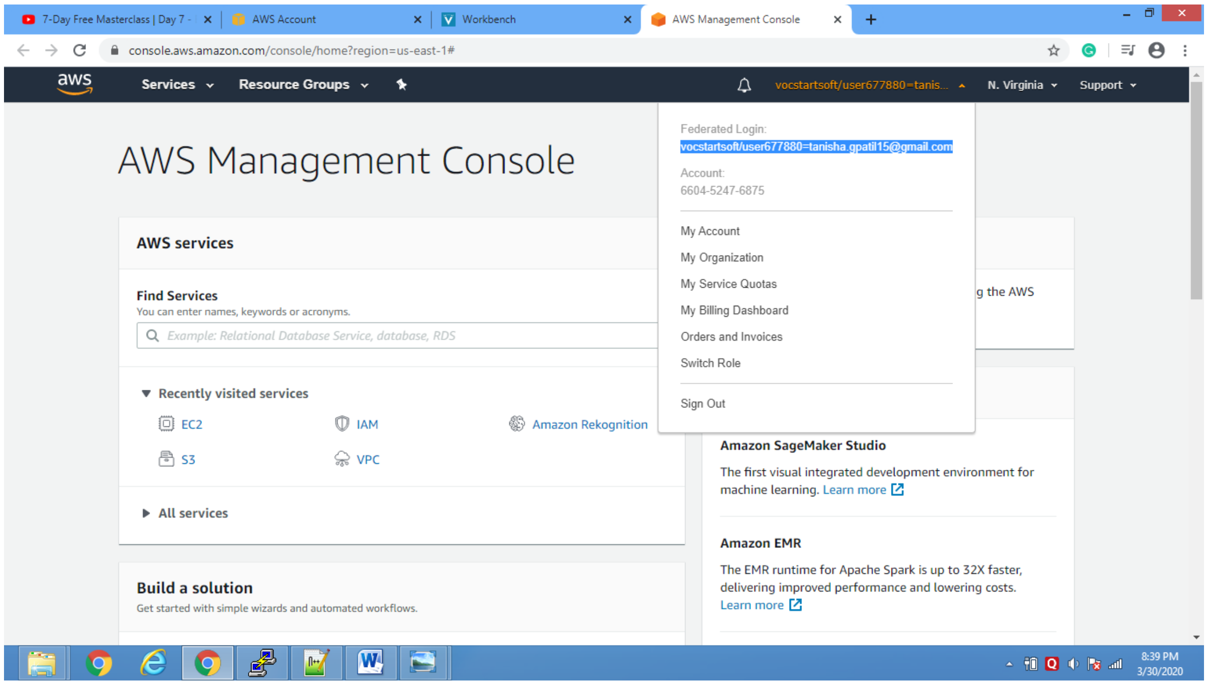
AWS-Tanisha G Patil-tanisha.gpatil15@gmail.com

1)AWS login screen with username



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

Services · Resource Groups · vocstartsoft/user677880=tanis... · N. Virginia · Support

AWS Management Console

Federated Login:
vocstartsoft/user677880=tanisha.gpatil15@gmail.com

Account:
6604-5247-6875

My Account
My Organization
My Service Quotas
My Billing Dashboard
Orders and Invoices
Switch Role
Sign Out

AWS services

Find Services
You can enter names, keywords or acronyms.
Example: Relational Database Service, database, RDS

Recently visited services
EC2 · IAM · Amazon Rekognition
S3 · VPC

All services

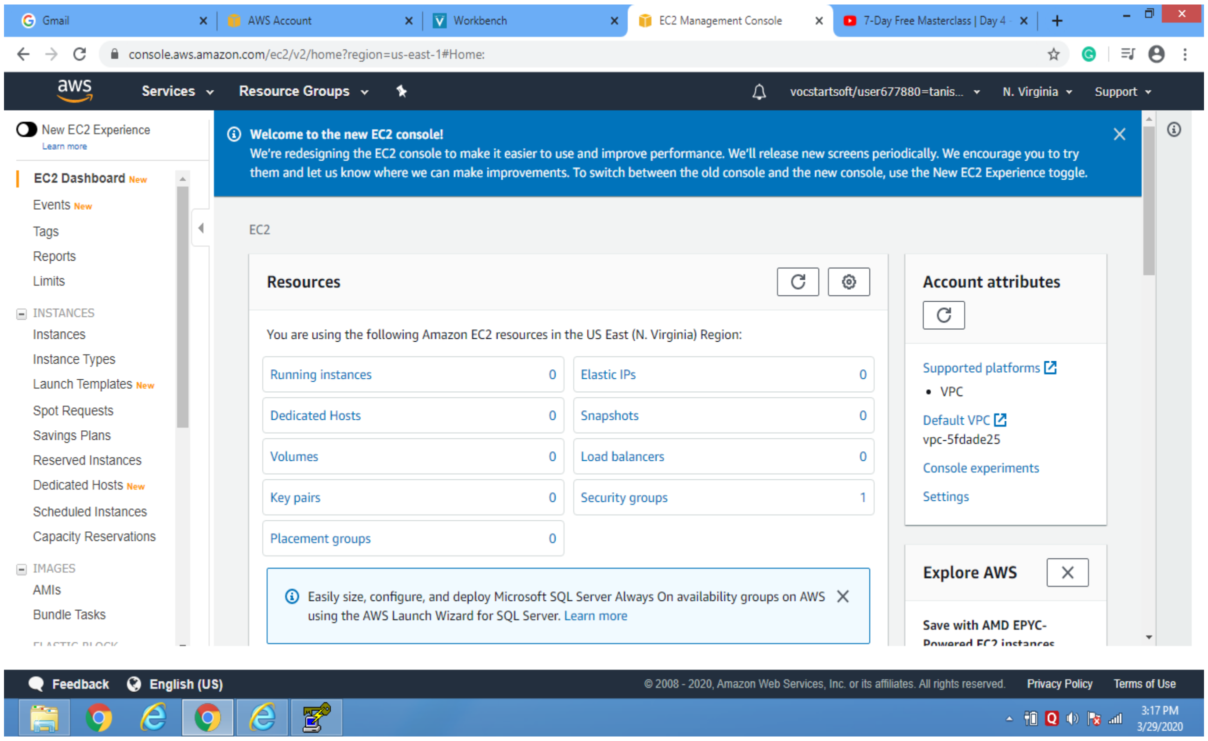
Build a solution
Get started with simple wizards and automated workflows.

Amazon SageMaker Studio
The first visual integrated development environment for machine learning. Learn more

Amazon EMR
The EMR runtime for Apache Spark is up to 32X faster, delivering improved performance and lowering costs. Learn more

8:39 PM 3/30/2020

2)EC2 Dashboard



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

Services · Resource Groups · vocstartsoft/user677880=tanis... · N. Virginia · Support

New EC2 Experience
Learn more

EC2 Dashboard New
Events New
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates New
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts New
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks

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

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

Account attributes
Supported platforms
- VPC

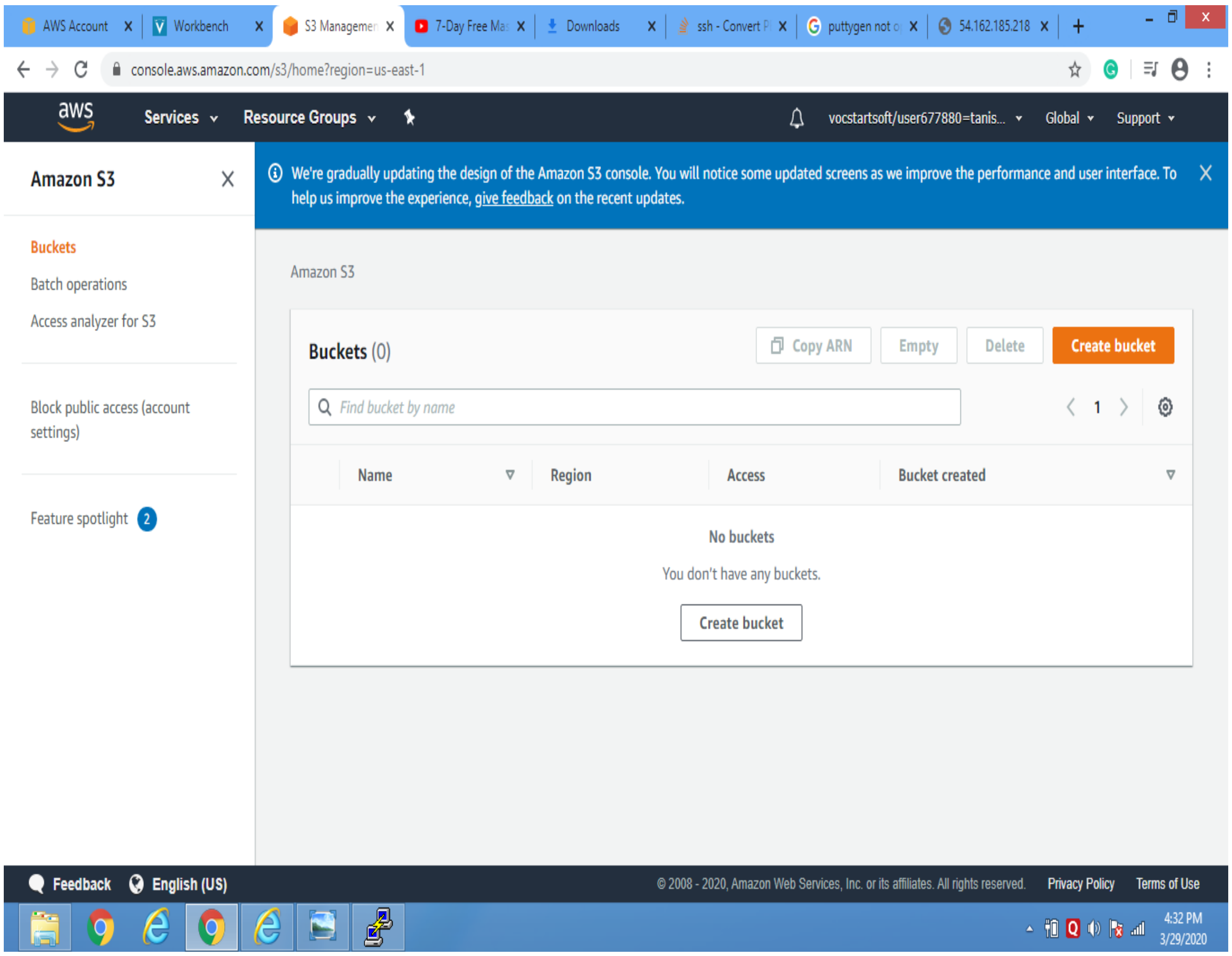
Default VPC
vpc-5fdade25
Console experiments
Settings

Explore AWS
Save with AMD EPYC-Powered EC2 instances

Feedback · English (US) · © 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy · Terms of Use

3:17 PM 3/29/2020

3)S3 Dashboard



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

vocstartsoft/user677880=tanis...

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.

Amazon S3

Buckets (0)

Name	Region	Access	Bucket created

No buckets

You don't have any buckets.

Create bucket

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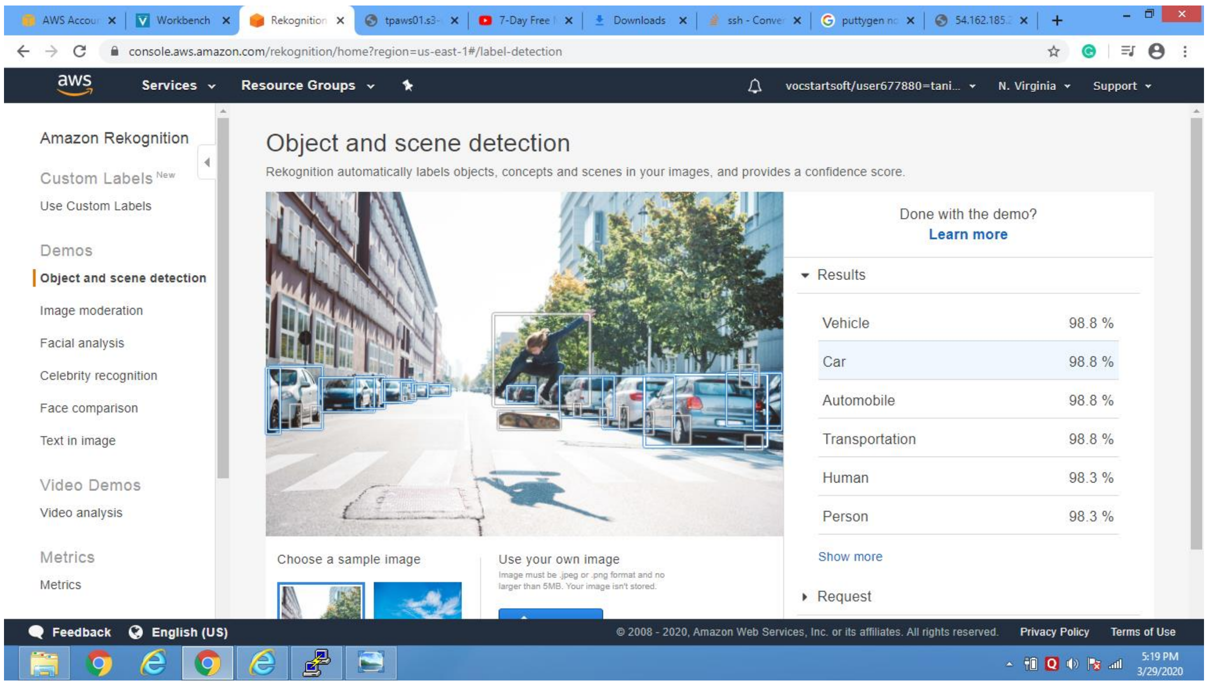
4:32 PM
3/29/2020

4)Rekognition Dashboard



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

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

Object and scene detection

Rekognition automatically labels objects, concepts and scenes in your images, and provides a confidence score.

Done with the demo?
Learn more

Results

Vehicle	98.8 %
Car	98.8 %
Automobile	98.8 %
Transportation	98.8 %
Human	98.3 %
Person	98.3 %

Show more

Request

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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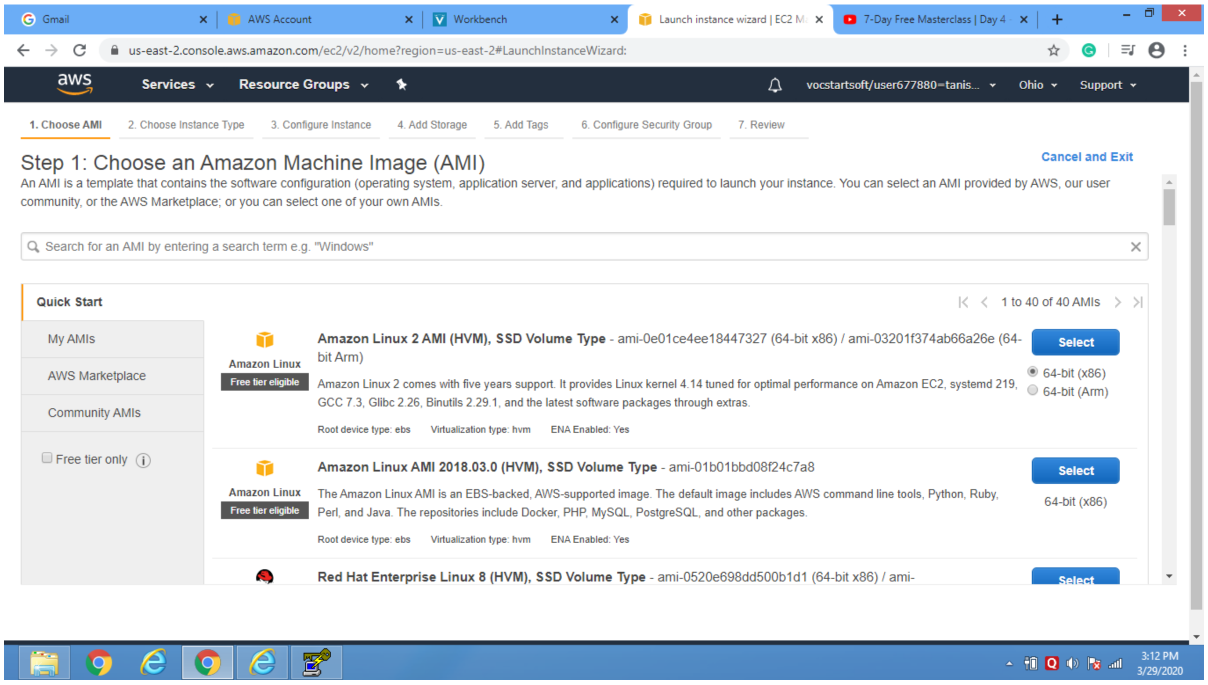
EC2

1)Choosing AMI



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

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

1 to 40 of 40 AMIs

Amazon Linux — Free tier eligible

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

Select — 64-bit (x86) / 64-bit (Arm)

Amazon Linux — Free tier eligible

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

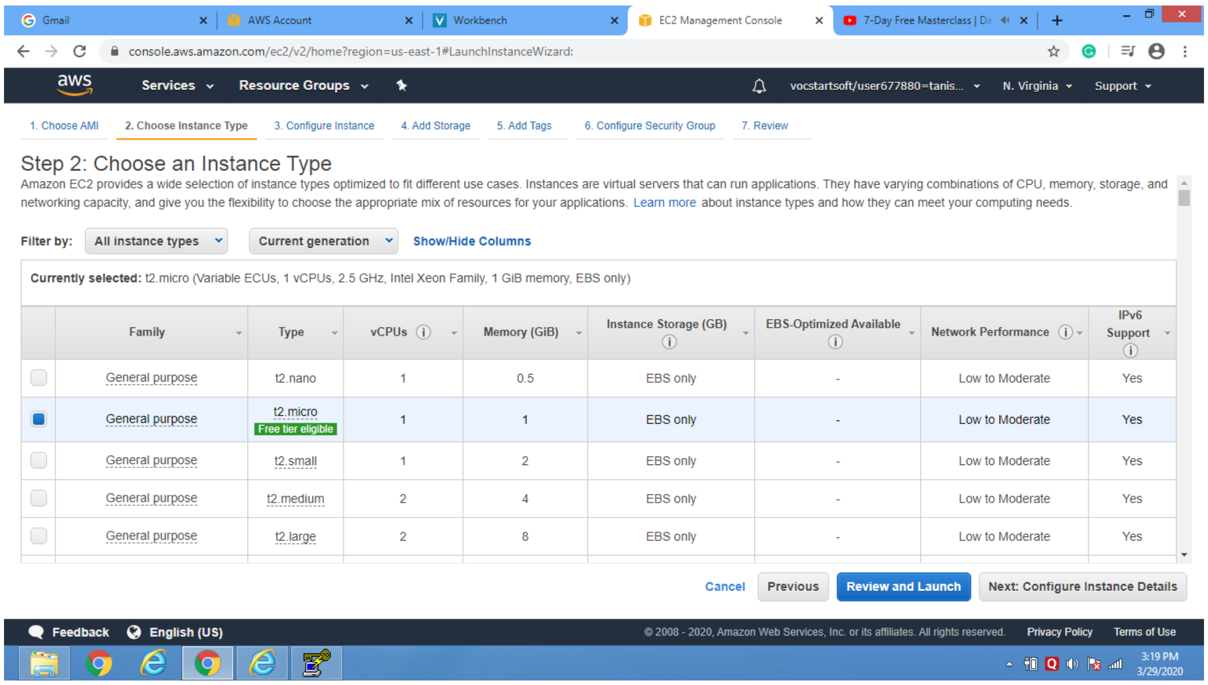
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

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-

2)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.

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

Cancel
Previous
Review and Launch
Next: Configure Instance Details
Feedback
English (US)
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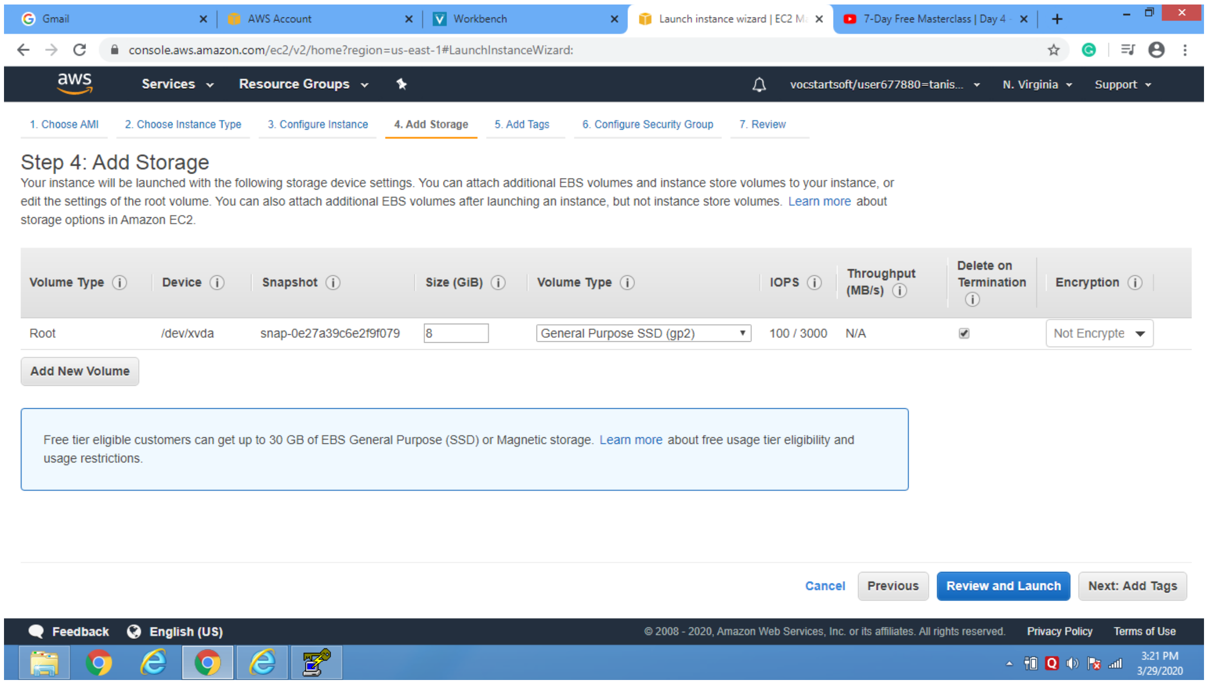
Terms of Use
3:19 PM
3/29/2020

3)Adding storage



Gmail
AWS Account
Workbench
Launch instance wizard | EC2 M
7-Day Free Masterclass | Day 4
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Resource Groups
vocstartsoft/user677880=tanis...
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

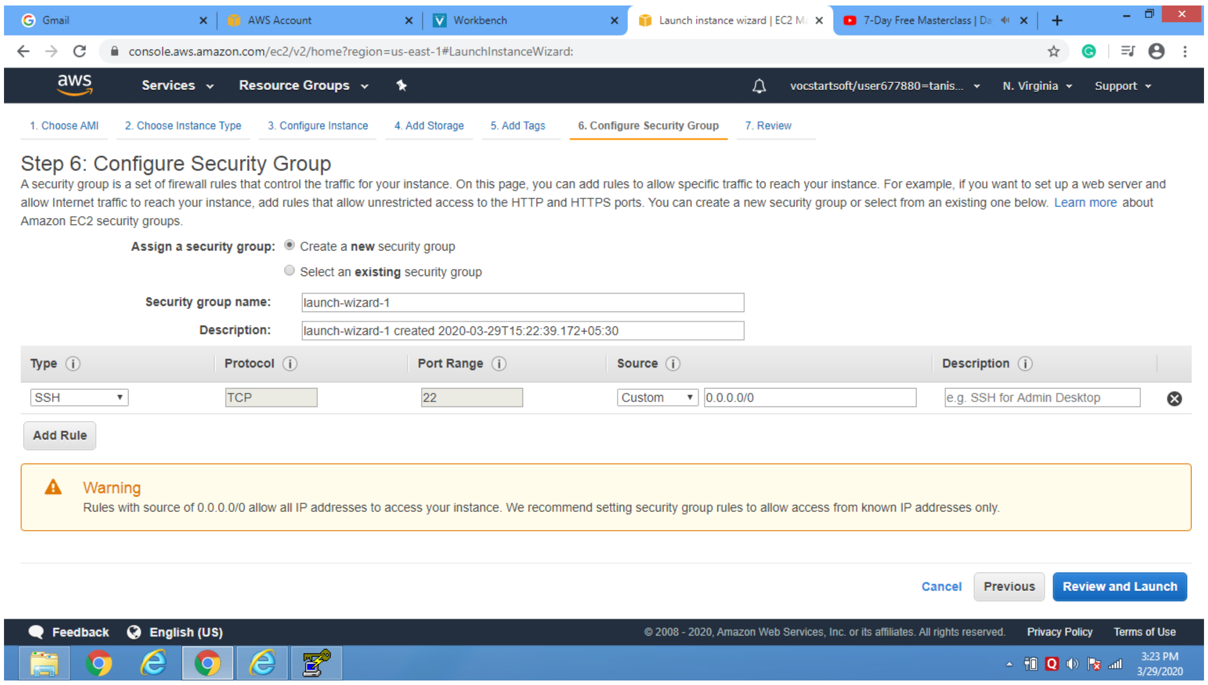
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes.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

4)Configuring security group



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

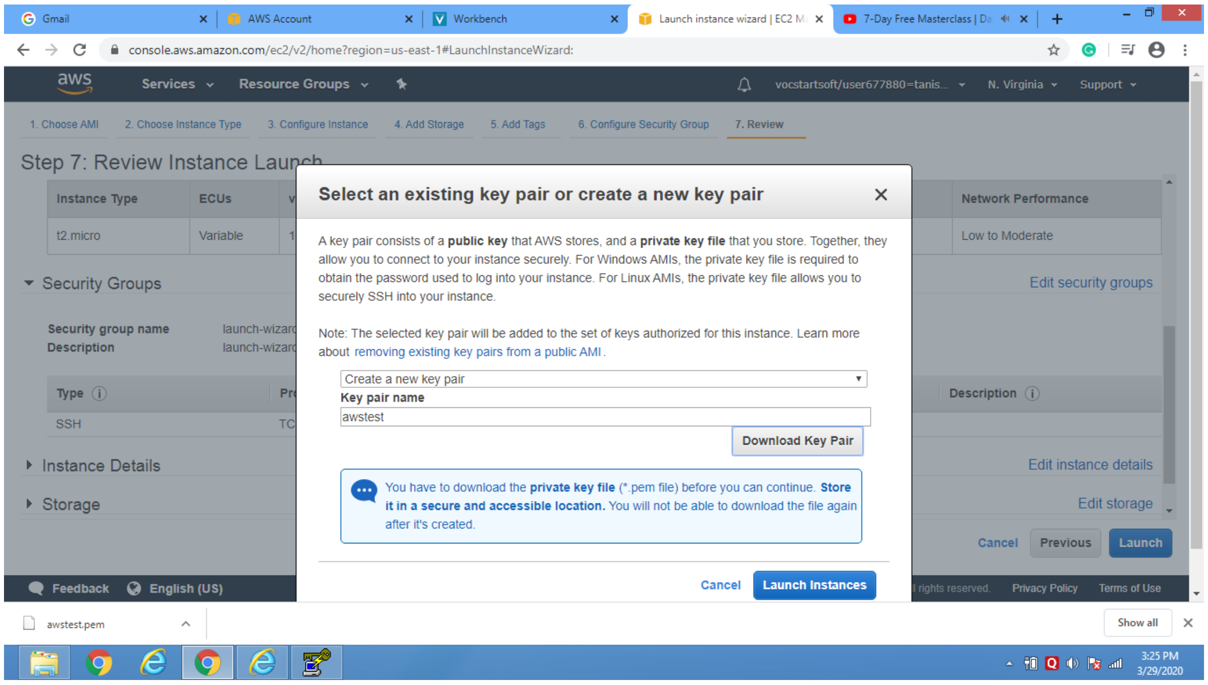
Security group name: launch-wizard-1

Description: launch-wizard-1 created 2020-03-29T15:22:39.172+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

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.

5)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

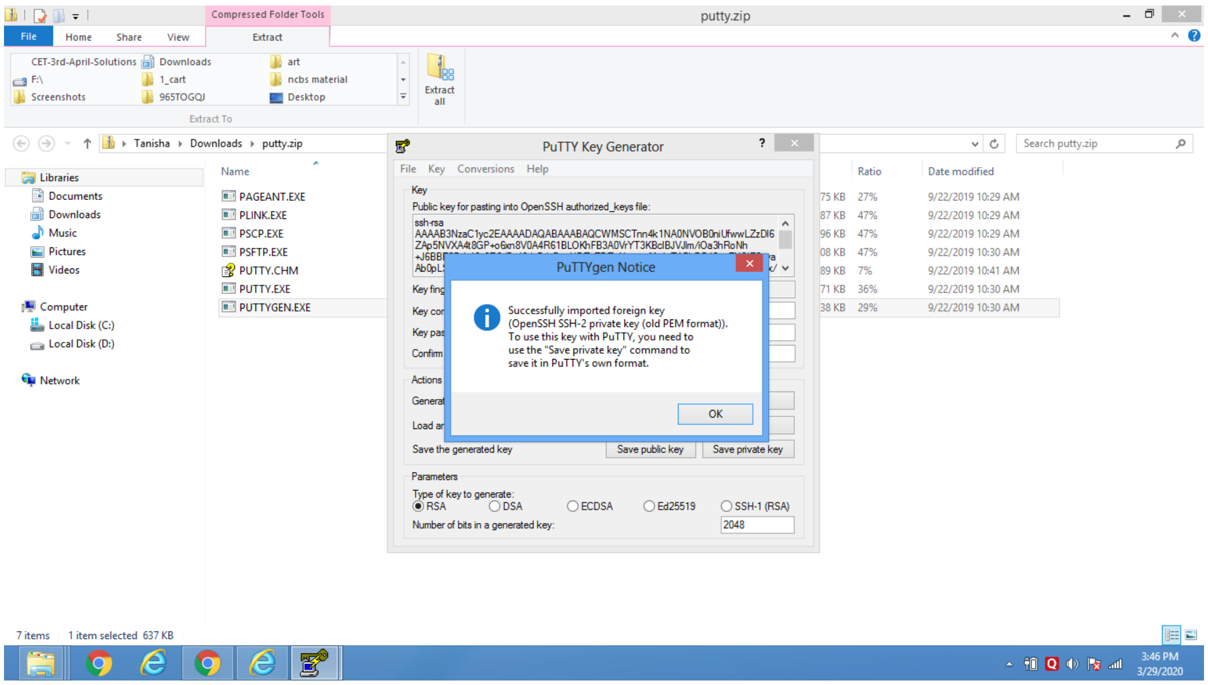
Key pair name: awstest

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.

Cancel Launch Instances

6)PuTTYgen conversion from pem to ppk



Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCWMSCTnn4k1NA0NVOB0niUfwwLZzDI6
ZAp5NVXA4t8GP+o6xn8V0A4R61BLOKhFB3A0VrYT3KBclBJVJlm/iOa3hRoNh
```

PuTTYgen Notice

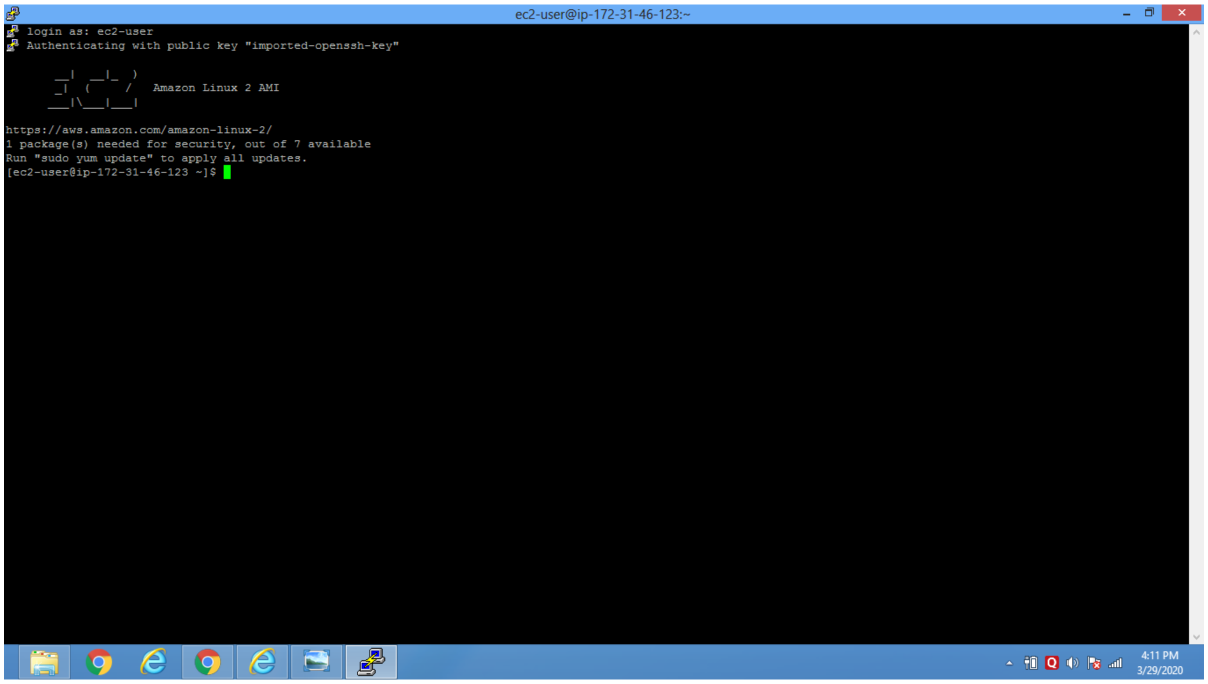
Successfully imported foreign key (OpenSSH SSH-2 private key (old PEM format)). To use this key with PuTTY, you need to use the "Save private key" command to save it in PuTTY's own format.

Parameters

Type of key to generate: [✓ RSA] DSA ECDSA Ed25519 SSH-1 (RSA)

Number of bits in a generated key: 2048

7)Logged in EC2 blackscreen



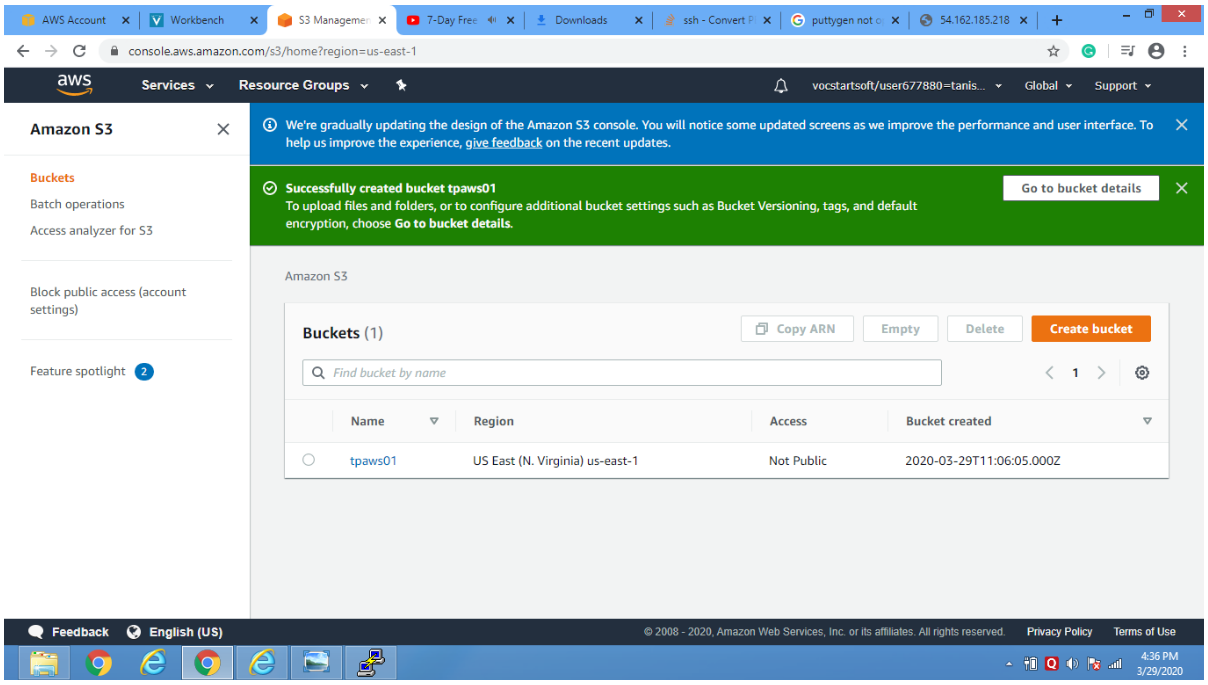
```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

       __|  __|_  )
       _|  (     /   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-172-31-46-123 ~]$
```

S3

1)Creatingbucket



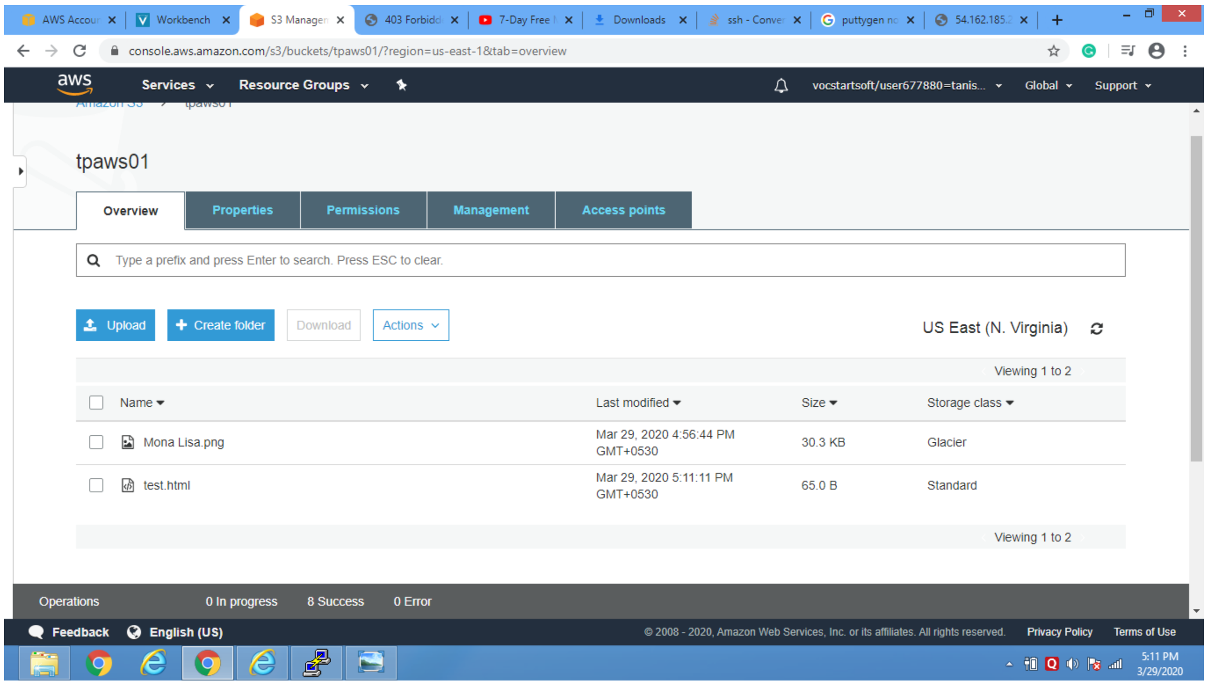
We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.

Successfully created bucket tpaws01
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose **Go to bucket details.**

Buckets (1)

Name	Region	Access	Bucket created
tpaws01	US East (N. Virginia) us-east-1	Not Public	2020-03-29T11:06:05.000Z

2)Uploading an object

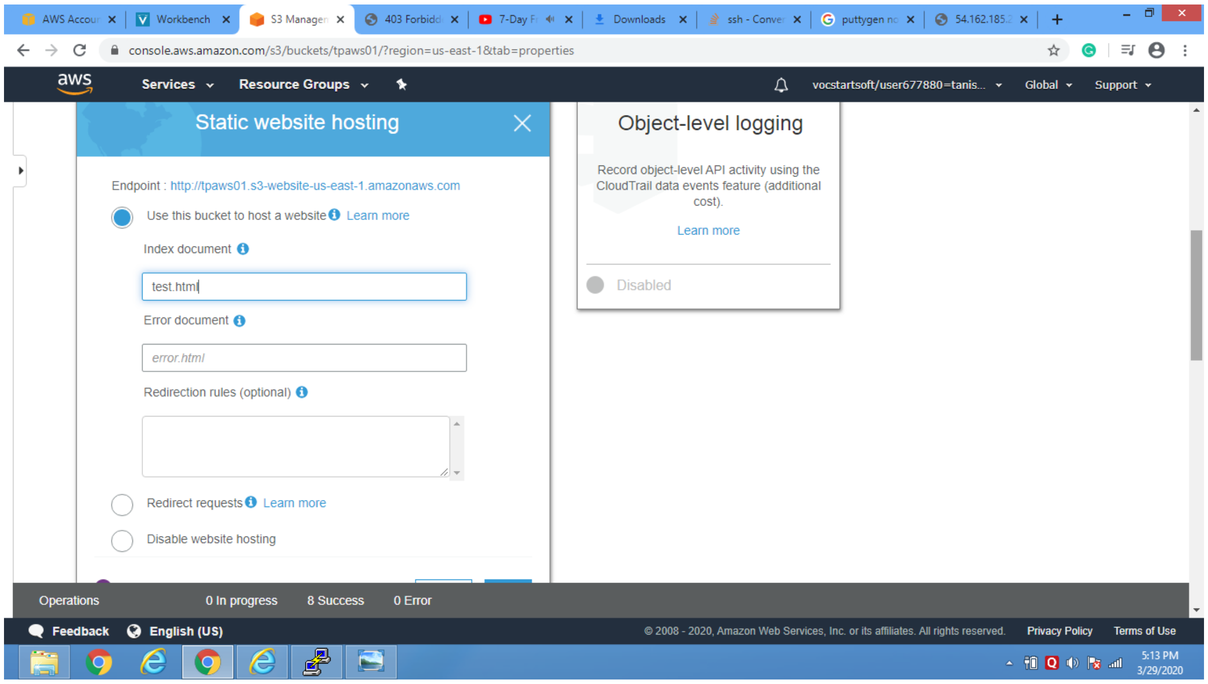


tpaws01

Name	Last modified	Size	Storage class
Mona Lisa.png	Mar 29, 2020 4:56:44 PM GMT+0530	30.3 KB	Glacier
test.html	Mar 29, 2020 5:11:11 PM GMT+0530	65.0 B	Standard

Operations 0 In progress 8 Success 0 Error

3)Enabling static website



console.aws.amazon.com/s3/buckets/tpaws01/?region=us-east-1&tab=properties

Static website hosting

Endpoint : http://tpaws01.s3-website-us-east-1.amazonaws.com

[✓ Use this bucket to host a website] Learn more

Index document: test.html

Error document: error.html

Redirection rules (optional)

Redirect requests Learn more

Disable website hosting

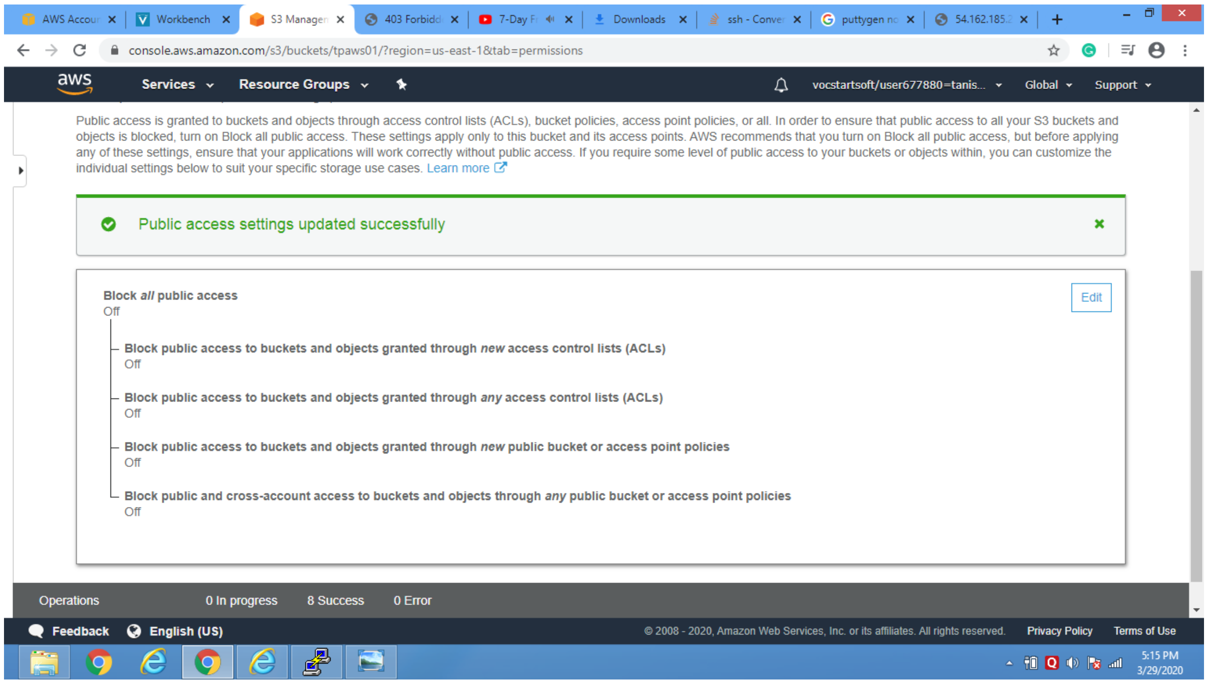
Object-level logging

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

Learn more

Disabled

Operations 0 In progress 8 Success 0 Error



console.aws.amazon.com/s3/buckets/tpaws01/?region=us-east-1&tab=permissions

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

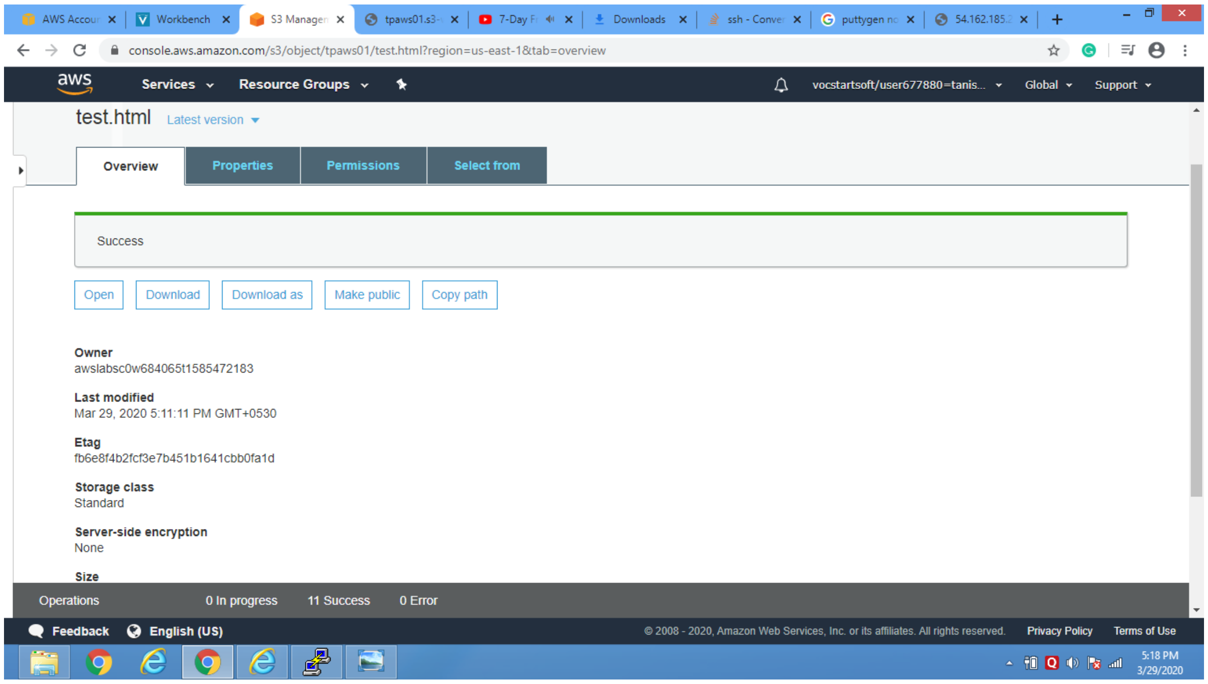
Public access settings updated successfully

Block *all* public access
Off

- Block public access to buckets and objects granted through *new* access control lists (ACLs)
  Off
- Block public access to buckets and objects granted through *any* access control lists (ACLs)
  Off
- Block public access to buckets and objects granted through *new* public bucket or access point policies
  Off
- Block public and cross-account access to buckets and objects through *any* public bucket or access point policies
  Off

Operations 0 In progress 8 Success 0 Error

4)Making object public


test.html Latest version

Success

Owner
awslabsc0w684065t1585472183

Last modified
Mar 29, 2020 5:11:11 PM GMT+0530

Etag
fb6e8f4b2fcf3e7b451b1641cbb0fa1d

Storage class
Standard

Server-side encryption
None

Size

Operations 0 In progress 11 Success 0 Error

console.aws.amazon.com/s3/object/tpaws01/test.html?region=us-east-1&tab=overview
Services
Resource Groups
vocstartsoft/user677880=tanis...
Global
Support
Overview
Properties
Permissions
Select from
Open
Download
Download as
Make public
Copy path
Feedback
English (US)
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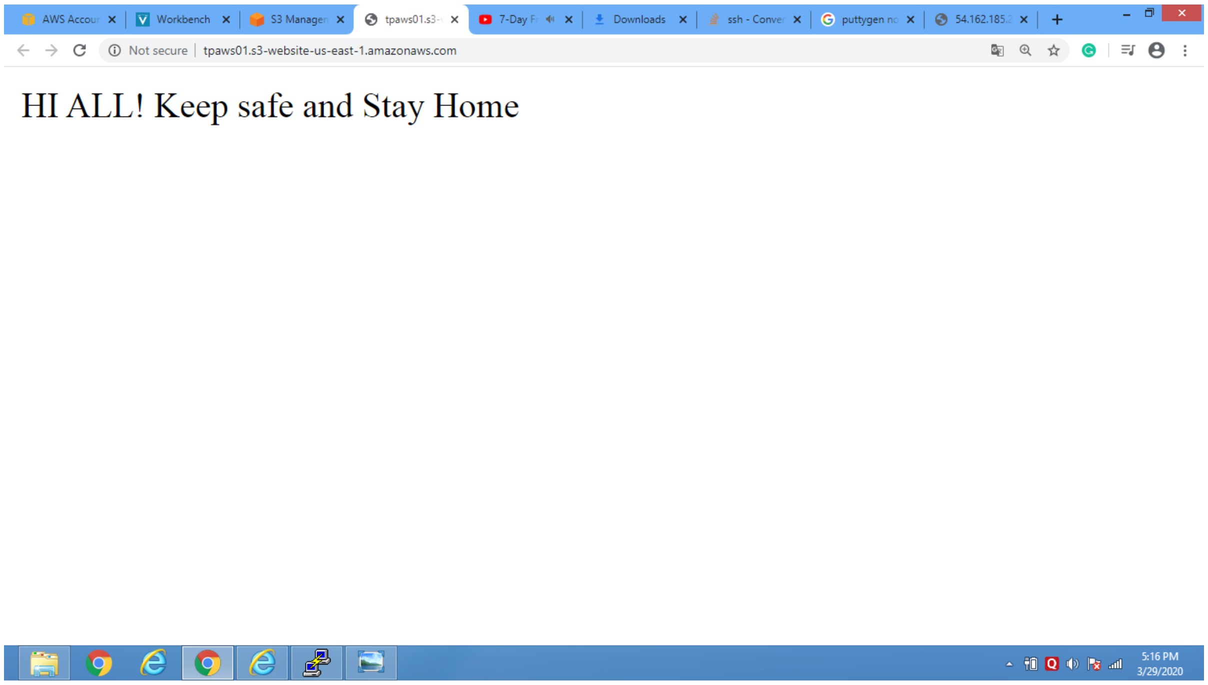
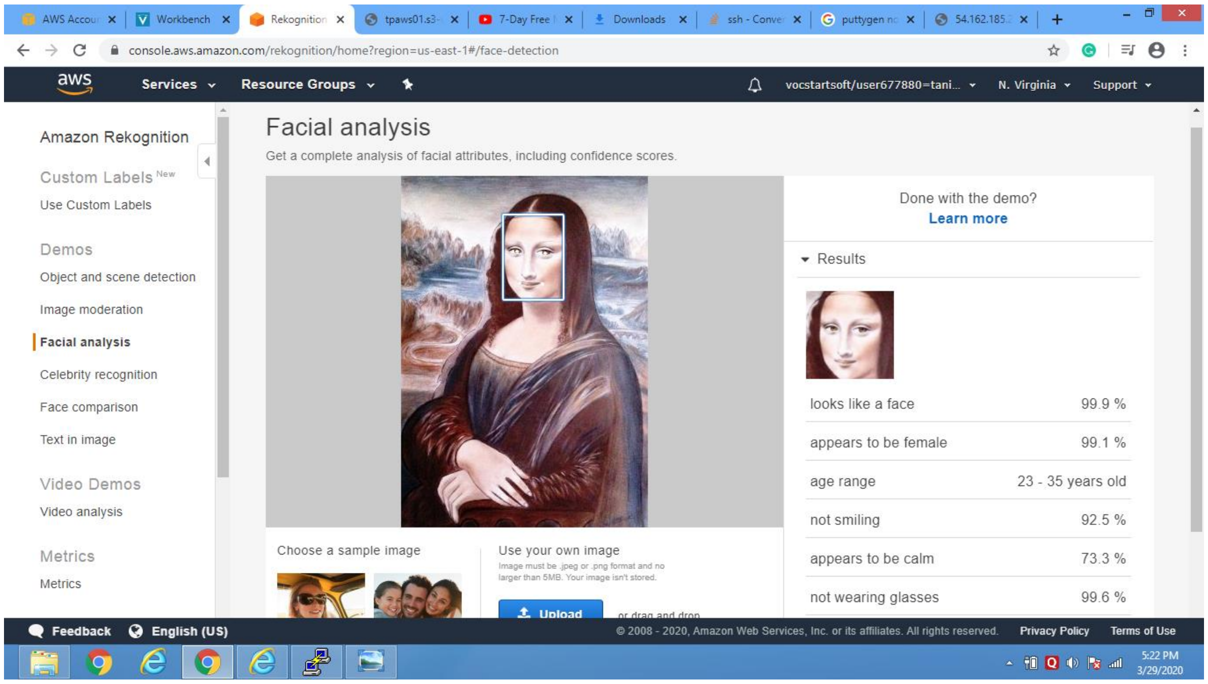
Privacy Policy
Terms of Use

5)Checking S3 link on browser


HI ALL! Keep safe and Stay Home

REKOGNITION

1)Face Detect



Facial analysis

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

Done with the demo?
Learn more

Results

looks like a face	99.9 %
appears to be female	99.1 %
age range	23 - 35 years old
not smiling	92.5 %
appears to be calm	73.3 %
not wearing glasses	99.6 %

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

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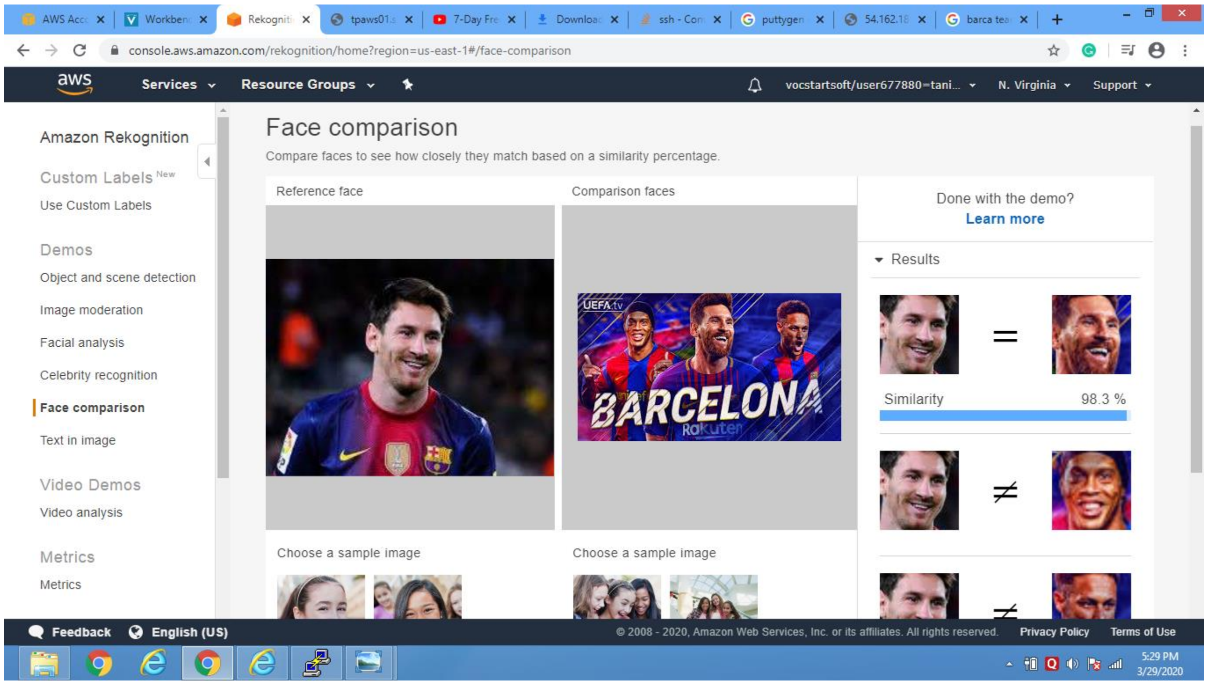
2)Face compare



Face comparison

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

Done with the demo?
Learn more

Results

=

Similarity 98.3 %

≠

≠

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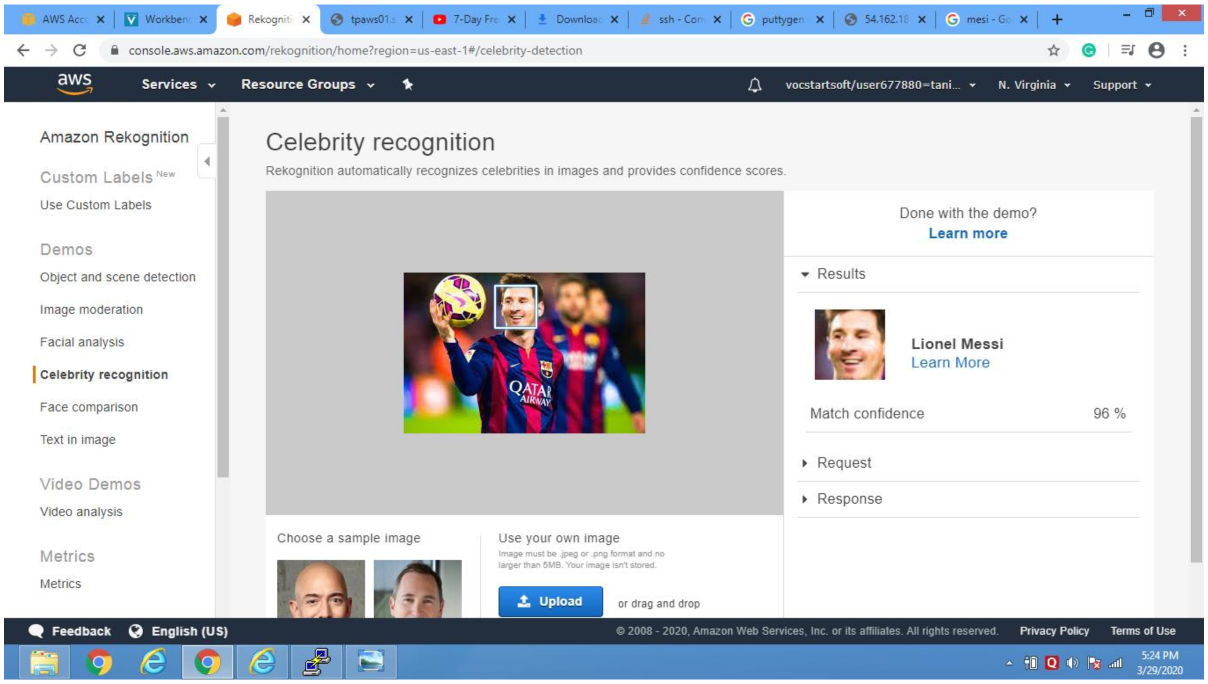
3)Celebrity Recognition



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

Lionel Messi
Learn More

Match confidence 96 %

Request

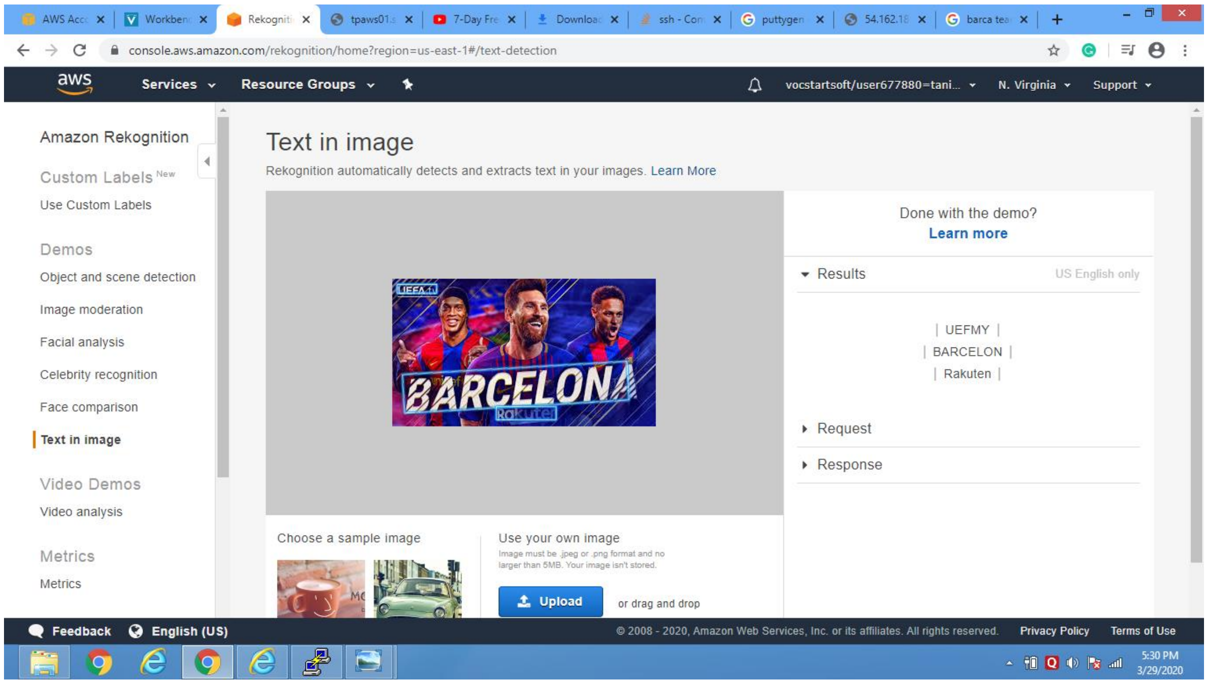
Response

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

4)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

| UEFMY |
| BARCELON |
| Rakuten |

Request

Response

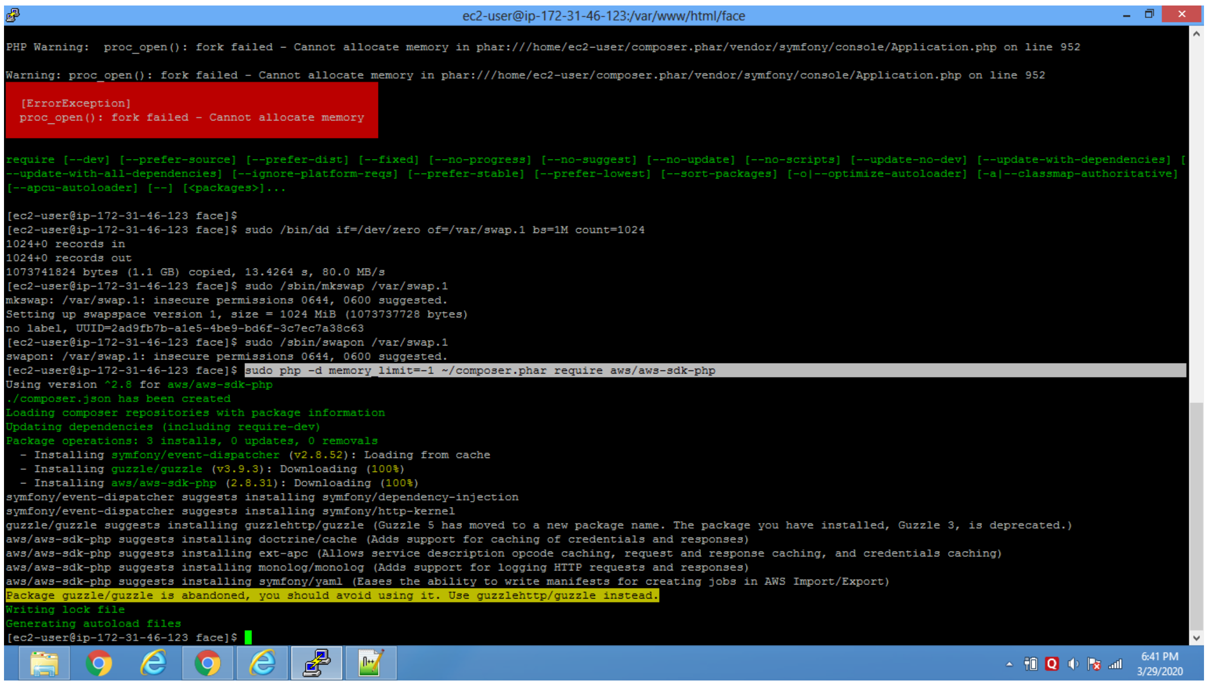
Choose a sample image

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

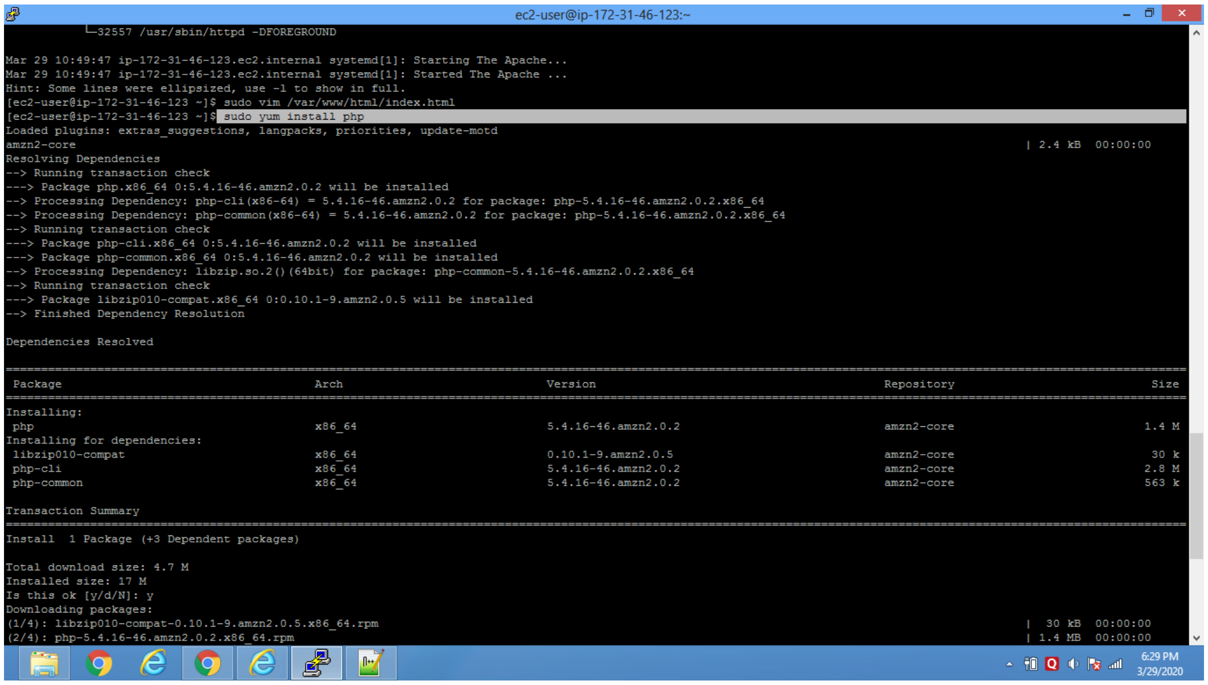
EC2 AND S3

1)Install aws sdk

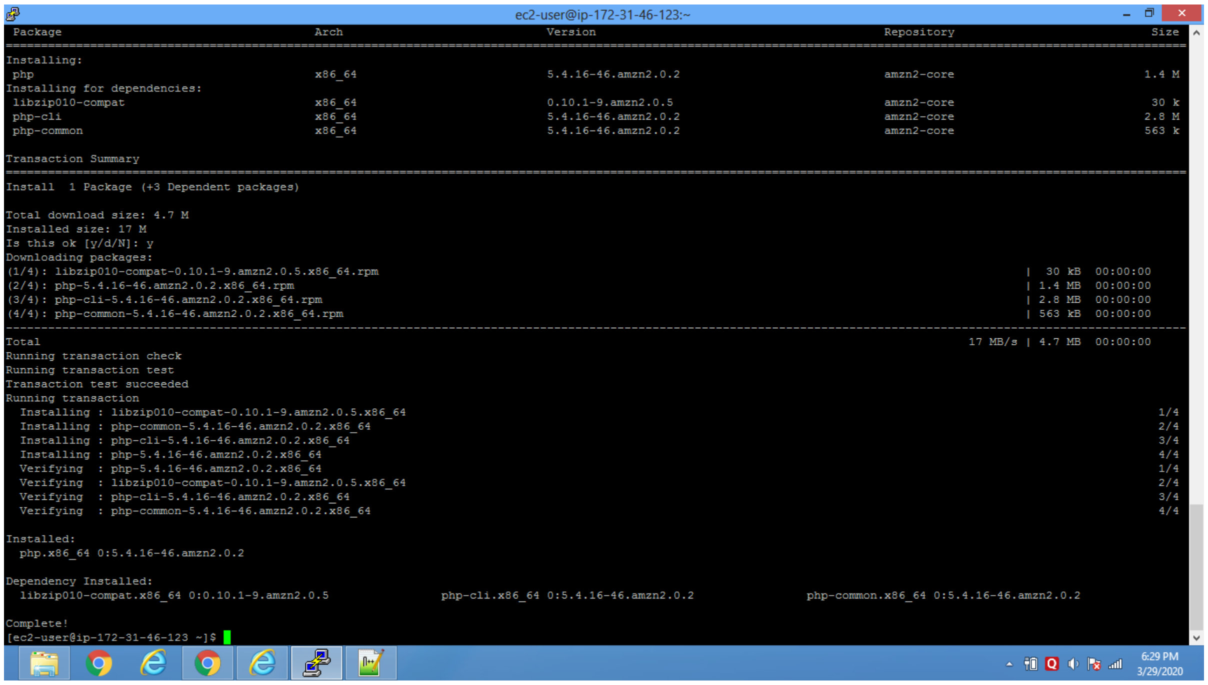


```
PHP Warning:  proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952

Warning: proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952

  [ErrorException]
  proc_open(): fork failed - Cannot allocate memory

require [--dev] [--prefer-source] [--prefer-dist] [--fixed] [--no-progress] [--no-suggest] [--no-update] [--no-scripts] [--update-no-dev] [--update-with-dependencies] [
--update-with-all-dependencies] [--ignore-platform-reqs] [--prefer-stable] [--prefer-lowest] [--sort-packages] [-o|--optimize-autoloader] [-a|--classmap-authoritative]
[--apcu-autoloader] [--] [<packages>]...

[ec2-user@ip-172-31-46-123 face]$
[ec2-user@ip-172-31-46-123 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, 13.4264 s, 80.0 MB/s
[ec2-user@ip-172-31-46-123 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=2ad9fb7b-a1e5-4be9-bd6f-3c7ec7a38c63
[ec2-user@ip-172-31-46-123 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-46-123 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-172-31-46-123 face]$
```

2)Install php

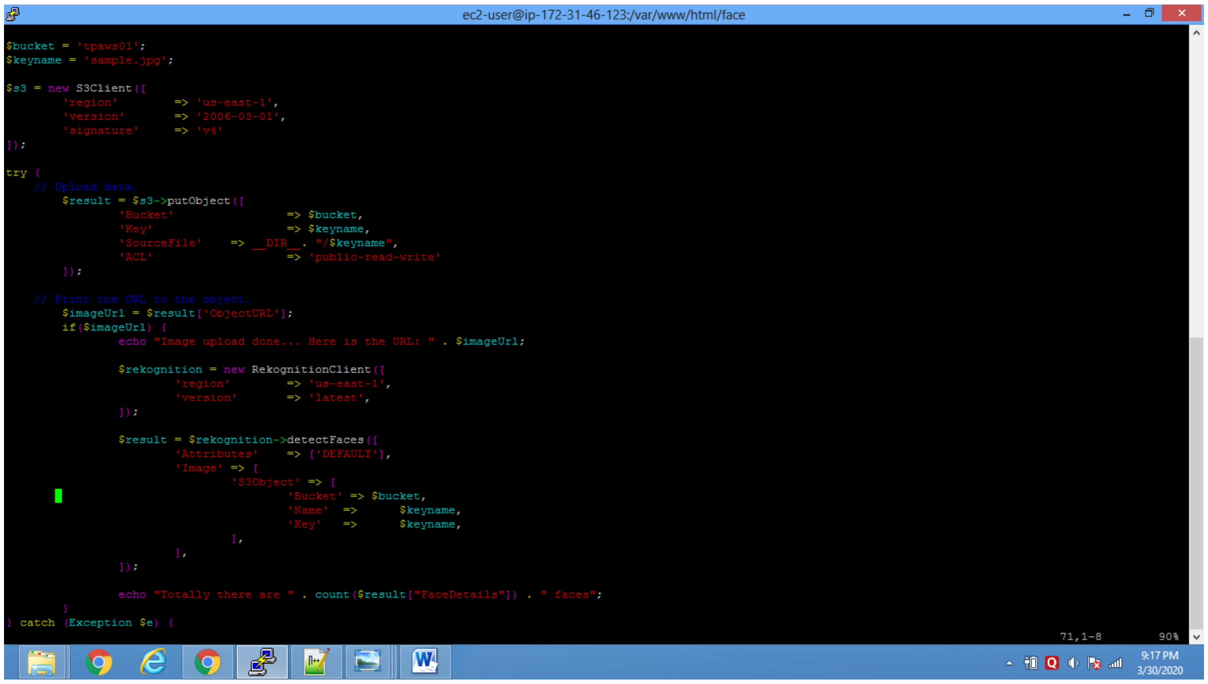


```
         └─32557 /usr/sbin/httpd -DFOREGROUND

Mar 29 10:49:47 ip-172-31-46-123.ec2.internal systemd[1]: Starting The Apache...
Mar 29 10:49:47 ip-172-31-46-123.ec2.internal systemd[1]: Started The Apache ...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-46-123 ~]$ sudo vim /var/www/html/index.html
[ec2-user@ip-172-31-46-123 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                                                                   | 2.4 kB  00:00:00
Resolving Dependencies
--> Running transaction check
---> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
---> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
---> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
---> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

===========================================================================================================================================================
 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
```



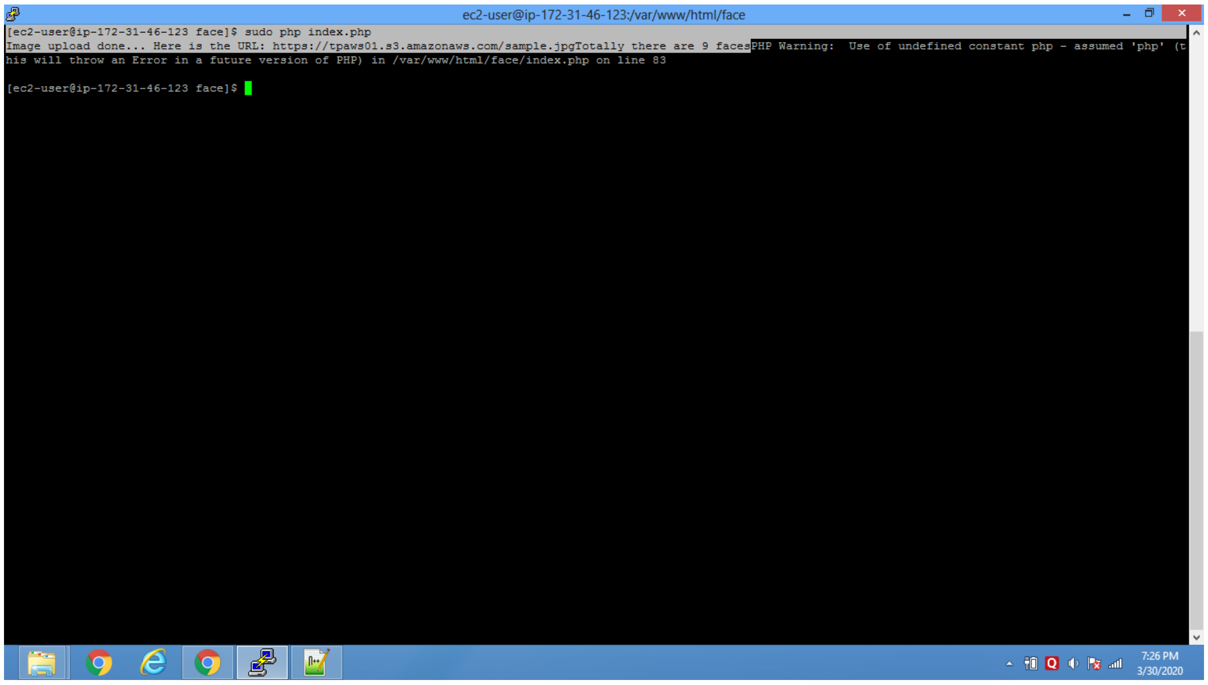
```
 Package                                     Arch                             Version                                          Repository                               Size
========================================================================================================================================================================
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                                                                                                                                    17 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-172-31-46-123 ~]$
```

3)Index.php file code

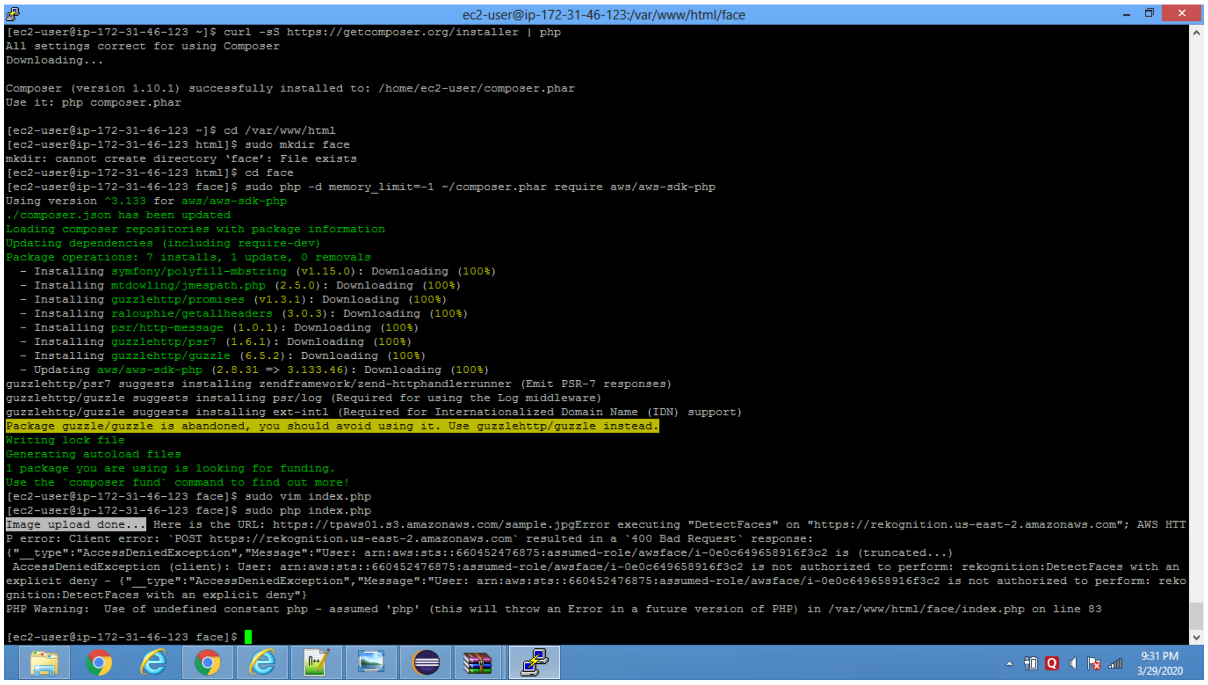


```
$bucket = 'tpaws01';
$keyname = 'sample.jpg';

$s3 = new S3Client([
        '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-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-1',
                        '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) {
                                                                                                                                    71,1-8          90%
```

4)Upload success screenshot



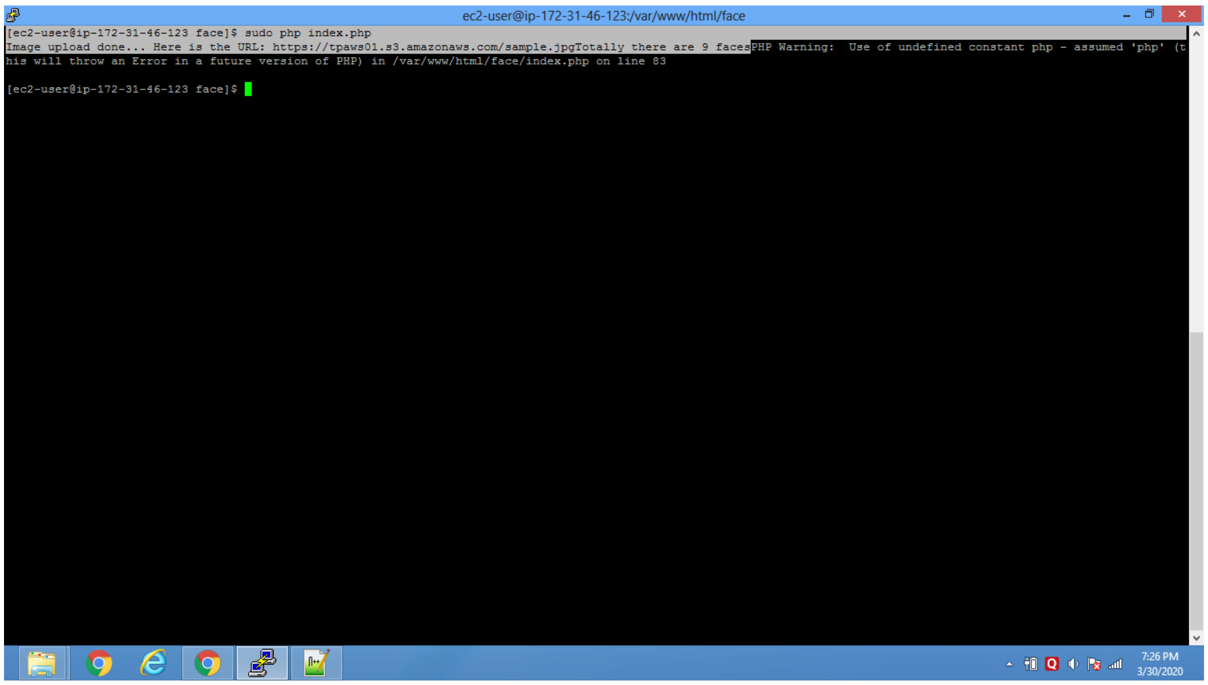
```
[ec2-user@ip-172-31-46-123 face]$ sudo php index.php
Image upload done... Here is the URL: https://tpaws01.s3.amazonaws.com/sample.jpgTotally there are 9 facesPHP Warning:  Use of undefined constant php - assumed 'php' (t
his will throw an Error in a future version of PHP) in /var/www/html/face/index.php on line 83

[ec2-user@ip-172-31-46-123 face]$
```



```
[ec2-user@ip-172-31-46-123 ~]$ 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.phar
Use it: php composer.phar

[ec2-user@ip-172-31-46-123 ~]$ cd /var/www/html
[ec2-user@ip-172-31-46-123 html]$ sudo mkdir face
mkdir: cannot create directory ‘face’: File exists
[ec2-user@ip-172-31-46-123 html]$ cd face
[ec2-user@ip-172-31-46-123 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.133 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 7 installs, 1 update, 0 removals
  - Installing symfony/polyfill-mbstring (v1.15.0): Downloading (100%)
  - Installing mtdowling/jmespath.php (2.5.0): Downloading (100%)
  - Installing guzzlehttp/promises (v1.3.1): Downloading (100%)
  - Installing ralouphie/getallheaders (3.0.3): Downloading (100%)
  - Installing psr/http-message (1.0.1): Downloading (100%)
  - Installing guzzlehttp/psr7 (1.6.1): Downloading (100%)
  - Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
  - Updating aws/aws-sdk-php (2.8.31 => 3.133.46): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httphandlerrunner (Emit PSR-7 responses)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain Name (IDN) support)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-46-123 face]$ sudo vim index.php
[ec2-user@ip-172-31-46-123 face]$ sudo php index.php
Image upload done... Here is the URL: https://tpaws01.s3.amazonaws.com/sample.jpgError executing "DetectFaces" on "https://rekognition.us-east-2.amazonaws.com"; AWS HTT
P error: Client error: `POST https://rekognition.us-east-2.amazonaws.com` resulted in a `400 Bad Request` response:
{"__type":"AccessDeniedException","Message":"User: arn:aws:sts::660452476875:assumed-role/awsface/i-0e0c649658916f3c2 is (truncated...)
 AccessDeniedException (client): User: arn:aws:sts::660452476875:assumed-role/awsface/i-0e0c649658916f3c2 is not authorized to perform: rekognition:DetectFaces with an
explicit deny - {"__type":"AccessDeniedException","Message":"User: arn:aws:sts::660452476875:assumed-role/awsface/i-0e0c649658916f3c2 is not authorized to perform: reko
gnition:DetectFaces with an explicit deny"}
PHP Warning:  Use of undefined constant php - assumed 'php' (this will throw an Error in a future version of PHP) in /var/www/html/face/index.php on line 83

[ec2-user@ip-172-31-46-123 face]$
```

EC2 and Rekognition

1)Face detect success screenshot



```
[ec2-user@ip-172-31-46-123 face]$ sudo php index.php
Image upload done... Here is the URL: https://tpaws01.s3.amazonaws.com/sample.jpgTotally there are 9 facesPHP Warning:  Use of undefined constant php - assumed 'php' (t
his will throw an Error in a future version of PHP) in /var/www/html/face/index.php on line 83

[ec2-user@ip-172-31-46-123 face]$
```

Total=25