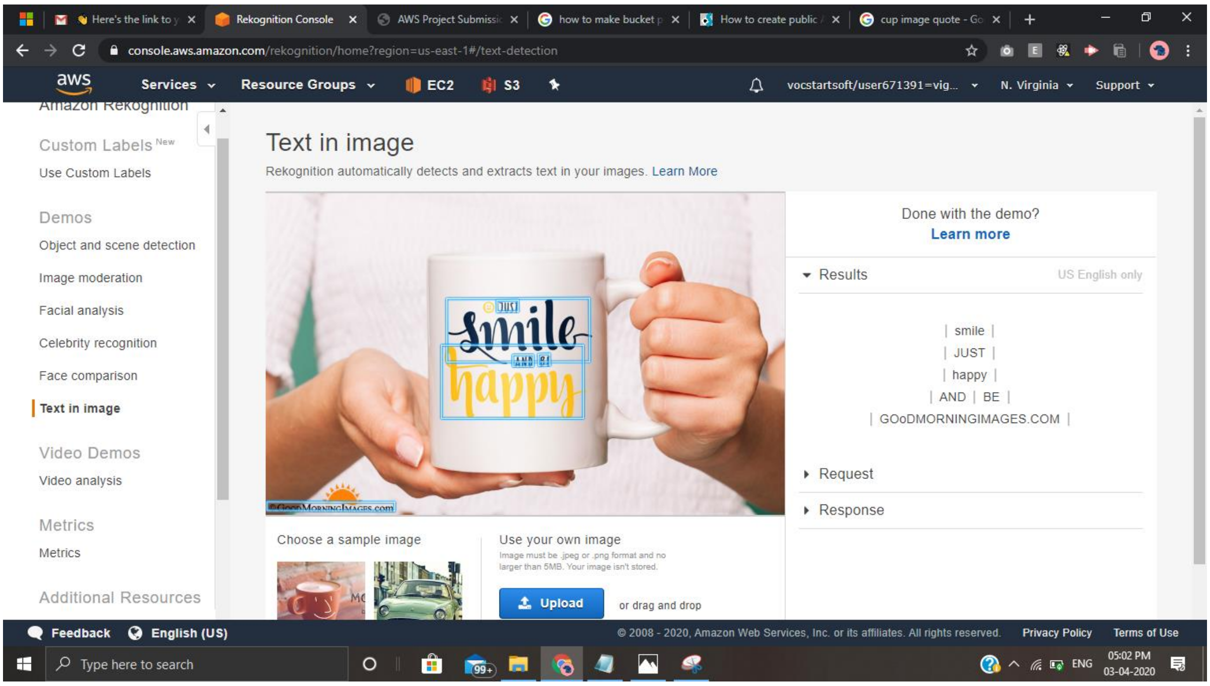
Text in Image:



console.aws.amazon.com/rekognition/home?region=us-east-1#/text-detection

Text in image

Rekognition automatically detects and extracts text in your images. Learn More

Done with the demo?
Learn more

Results — US English only

| smile |
| JUST |
| happy |
| AND | BE |
| GOoDMORNINGIMAGES.COM |

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.

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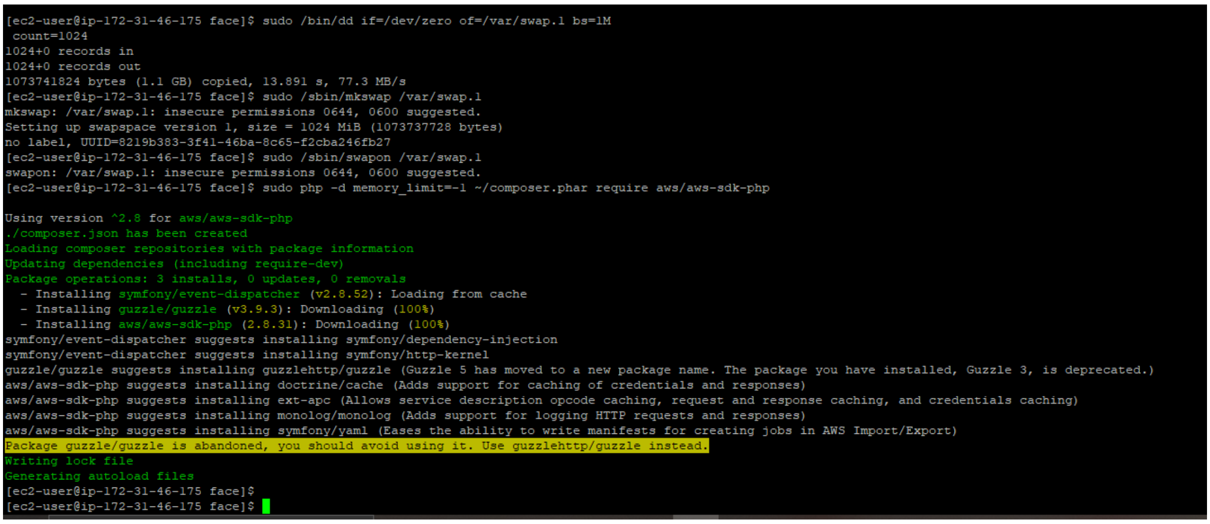
Screenshots of EC2 and S3:

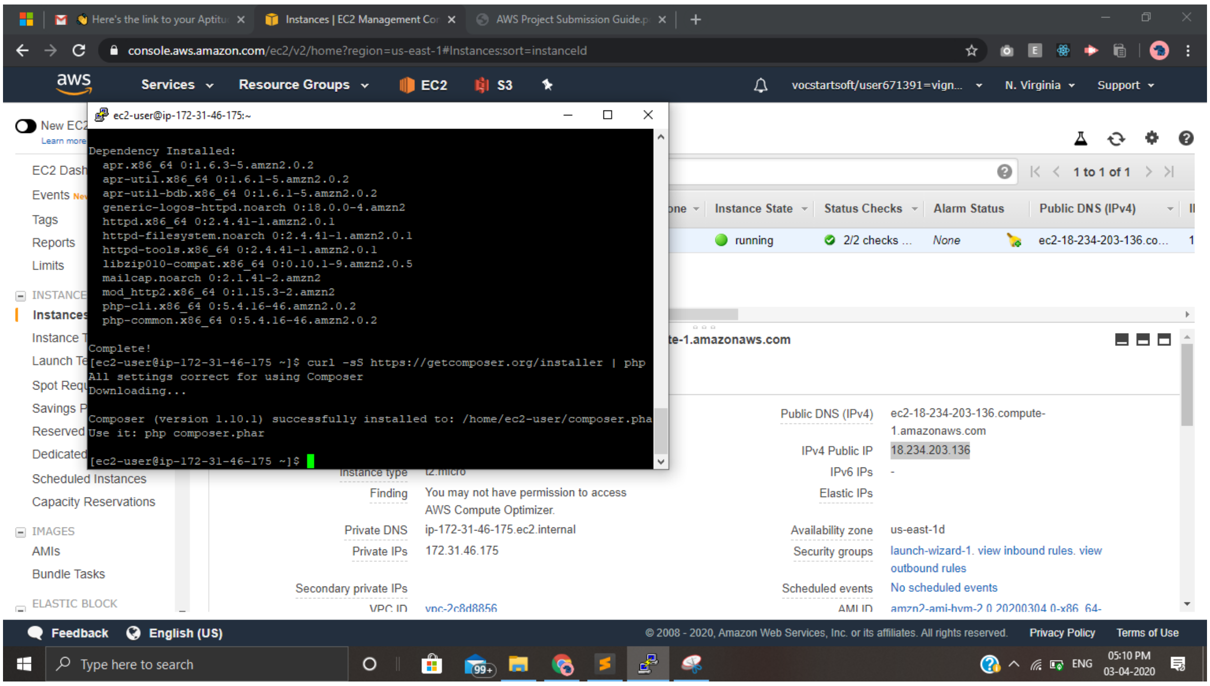
Installing aws-sdk



```
[ec2-user@ip-172-31-46-175 face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M
 count=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB) copied, 13.891 s, 77.3 MB/s
[ec2-user@ip-172-31-46-175 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: /var/swap.1: insecure permissions 0644, 0600 suggested.
Setting up swapspace version 1, size = 1024 MiB (1073737728 bytes)
no label, UUID=8219b383-3f41-46ba-8c65-f2cba246fb27
[ec2-user@ip-172-31-46-175 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-46-175 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php

Using version ^2.8 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 (2.8.31): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/dependency-injection
symfony/event-dispatcher suggests installing symfony/http-kernel
guzzle/guzzle suggests installing guzzlehttp/guzzle (Guzzle 5 has moved to a new package name. The package you have installed, Guzzle 3, is deprecated.)
aws/aws-sdk-php suggests installing doctrine/cache (Adds support for caching of credentials and responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode 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-172-31-46-175 face]$
[ec2-user@ip-172-31-46-175 face]$
```

Installing php:

1.composer download



console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instanceId

ec2-user@ip-172-31-46-175:~

```
Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2
  apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd.x86_64 0:2.4.41-1.amzn2.0.1
  httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1
  httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
  mailcap.noarch 0:2.1.41-2.amzn2
  mod_http2.x86_64 0:1.15.3-2.amzn2
  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-172-31-46-175 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.pha
Use it: php composer.phar

[ec2-user@ip-172-31-46-175 ~]$
```

Instance State: running

Status Checks: 2/2 checks ...

Alarm Status: None

Public DNS (IPv4): ec2-18-234-203-136.compute-1.amazonaws.com

IPv4 Public IP: 18.234.203.136

IPv6 IPs: -

Instance type: t2.micro

Finding: You may not have permission to access AWS Compute Optimizer.

Private DNS: ip-172-31-46-175.ec2.internal

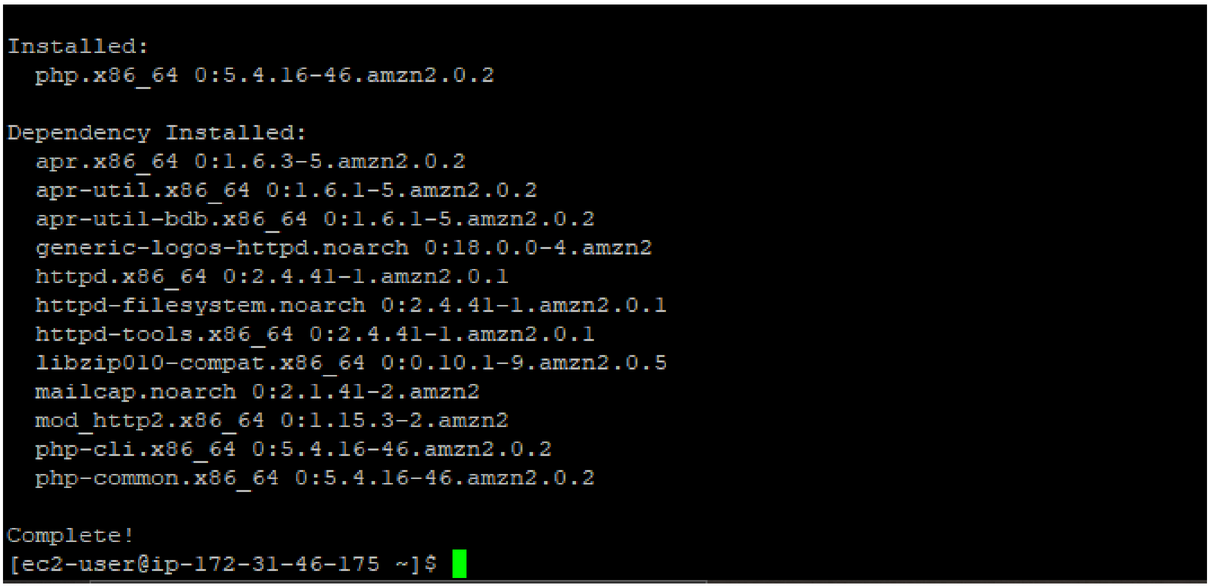
Private IPs: 172.31.46.175

Availability zone: us-east-1d

Security groups: launch-wizard-1. view inbound rules. view outbound rules

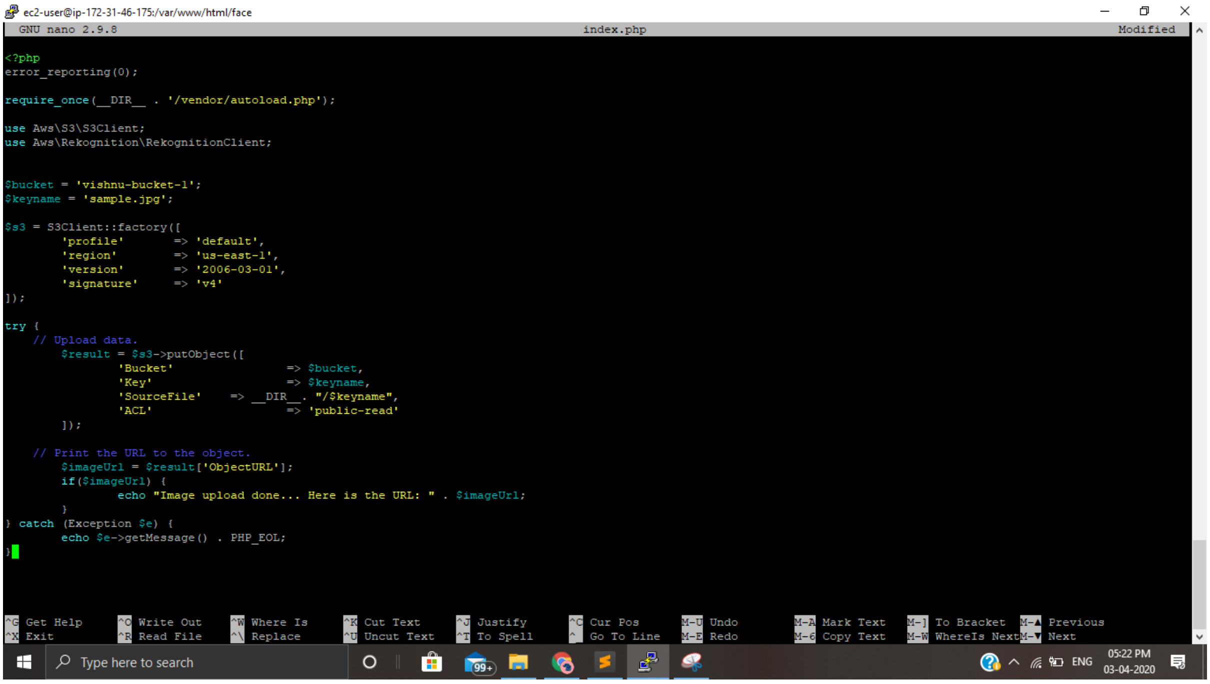
Scheduled events: No scheduled events

2.php install



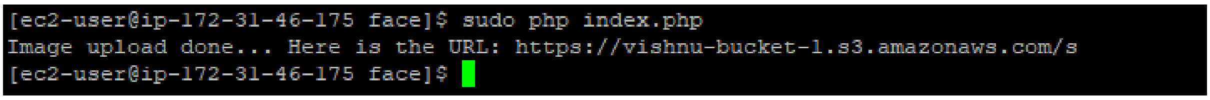
```
Installed:
  php.x86_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2
  apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd.x86_64 0:2.4.41-1.amzn2.0.1
  httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1
  httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
  mailcap.noarch 0:2.1.41-2.amzn2
  mod_http2.x86_64 0:1.15.3-2.amzn2
  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-172-31-46-175 ~]$
```

Index.php file code:

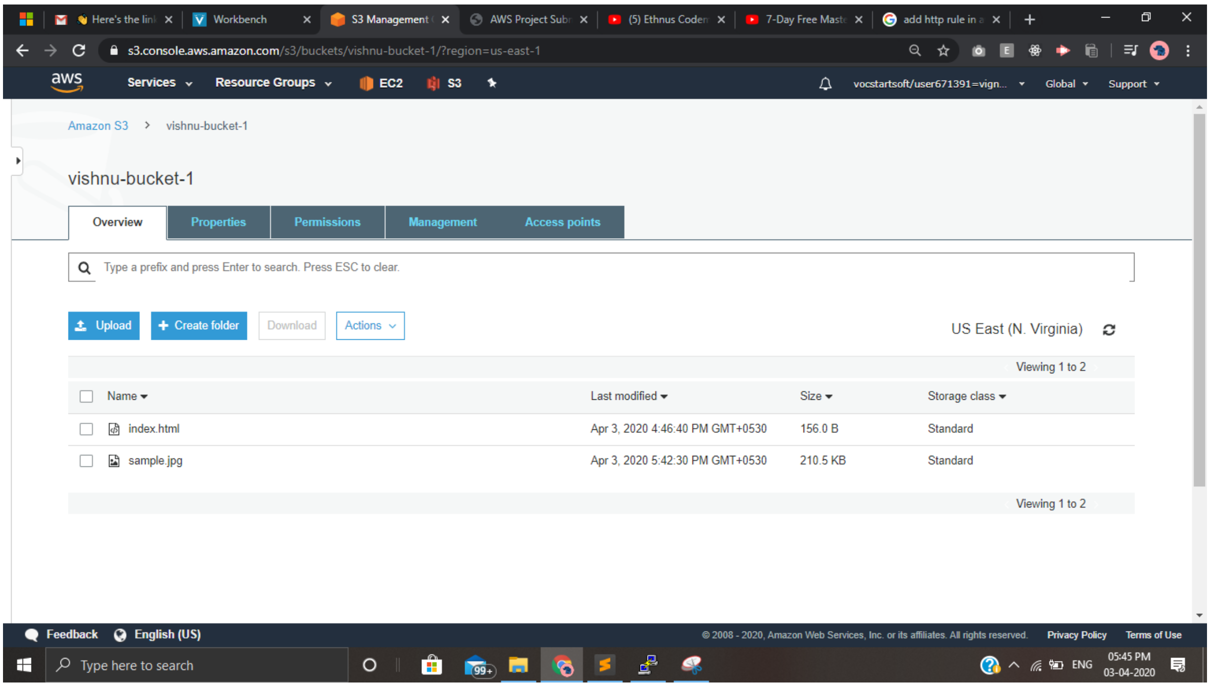


```php
<?php
error_reporting(0);

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

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


$bucket = 'vishnu-bucket-1';
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
        'profile'       => 'default',
        'region'        => 'us-east-1',
        '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;
}
```

Upload success screenshot:



```
[ec2-user@ip-172-31-46-175 face]$ sudo php index.php
Image upload done... Here is the URL: https://vishnu-bucket-1.s3.amazonaws.com/s
[ec2-user@ip-172-31-46-175 face]$
```



vishnu-bucket-1

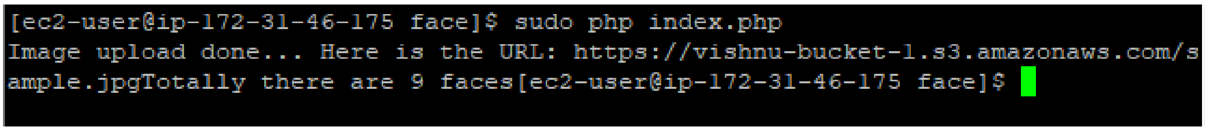
Viewing 1 to 2

□ Name	Last modified	Size	Storage class
□ index.html	Apr 3, 2020 4:46:40 PM GMT+0530	156.0 B	Standard
□ sample.jpg	Apr 3, 2020 5:42:30 PM GMT+0530	210.5 KB	Standard

Viewing 1 to 2

EC2 and Rekognition:

Face detect success screenshot



```
[ec2-user@ip-172-31-46-175 face]$ sudo php index.php
Image upload done... Here is the URL: https://vishnu-bucket-1.s3.amazonaws.com/s
ample.jpgTotally there are 9 faces[ec2-user@ip-172-31-46-175 face]$
```

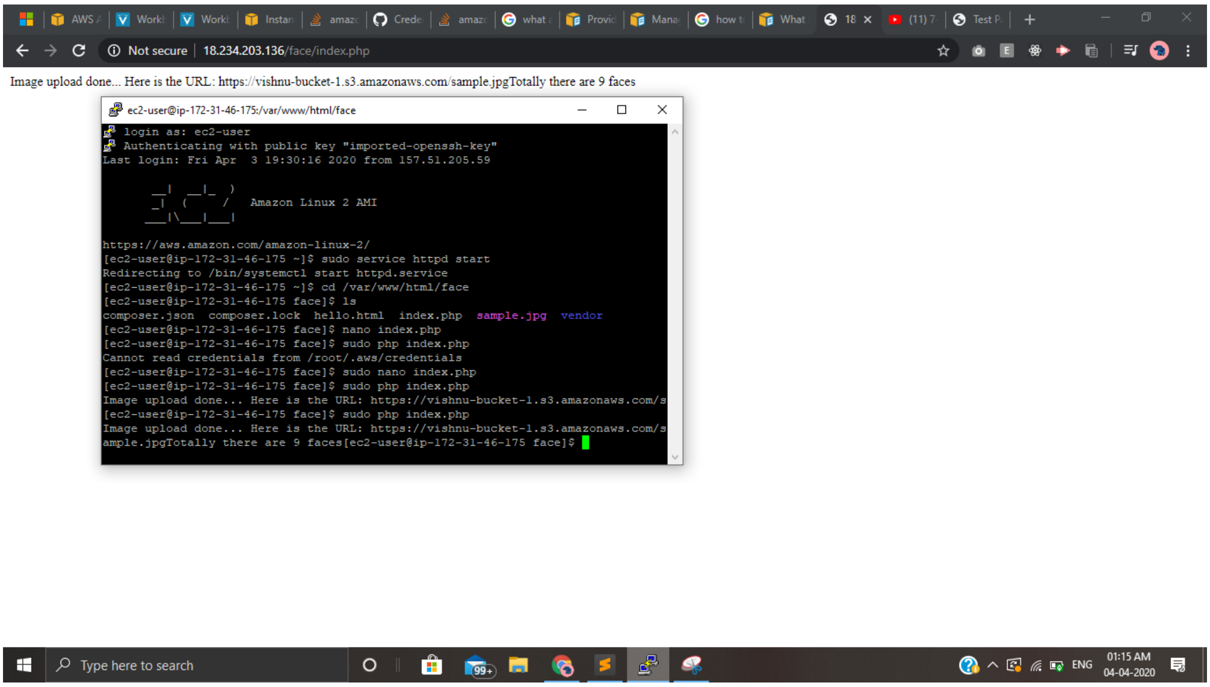


Image upload done... Here is the URL: https://vishnu-bucket-1.s3.amazonaws.com/sample.jpgTotally there are 9 faces

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Fri Apr  3 19:30:16 2020 from 157.51.205.59

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-46-175 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-46-175 ~]$ cd /var/www/html/face
[ec2-user@ip-172-31-46-175 face]$ ls
composer.json  composer.lock  hello.html  index.php  sample.jpg  vendor
[ec2-user@ip-172-31-46-175 face]$ nano index.php
[ec2-user@ip-172-31-46-175 face]$ sudo php index.php
Cannot read credentials from /root/.aws/credentials
[ec2-user@ip-172-31-46-175 face]$ sudo nano index.php
[ec2-user@ip-172-31-46-175 face]$ sudo php index.php
Image upload done... Here is the URL: https://vishnu-bucket-1.s3.amazonaws.com/s
[ec2-user@ip-172-31-46-175 face]$ sudo php index.php
Image upload done... Here is the URL: https://vishnu-bucket-1.s3.amazonaws.com/s
ample.jpgTotally there are 9 faces[ec2-user@ip-172-31-46-175 face]$
```