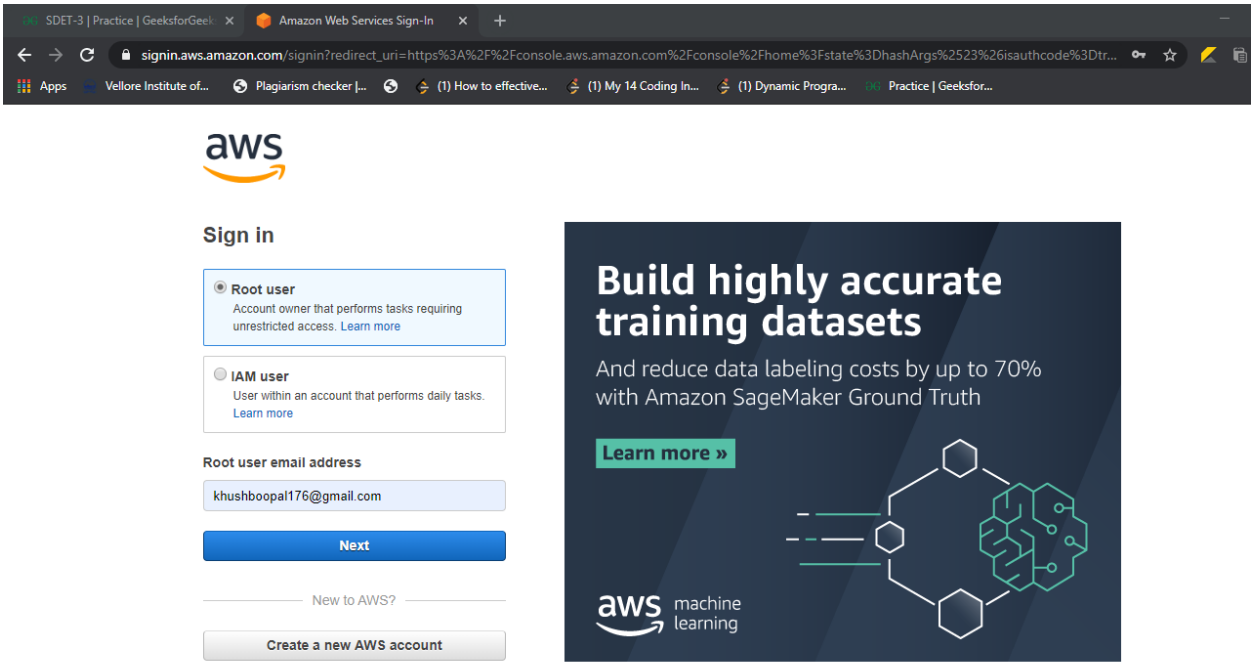
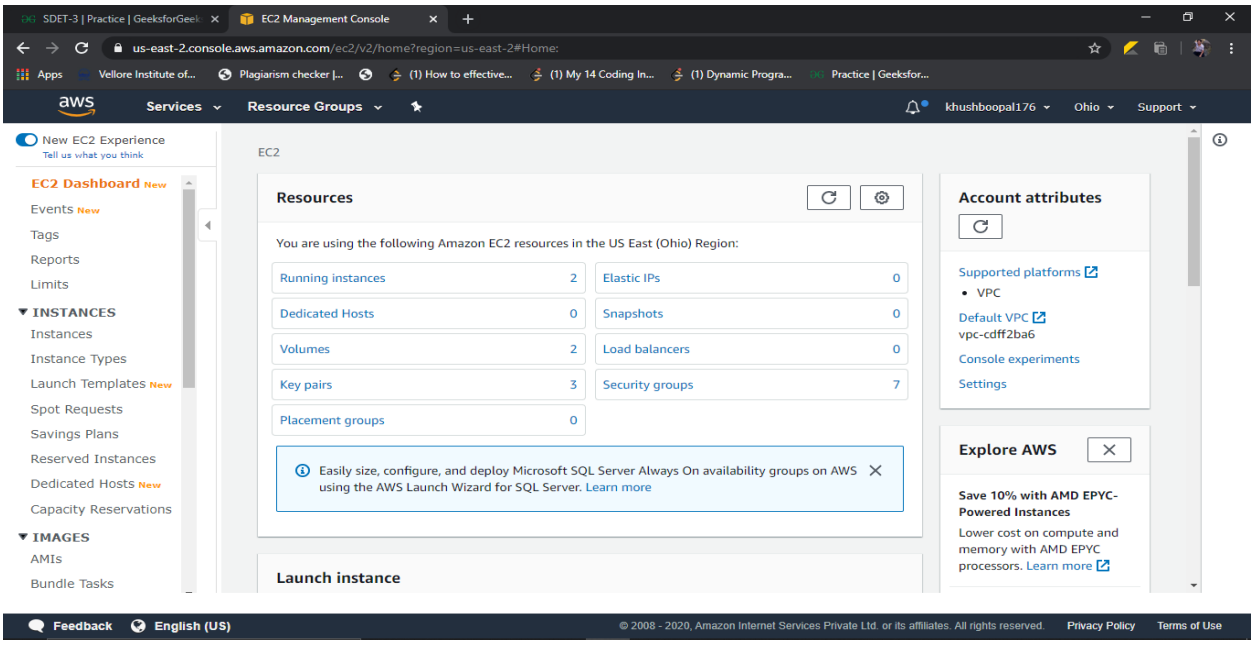
Masterclass on Aws cloud- by Aravind Sir

Screenshots Required:

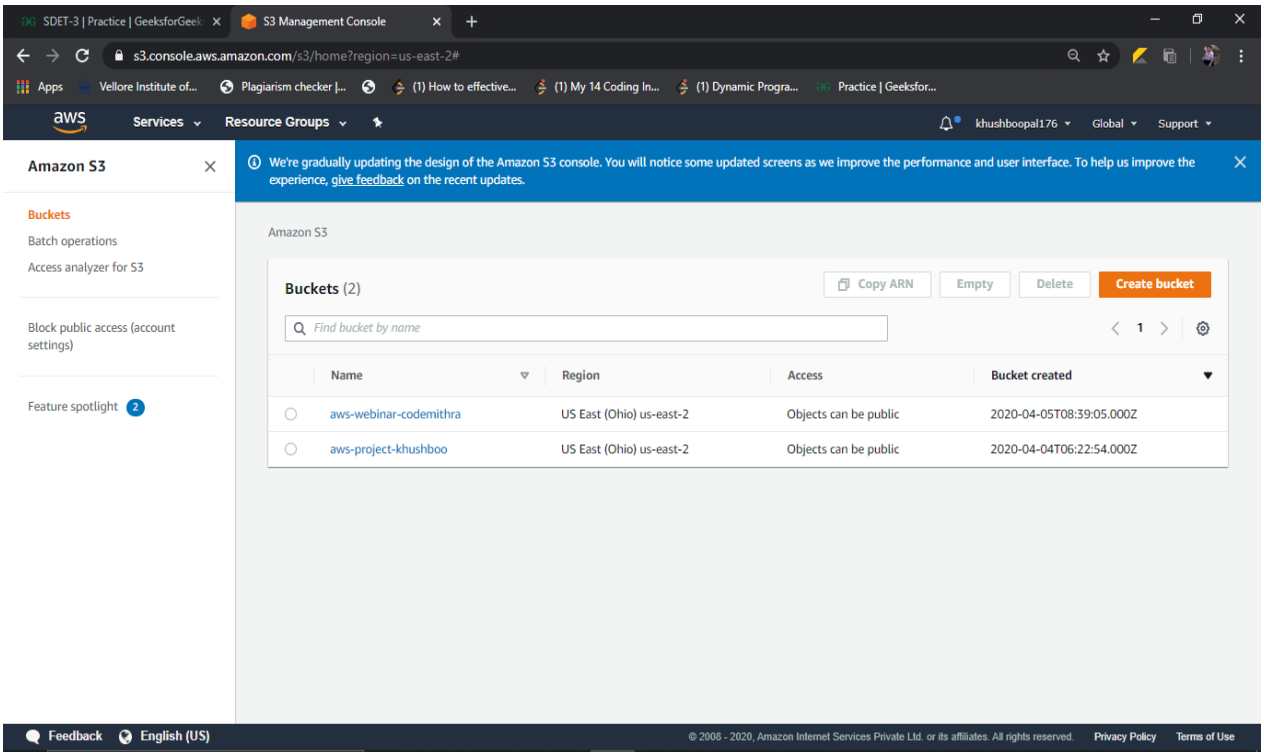
1.)



2.)



3.)


SDET-3 | Practice | GeeksforGeek
S3 Management Console
s3.console.aws.amazon.com/s3/home?region=us-east-2#
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
Global
Support
Amazon S3
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
2
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 (2)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
Name
Region
Access
Bucket created
aws-webinar-codemithra
US East (Ohio) us-east-2
Objects can be public
2020-04-05T08:39:05.000Z
aws-project-khushboo
US East (Ohio) us-east-2
Objects can be public
2020-04-04T06:22:54.000Z
Feedback
English (US)
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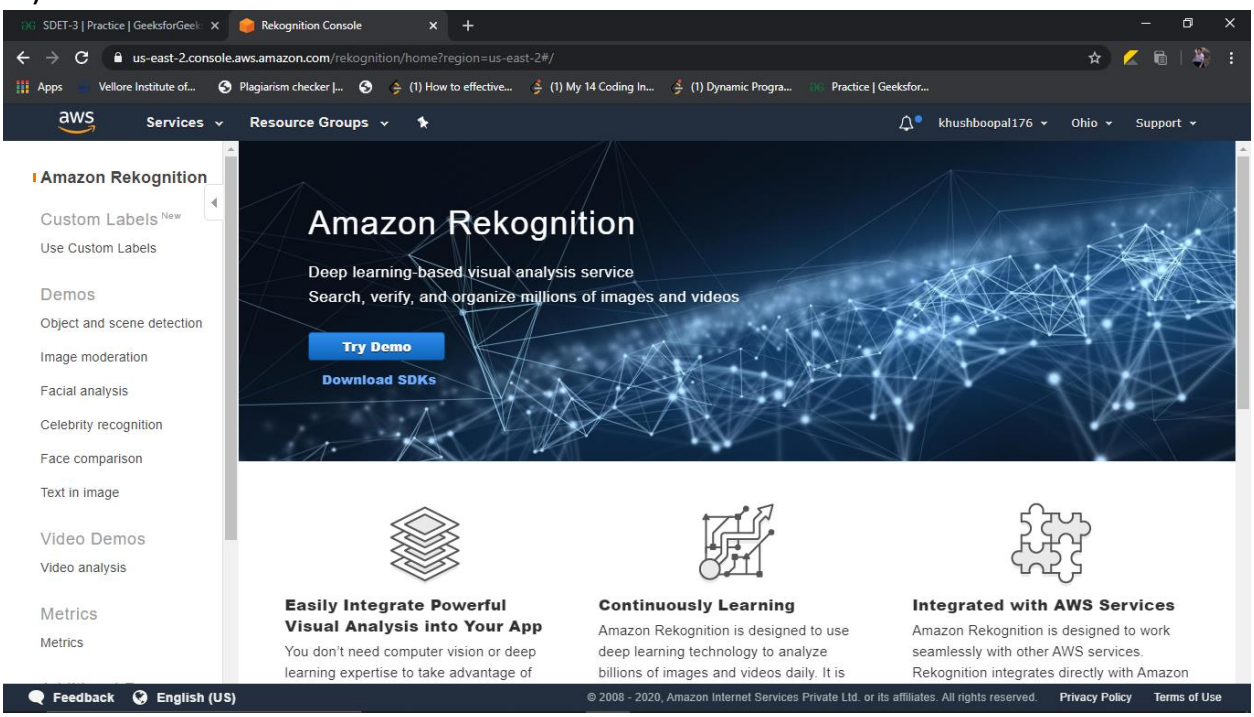
4.)


SDET-3 | Practice | GeeksforGeek
Rekognition Console
us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
Metrics
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
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
Feedback
English (US)
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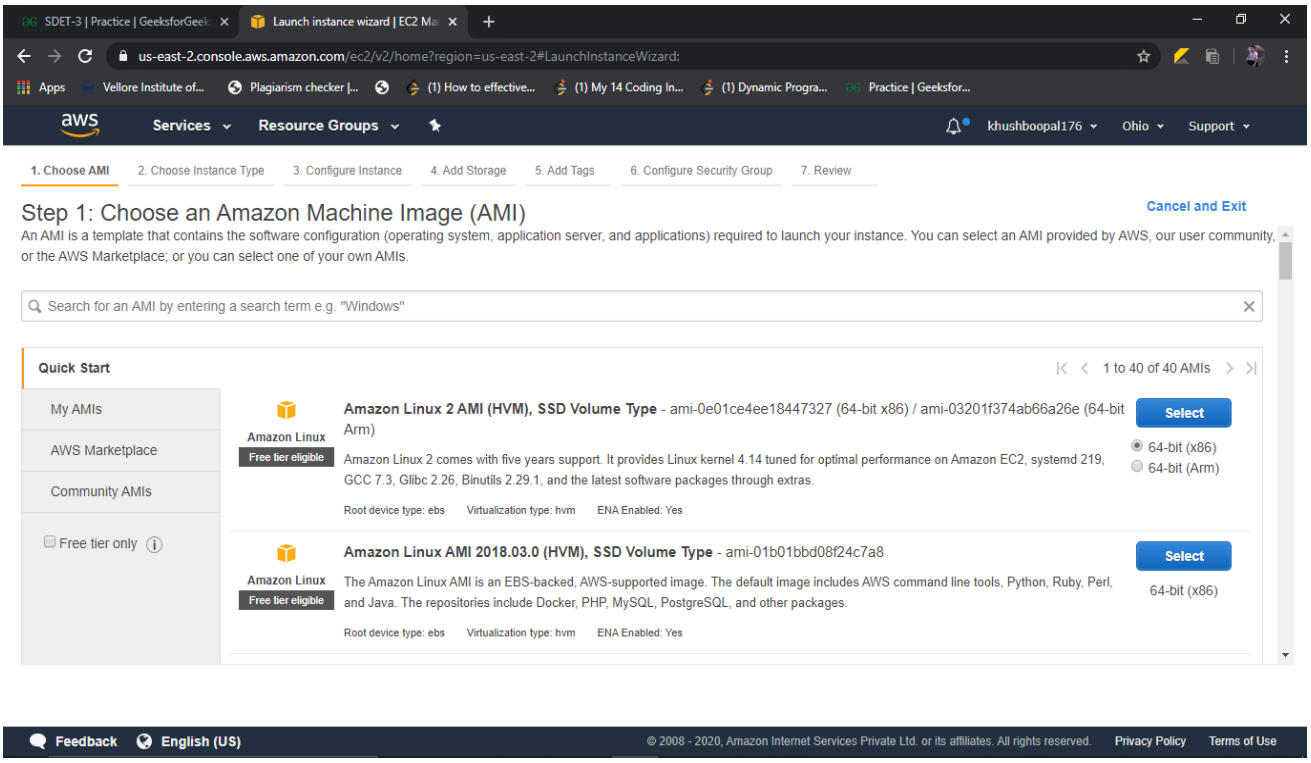
5.)


SDET-3 | Practice | GeeksforGeek
Launch instance wizard | EC2 Ma
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
1 to 40 of 40 AMIs
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)
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 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)
Feedback
English (US)
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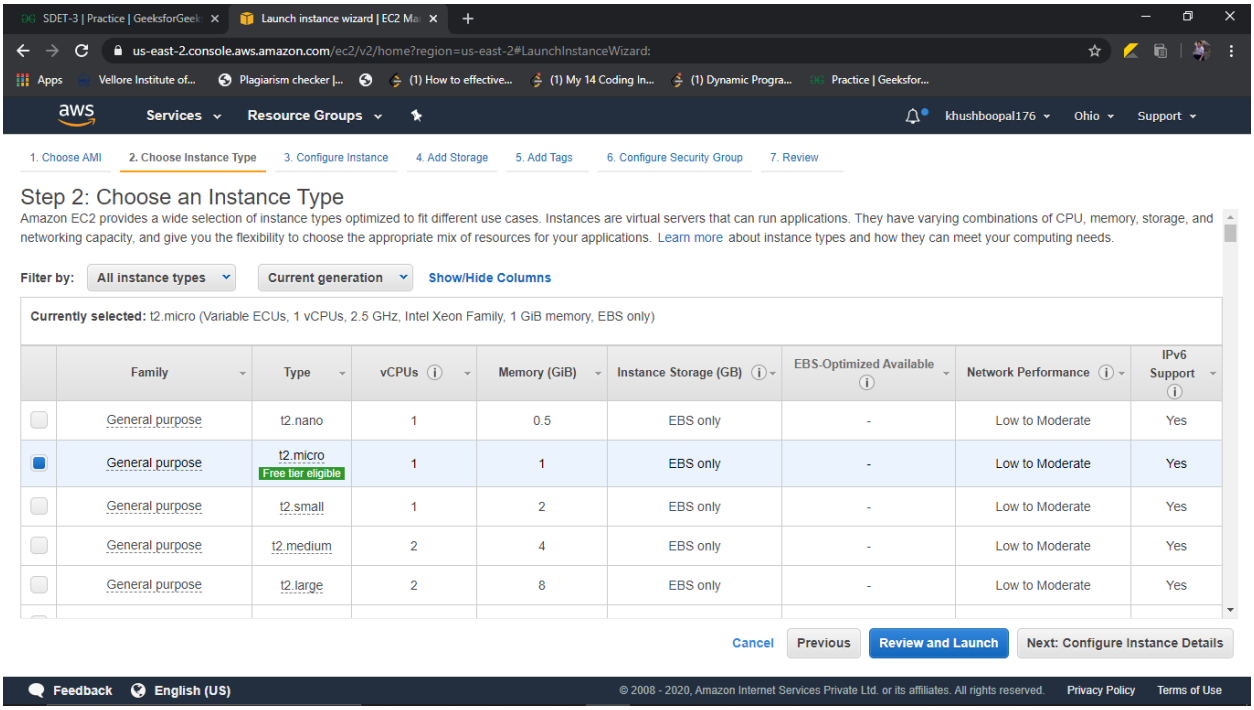
6.)


SDET-3 | Practice | GeeksforGeek
Launch instance wizard | EC2 Ma
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
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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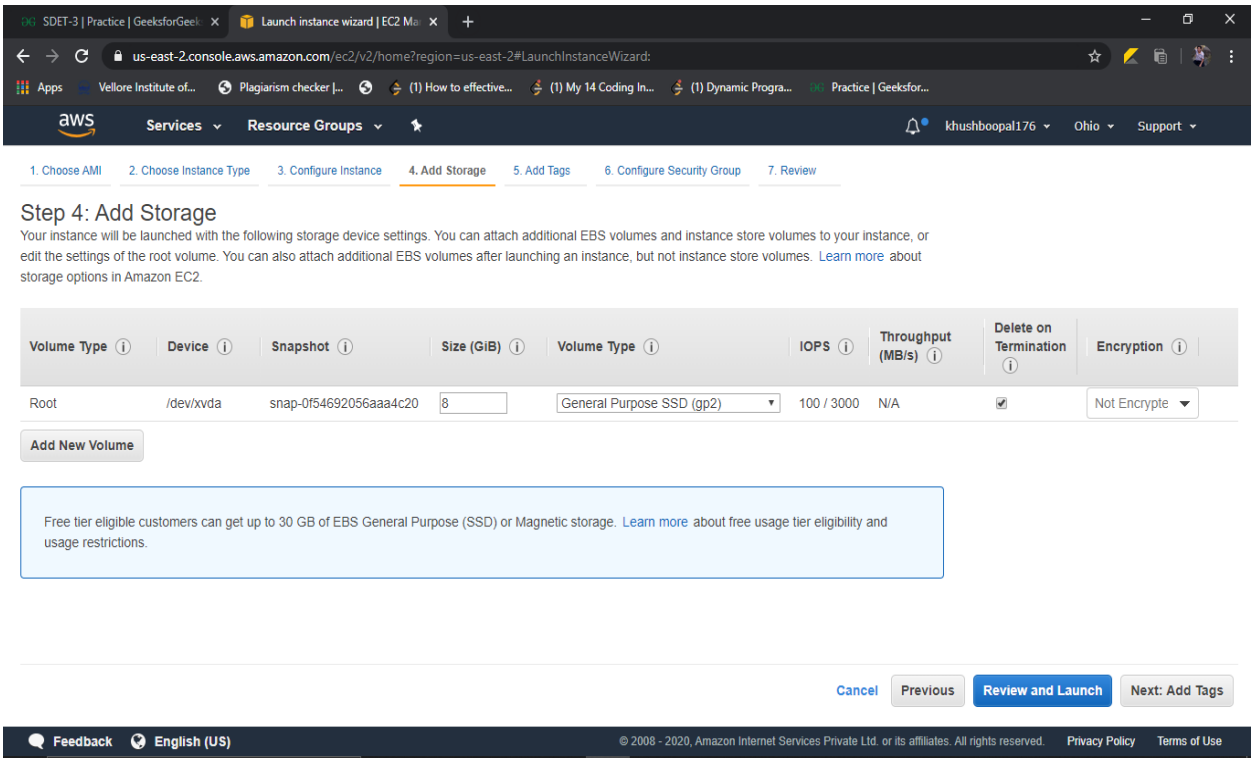
7.)


SDET-3 | Practice | GeeksforGeek
Launch instance wizard | EC2 Ma
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
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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
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.
Cancel
Previous
Review and Launch
Next: Add Tags
Feedback
English (US)
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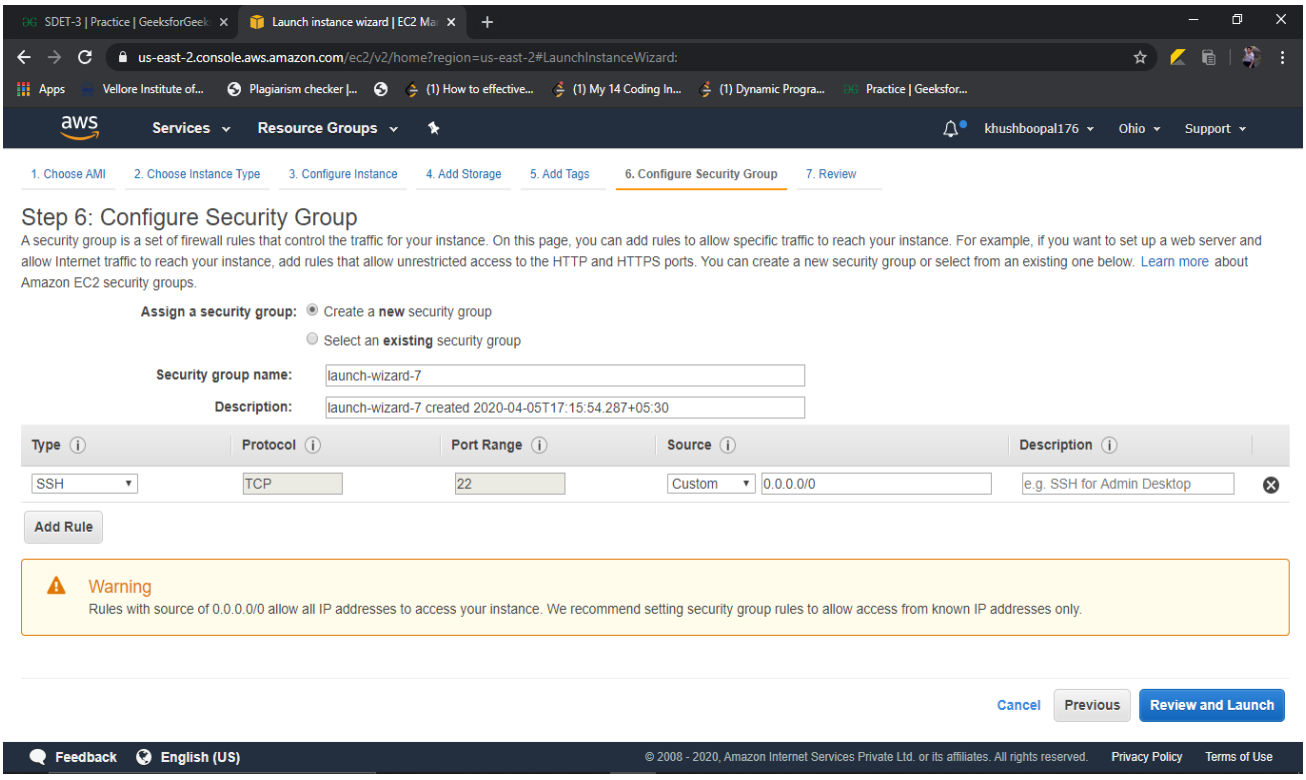
Terms of Use

8.)


SDET-3 | Practice | GeeksforGeek
Launch instance wizard | EC2 Ma
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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:
launch-wizard-7
Description:
launch-wizard-7 created 2020-04-05T17:15:54.287+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch
Feedback
English (US)
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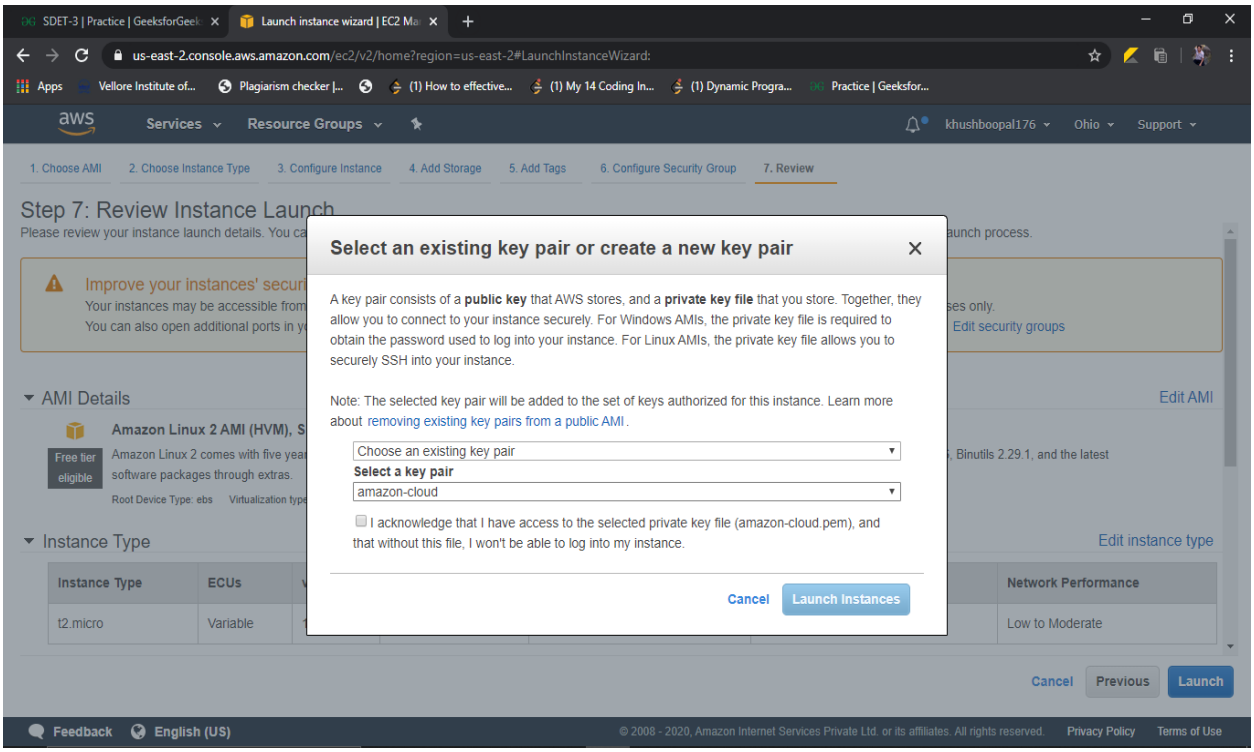
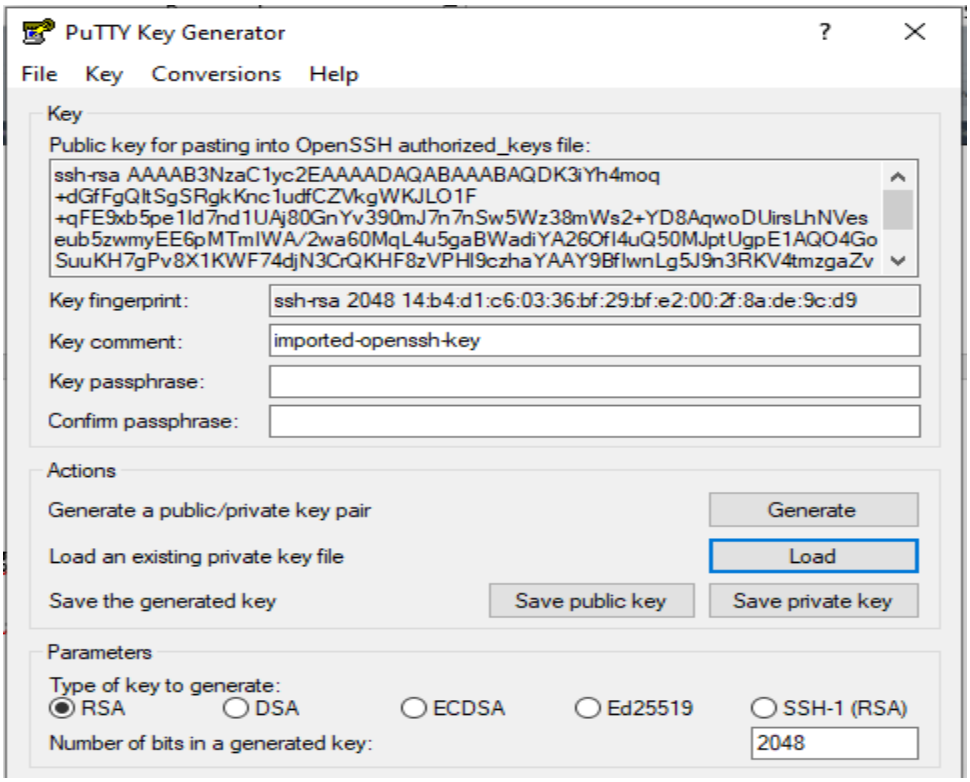
9.)

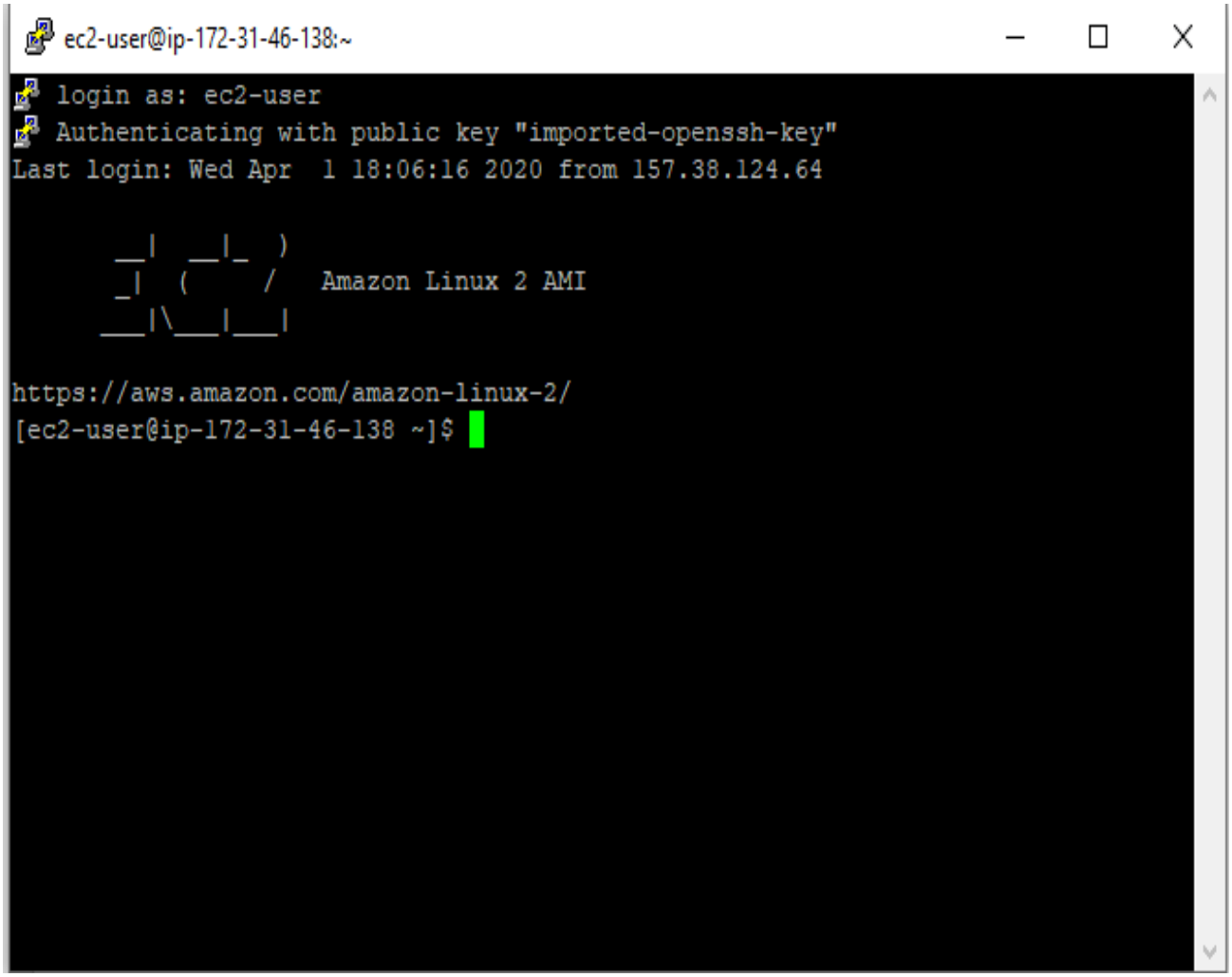


10.)

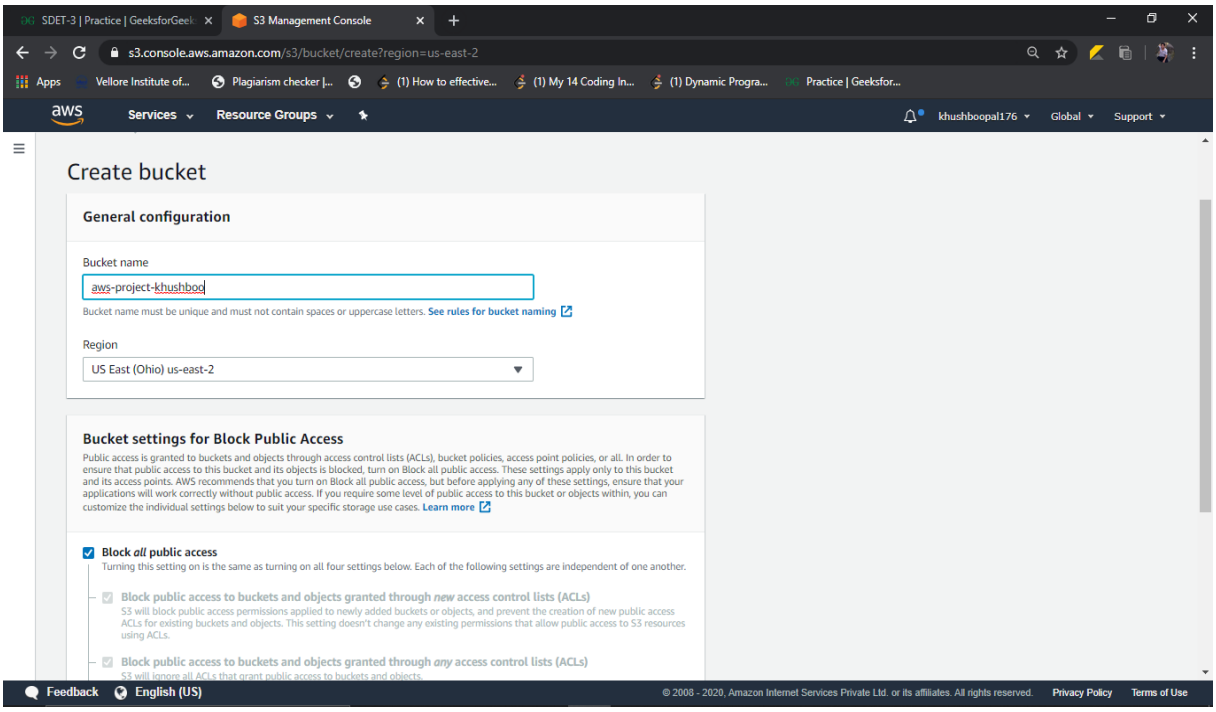


Converting amazon-cloud.pem to amazon-cloud.ppk

11.)


ec2-user@ip-172-31-46-138:~
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Wed Apr 1 18:06:16 2020 from 157.38.124.64
__| __|_)
_| (/ Amazon Linux 2 AMI
___|___|___|
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-46-138 ~]$

12.)


S3 Management Console
s3.console.aws.amazon.com/s3/bucket/create?region=us-east-2
Services
Resource Groups
khushboopal176
Global
Support
Create bucket
General configuration
Bucket name
aws-project-khushboo
Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming
Region
US East (Ohio) us-east-2
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.
Feedback
English (US)
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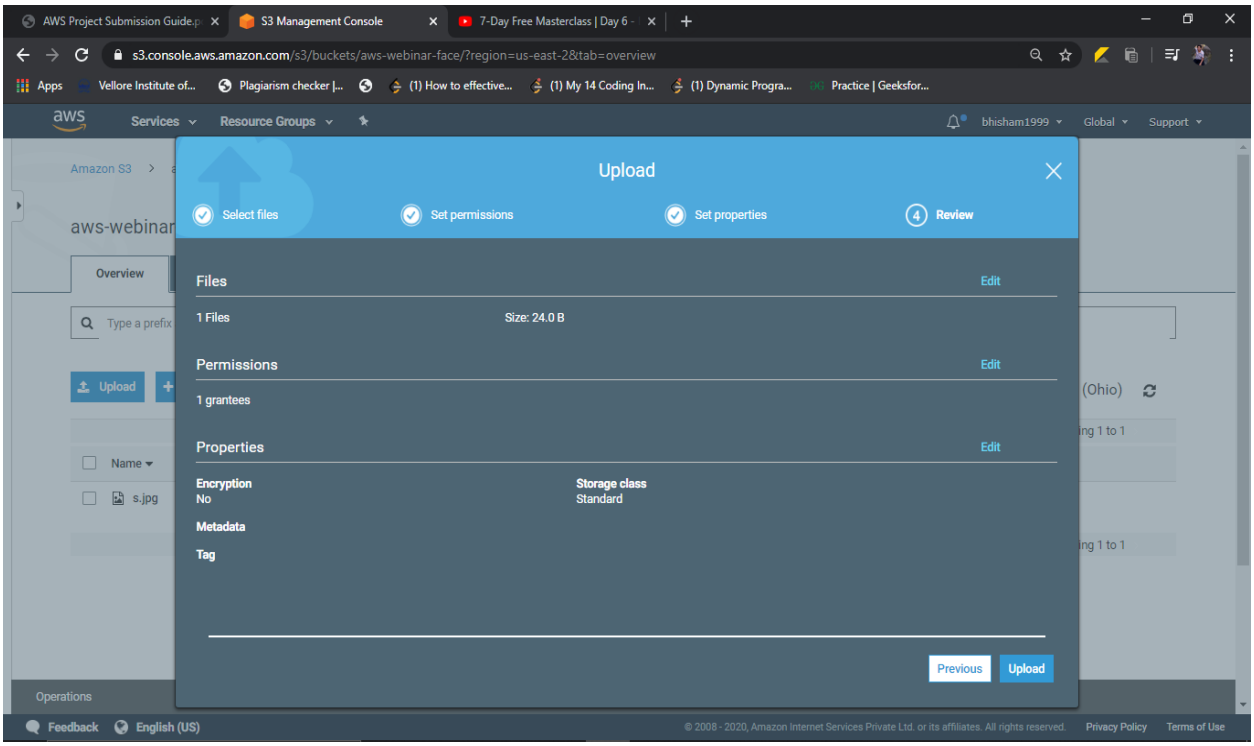
13.)


S3 Management Console
7-Day Free Masterclass | Day 6 -
s3.console.aws.amazon.com/s3/buckets/aws-webinar-face/?region=us-east-2&tab=overview
Services
Resource Groups
bhisham1999
Global
Support
Amazon S3
aws-webinar
Overview
Upload
Select files
Set permissions
Set properties
4 Review
Files
Edit
1 Files
Size: 24.0 B
Permissions
Edit
1 grantees
Properties
Edit
Encryption
No
Storage class
Standard
Metadata
Tag
Previous
Upload
Operations
Feedback
English (US)
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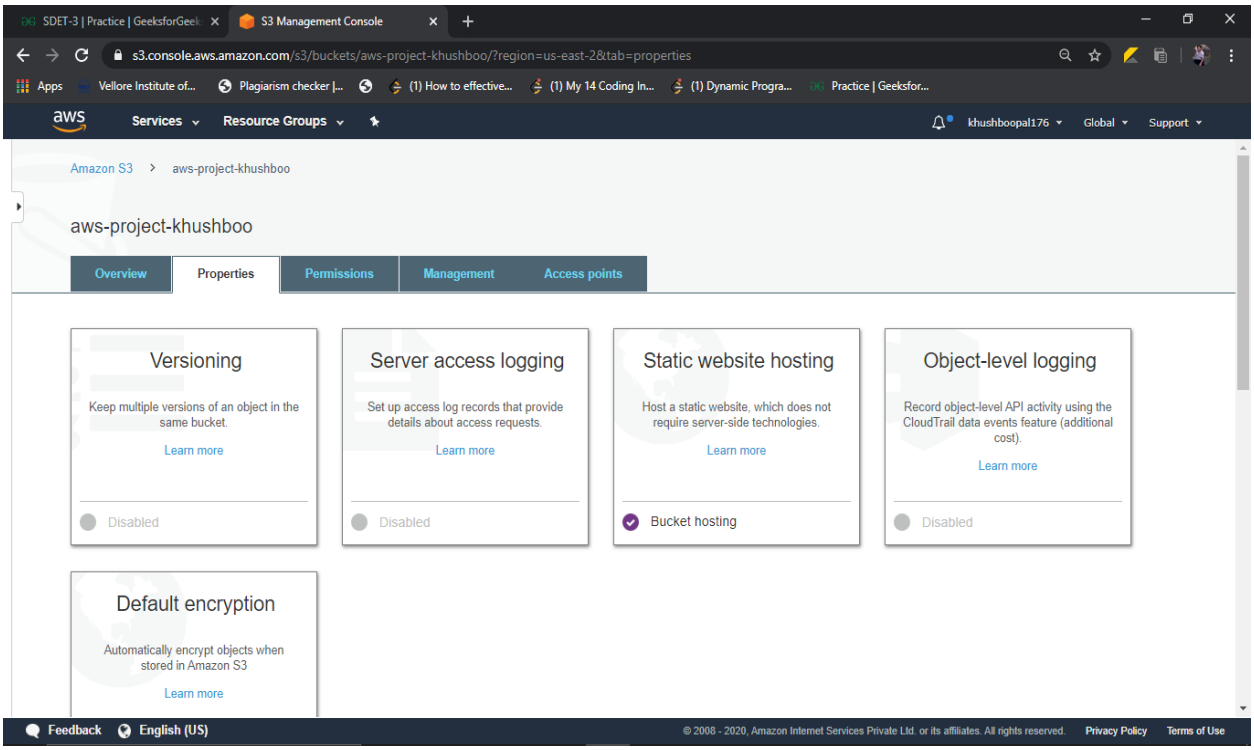
14.)


SDET-3 | Practice | GeeksforGeek
S3 Management Console
s3.console.aws.amazon.com/s3/buckets/aws-project-khushboo/?region=us-east-2&tab=properties
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
Global
Support
Amazon S3 > aws-project-khushboo
aws-project-khushboo
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
Record object-level API activity using the CloudTrail data events feature (additional cost).
Learn more
Disabled
Default encryption
Automatically encrypt objects when stored in Amazon S3
Learn more
Feedback
English (US)
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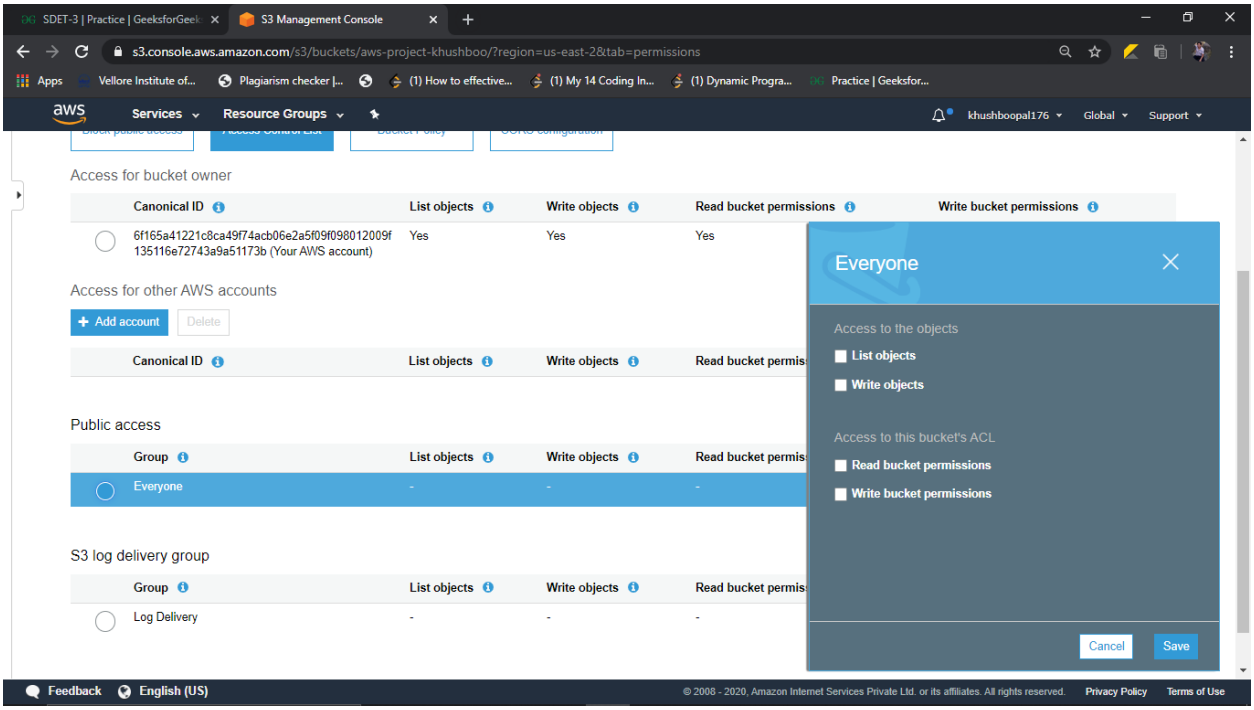
Terms of Use

15.)


SDET-3 | Practice | GeeksforGeek
S3 Management Console
s3.console.aws.amazon.com/s3/buckets/aws-project-khushboo/?region=us-east-2&tab=permissions
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
Global
Support
Access for bucket owner
Canonical ID
List objects
Write objects
Read bucket permissions
Write bucket permissions
6f165a41221c8ca49f74acb06e2a5f09f098012009f135116e72743a9a51173b (Your AWS account)
Yes
Yes
Yes
Access for other AWS accounts
+ Add account
Delete
Canonical ID
List objects
Write objects
Read bucket permis
Public access
Group
List objects
Write objects
Read bucket permis
Everyone
S3 log delivery group
Group
List objects
Write objects
Read bucket permis
Log Delivery
Everyone
Access to the objects
List objects
Write objects
Access to this bucket's ACL
Read bucket permissions
Write bucket permissions
Cancel
Save
Feedback
English (US)
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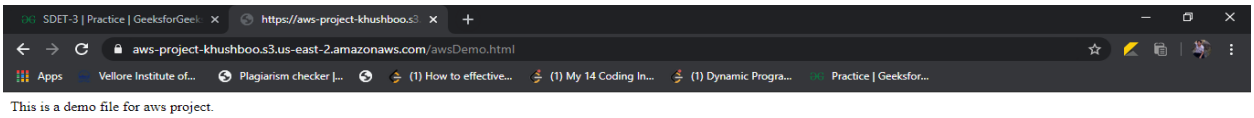
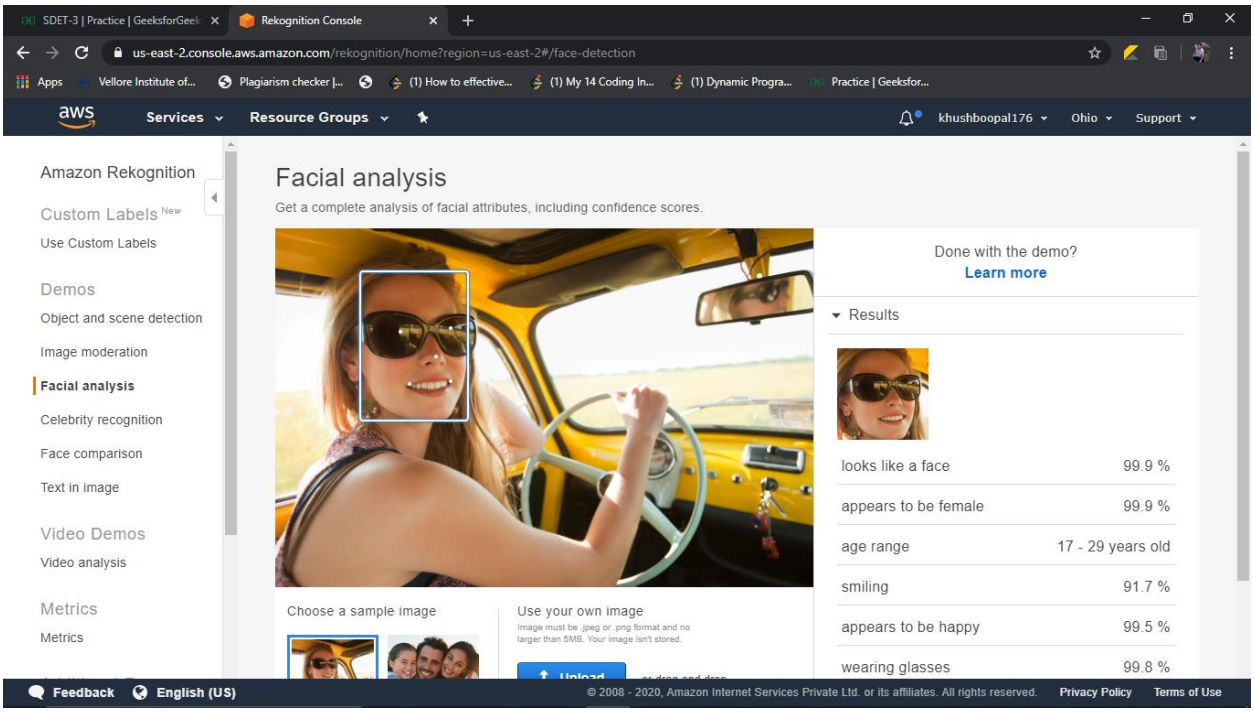
16.)


SDET-3 | Practice | GeeksforGeek
https://aws-project-khushboo.s3
aws-project-khushboo.s3.us-east-2.amazonaws.com/awsDemo.html
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
This is a demo file for aws project.

17.)


SDET-3 | Practice | GeeksforGeek
Rekognition Console
us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-detection
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
Metrics
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 99.9 %
age range 17 - 29 years old
smiling 91.7 %
appears to be happy 99.5 %
wearing glasses 99.8 %
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
Feedback
English (US)
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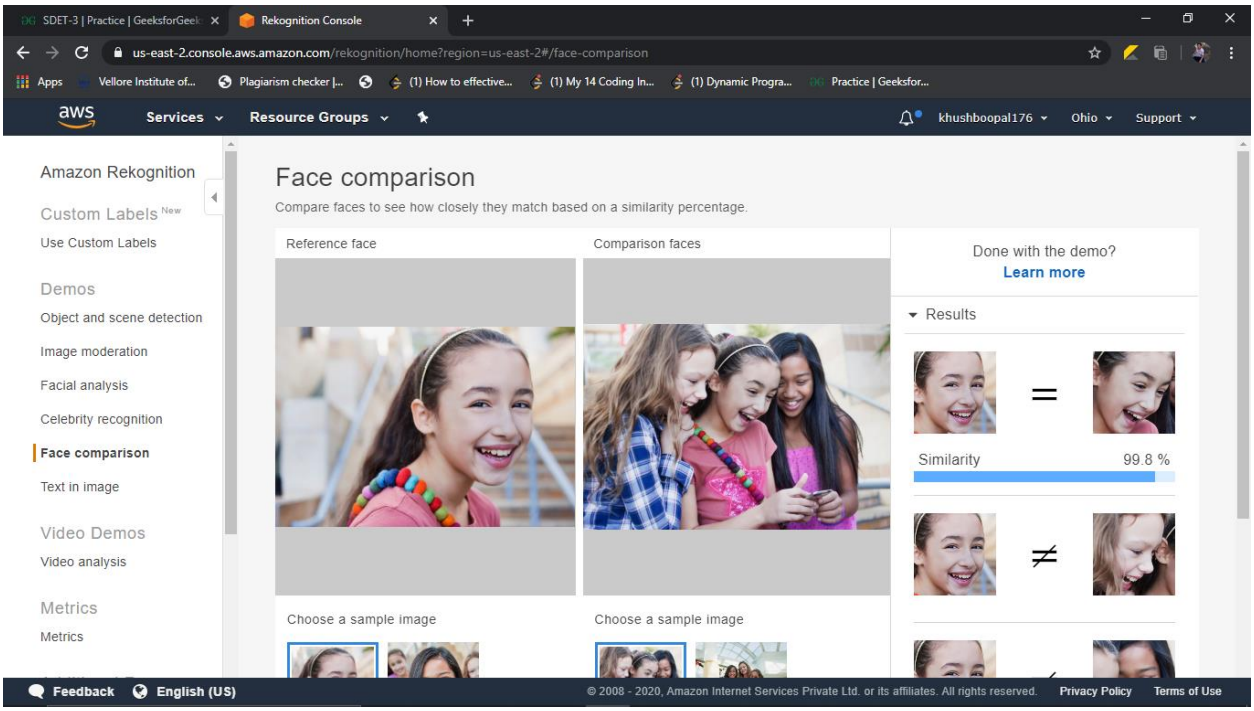
18.)


SDET-3 | Practice | GeeksforGeek
Rekognition Console
us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-comparison
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
Metrics
Face comparison
Compare faces to see how closely they match based on a similarity percentage.
Reference face
Comparison faces
Done with the demo?
Learn more
Results
Similarity
99.8 %
Choose a sample image
Choose a sample image
Feedback
English (US)
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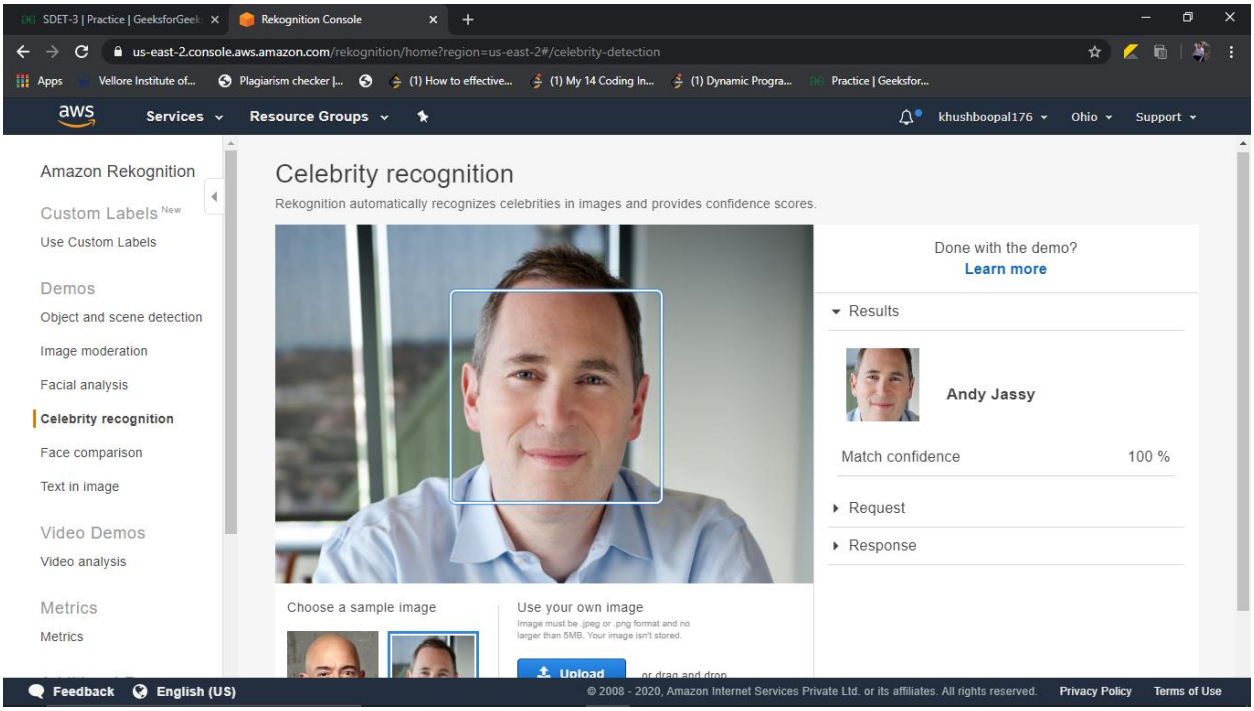
19.)


SDET-3 | Practice | GeeksforGeek
Rekognition Console
us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/celebrity-detection
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
Services
Resource Groups
khushboopal176
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
Metrics
Celebrity recognition
Rekognition automatically recognizes celebrities in images and provides confidence scores.
Done with the demo?
Learn more
Results
Andy Jassy
Match confidence
100 %
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
Feedback
English (US)
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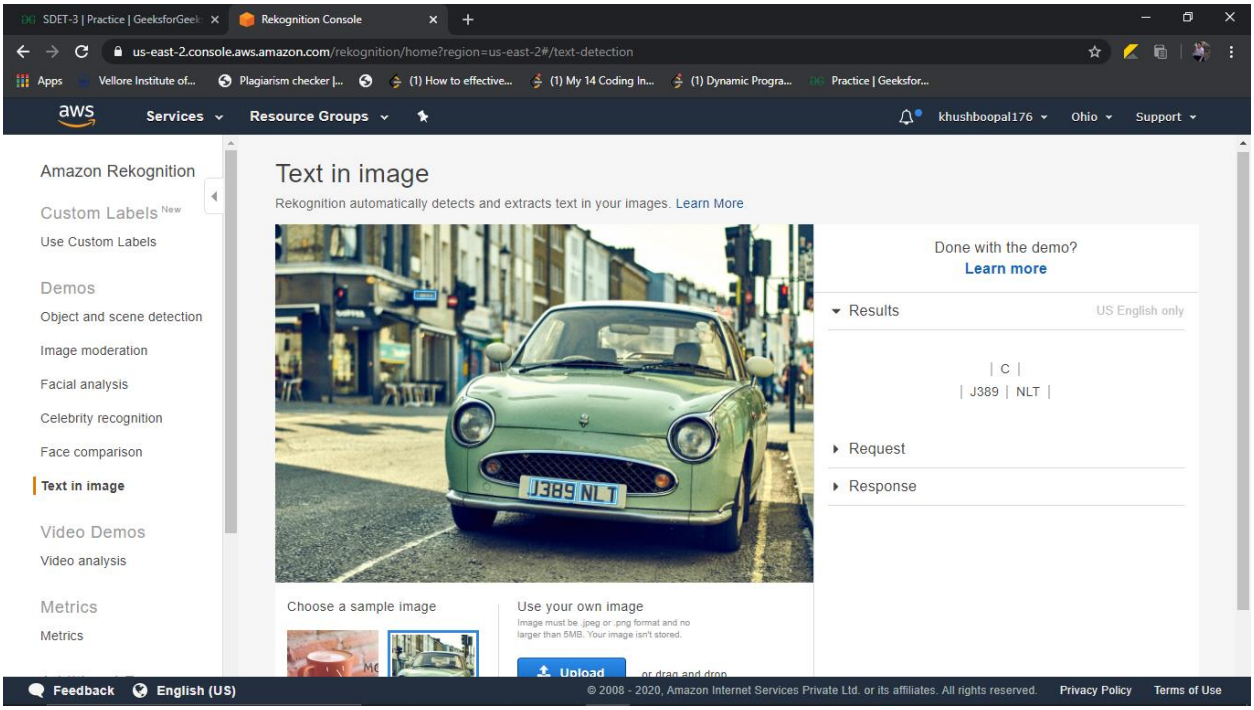
20.)


SDET-3 | Practice | GeeksforGeek
Rekognition Console
us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/text-detection
Apps
Vellore Institute of...
Plagiarism checker |...
(1) How to effective...
(1) My 14 Coding In...
(1) Dynamic Progra...
Practice | Geeksfor...
aws
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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
J389 NLT
Done with the demo?
Learn more
Results
US English only
| C |
| J389 | NLT |
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
Feedback
English (US)
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21.)


ec2-user@ip-172-31-18-152:~
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sun Apr 5 11:35:36 2020 from 157.39.13.126
__| __|_)
_| (/ Amazon Linux 2 AMI
___|___|___|
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-18-152 ~]$ 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 created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 8 installs, 0 updates, 0 removals
- Installing symfony/polyfill-mbstring (v1.15.0): Loading from cache
- Installing mtdowling/jmespath.php (2.5.0): Loading from cache
- Installing guzzlehttp/promises (v1.3.1): Loading from cache
- Installing ralouphie/getallheaders (3.0.3): Loading from cache
- Installing psr/http-message (1.0.1): Loading from cache
- Installing guzzlehttp/psr7 (1.6.1): Loading from cache
- Installing guzzlehttp/guzzle (6.5.2): Loading from cache
- Installing aws/aws-sdk-php (3.134.3): Loading from cache
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)
aws/aws-sdk-php suggests installing doctrine/cache (To use the DoctrineCacheAdapter)
aws/aws-sdk-php suggests installing aws/aws-php-sns-message-validator (To validate incoming SNS notifications)
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-172-31-18-152 ~]$

22.)

ec2-user@ip-172-31-46-138:~

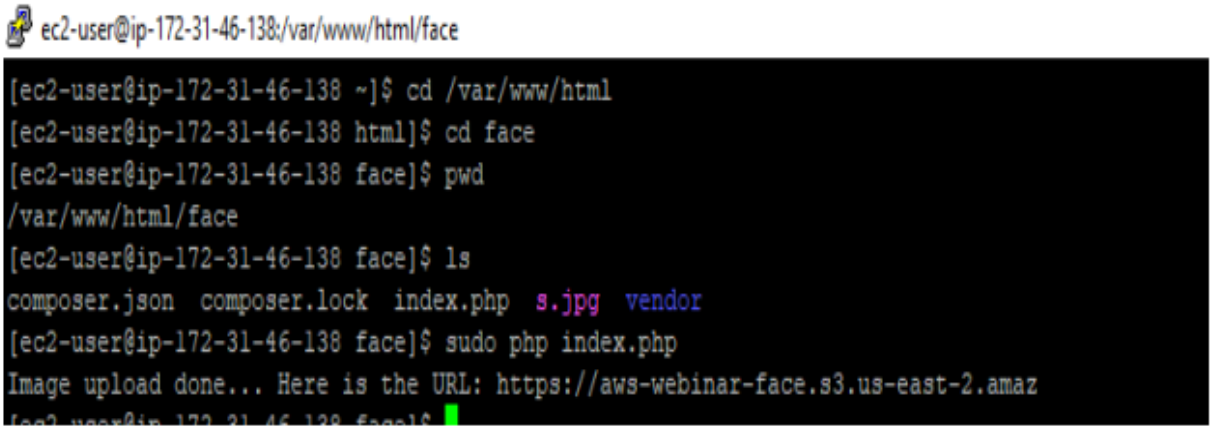
```
[ec2-user@ip-172-31-46-138 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                               | 2.4 kB     00:00
Resolving Dependencies
--> Running transaction check
---> Package php.x86_64 0:7.2.28-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package     Arch           Version                  Repository                 Size
================================================================================
Installing:
 php         x86_64         7.2.28-1.amzn2           amzn2extra-php7.2         2.9 M

Transaction Summary
================================================================================
Install  1 Package

Total download size: 2.9 M
Installed size: 9.1 M
Is this ok [y/d/N]: y
```

23.)

ec2-user@ip-172-31-18-152:/var/www/html/face

```
$bucket = 'aws-project-khushboo';
$keyname = 'sample.jpg';

$s3 = new S3Client([
        '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-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;
}
"index.php" 82L, 1869C                                                82,1          Bot
```

24.)



25.) Final Output: (Faces Recognized successfully)