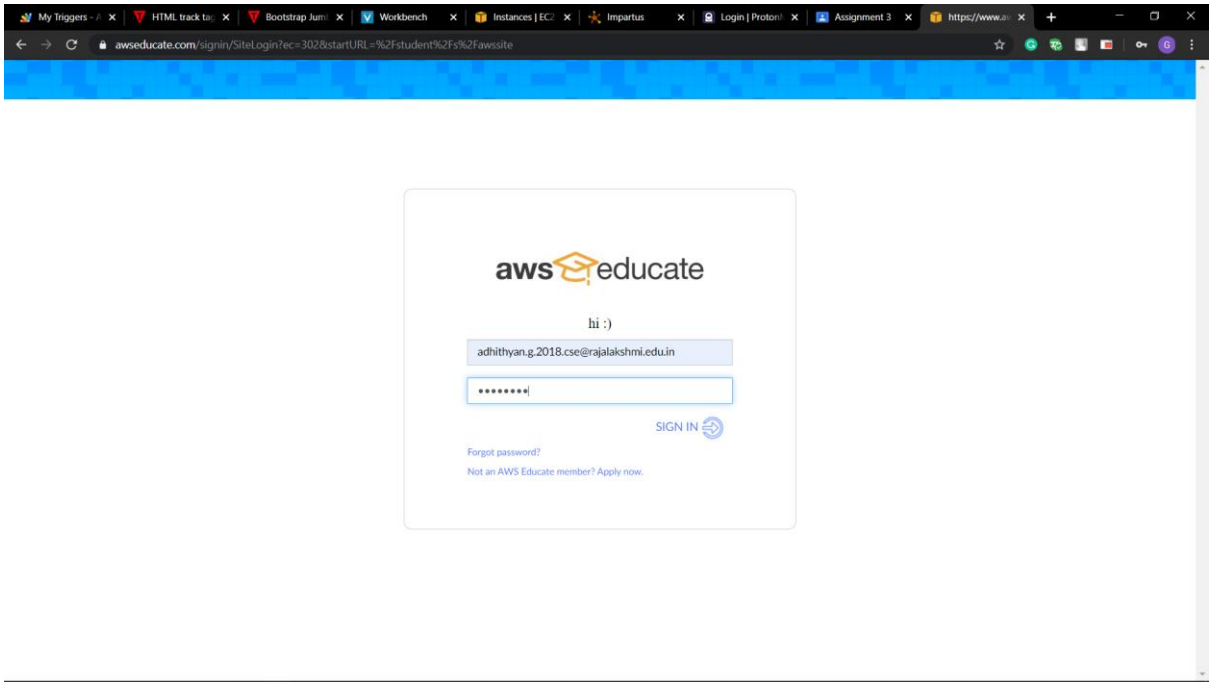
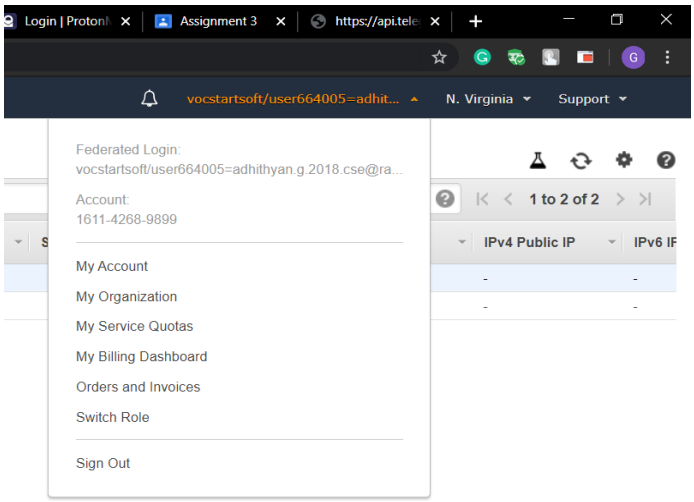
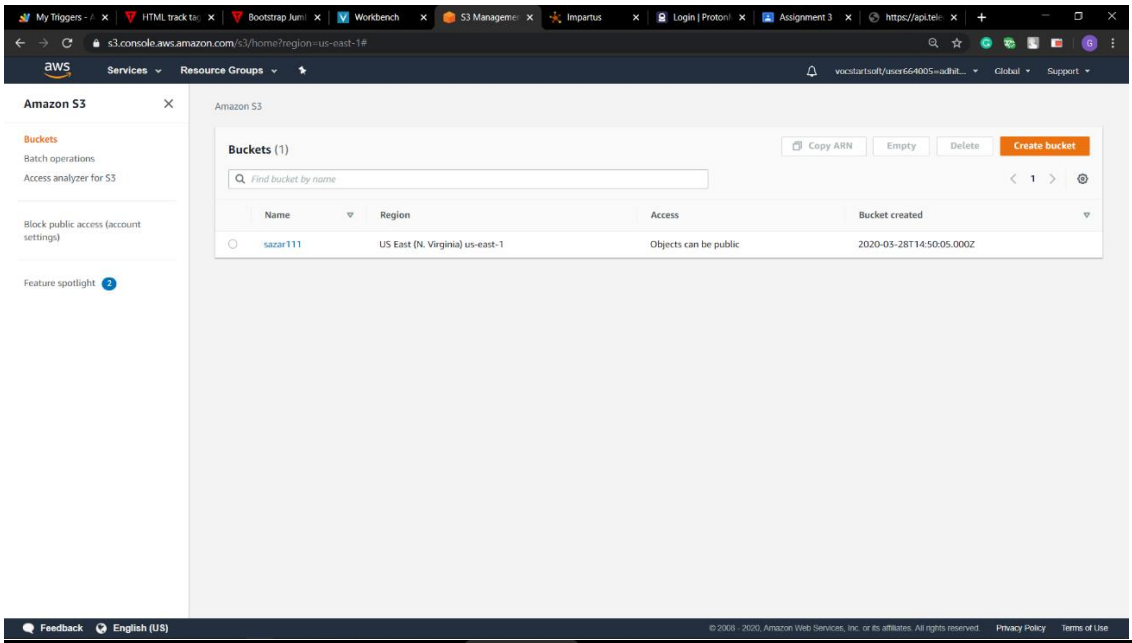
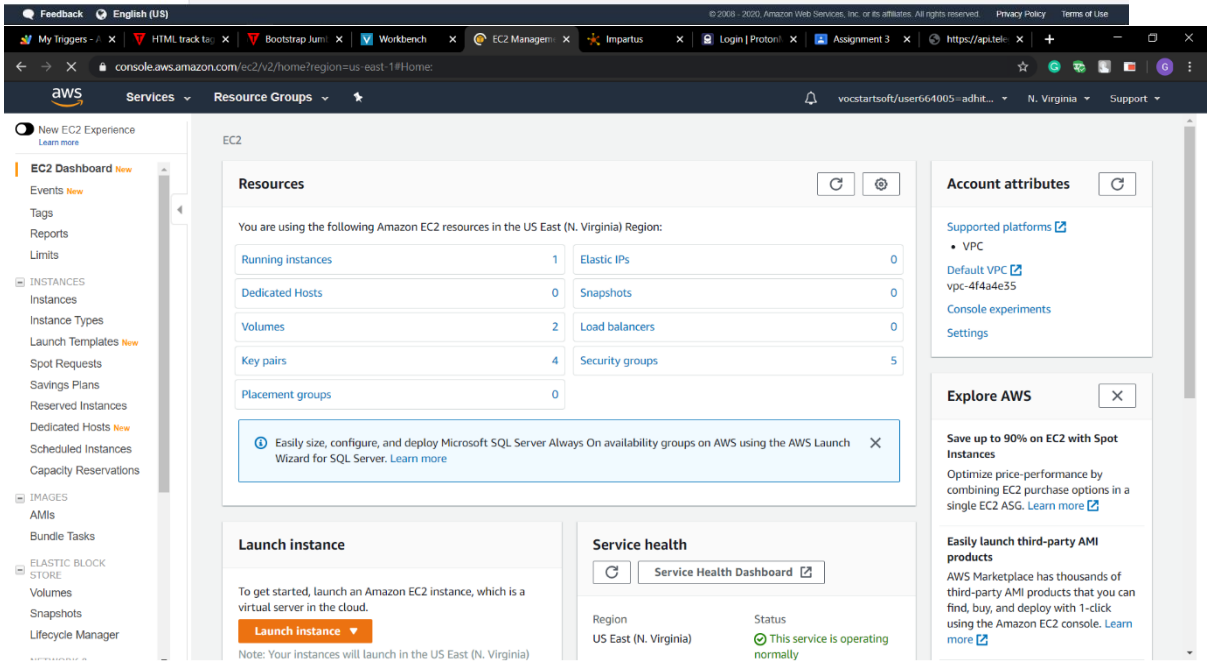
LOGIN/DASHBOARD:

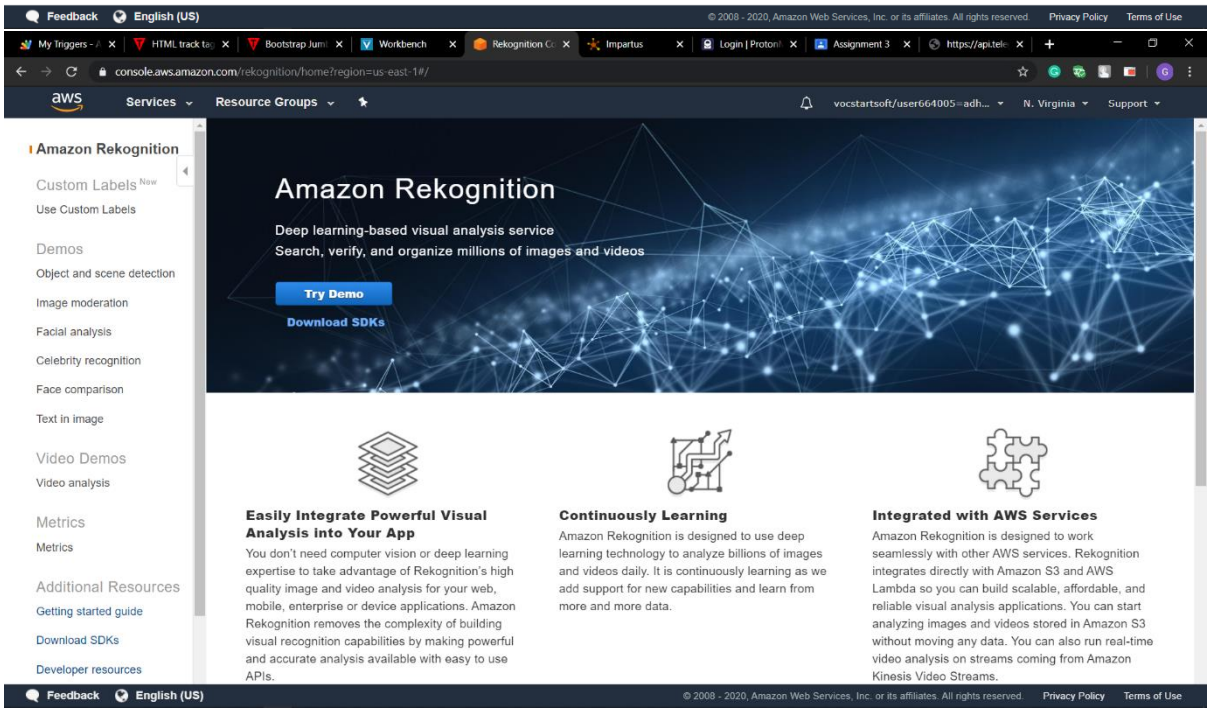


EMAIL ID : adhithyan.g.2018.cse@rajalakshmi.edu.in (EDU ACCOUNT)

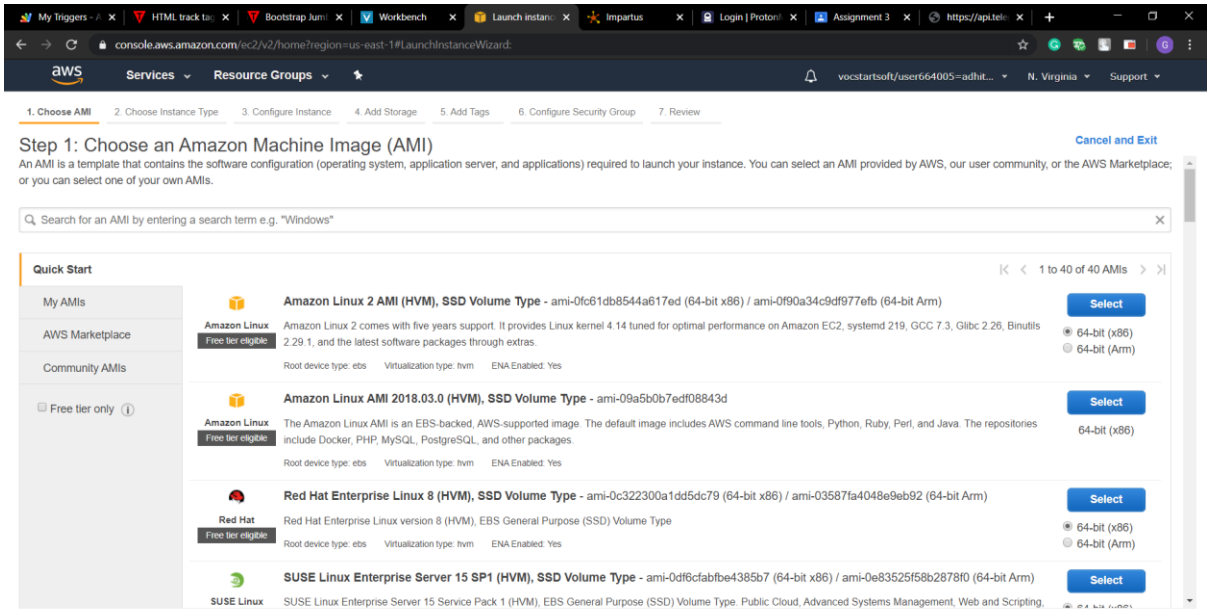


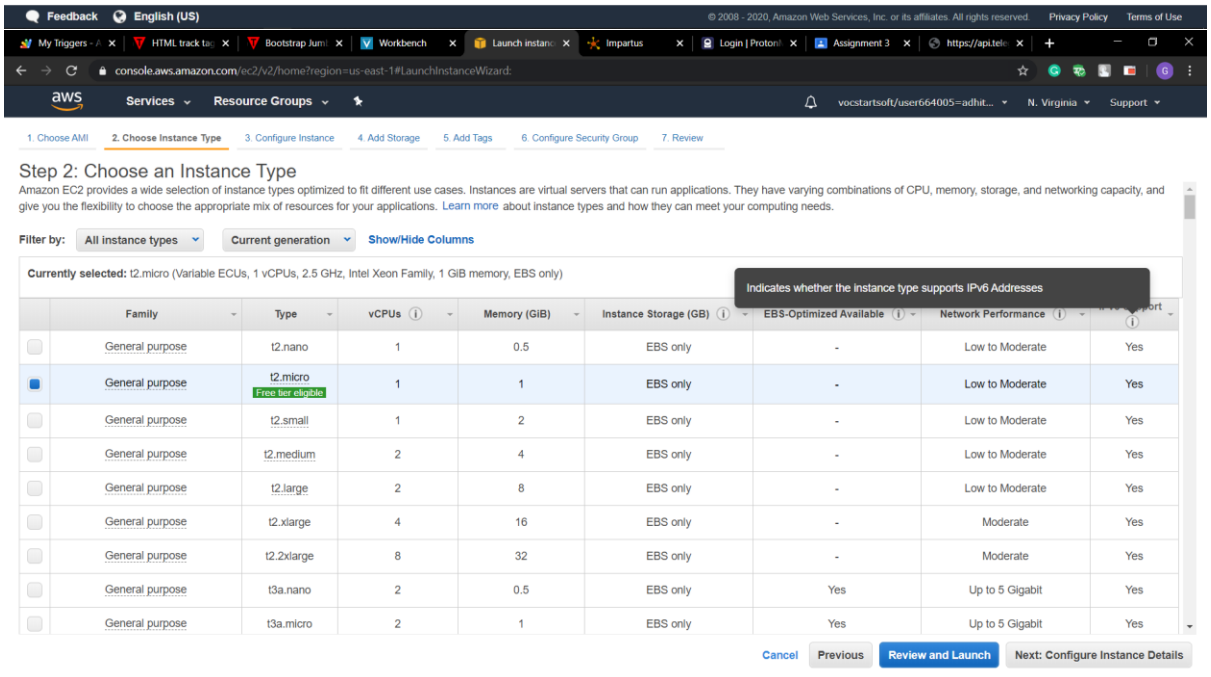

s3.console.aws.amazon.com/s3/home?region=us-east-1#
Services
Resource Groups
Amazon S3
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
Buckets (1)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
Name
Region
Access
Bucket created
sazar111
US East (N. Virginia) us-east-1
Objects can be public
2020-03-28T14:50:05.000Z


console.aws.amazon.com/ec2/v2/home?region=us-east-1#Home:
Services
Resource Groups
N. Virginia
Support
New EC2 Experience
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
EC2
Resources
You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:
Running instances 1
Elastic IPs 0
Dedicated Hosts 0
Snapshots 0
Volumes 2
Load balancers 0
Key pairs 4
Security groups 5
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-4f4a4e35
Console experiments
Settings
Explore AWS
Save up to 90% on EC2 with Spot Instances
Optimize price-performance by combining EC2 purchase options in a single EC2 ASG. Learn more
Easily launch third-party AMI products
AWS Marketplace has thousands of third-party AMI products that you can find, buy, and deploy with 1-click using the Amazon EC2 console. Learn more
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Note: Your instances will launch in the US East (N. Virginia)
Service health
Service Health Dashboard
Region
US East (N. Virginia)
Status
This service is operating normally


console.aws.amazon.com/rekognition/home?region=us-east-1#/
Services
Resource Groups
N. Virginia
Support
Amazon Rekognition
Custom Labels
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
Additional Resources
Getting started guide
Download SDKs
Developer resources
Amazon Rekognition
Deep learning-based visual analysis service
Search, verify, and organize millions of images and videos
Try Demo
Download SDKs
Easily Integrate Powerful Visual Analysis into Your App
You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building visual recognition capabilities by making powerful and accurate analysis available with easy to use APIs.
Continuously Learning
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.
Integrated with AWS Services
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3 without moving any data. You can also run real-time video analysis on streams coming from Amazon Kinesis Video Streams.

EC2:


console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user664005=adhit...
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 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 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 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)
Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0c322300a1dd5dc79 (64-bit x86) / ami-03587fa4048e9eb92 (64-bit Arm)
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type - ami-0df6cfabfbe4385b7 (64-bit x86) / ami-0e83525f58b2878f0 (64-bit Arm)
SUSE Linux Enterprise Server 15 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting,
Select


Feedback
English (US)
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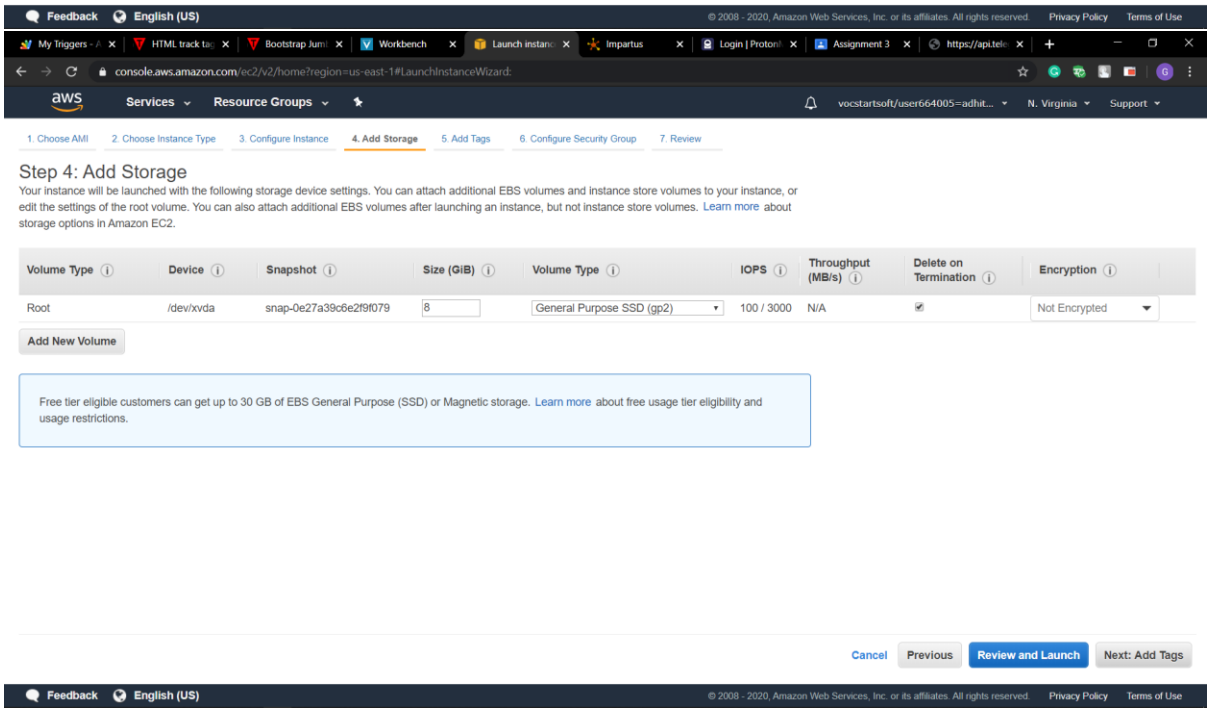
Terms of Use
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user664005=adhit...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose 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)
Indicates whether the instance type supports IPv6 Addresses
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
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
General purpose t2.xlarge 4 16 EBS only - Moderate Yes
General purpose t2.2xlarge 8 32 EBS only - Moderate Yes
General purpose t3a.nano 2 0.5 EBS only Yes Up to 5 Gigabit Yes
General purpose t3a.micro 2 1 EBS only Yes Up to 5 Gigabit Yes
Cancel
Previous
Review and Launch
Next: Configure Instance Details


Feedback
English (US)
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Terms of Use
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user664005=adhit...
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 Encrypted
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Review and Launch
Next: Add Tags
Feedback
English (US)
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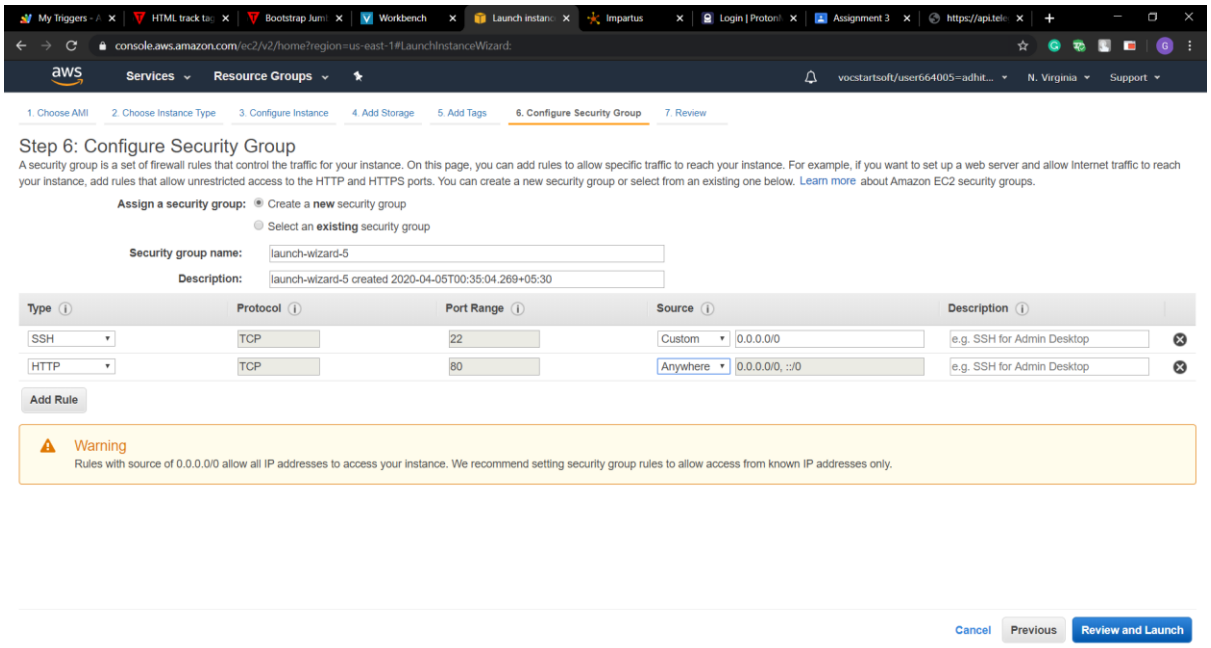
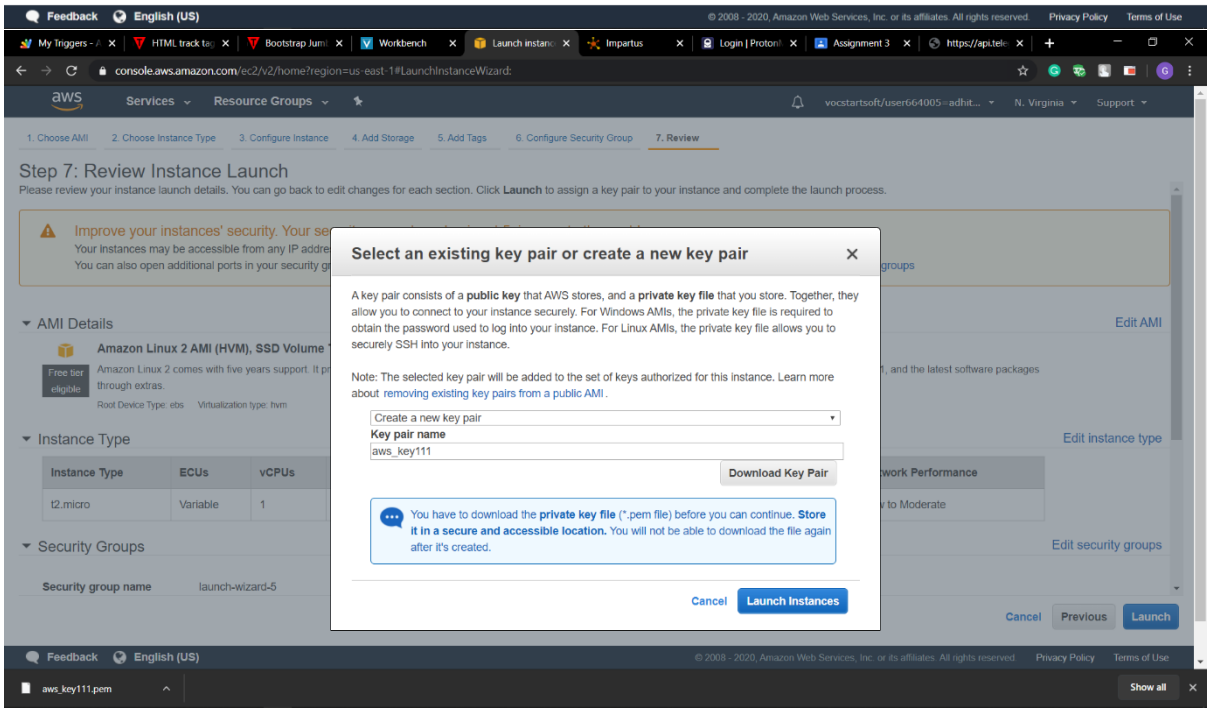

console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user664005=adhit...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security 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-5
Description: launch-wizard-5 created 2020-04-05T00:35:04.269+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
HTTP
TCP
80
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch


Feedback
English (US)
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Privacy Policy
Terms of Use
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user664005=adhit...
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 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your se
Your instances may be accessible from any IP addre
You can also open additional ports in your security gr
groups
AMI Details
Edit AMI
Amazon Linux 2 AMI (HVM), SSD Volume
Free tier eligible
Amazon Linux 2 comes with five years support. It pr
through extras.
Root Device Type: ebs
Virtualization type: hvm
f, and the latest software packages
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
work Performance
t2.micro
Variable
1
to Moderate
Security Groups
Edit security groups
Security group name
launch-wizard-5
Cancel
Previous
Launch
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
aws_key111
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
Feedback
English (US)
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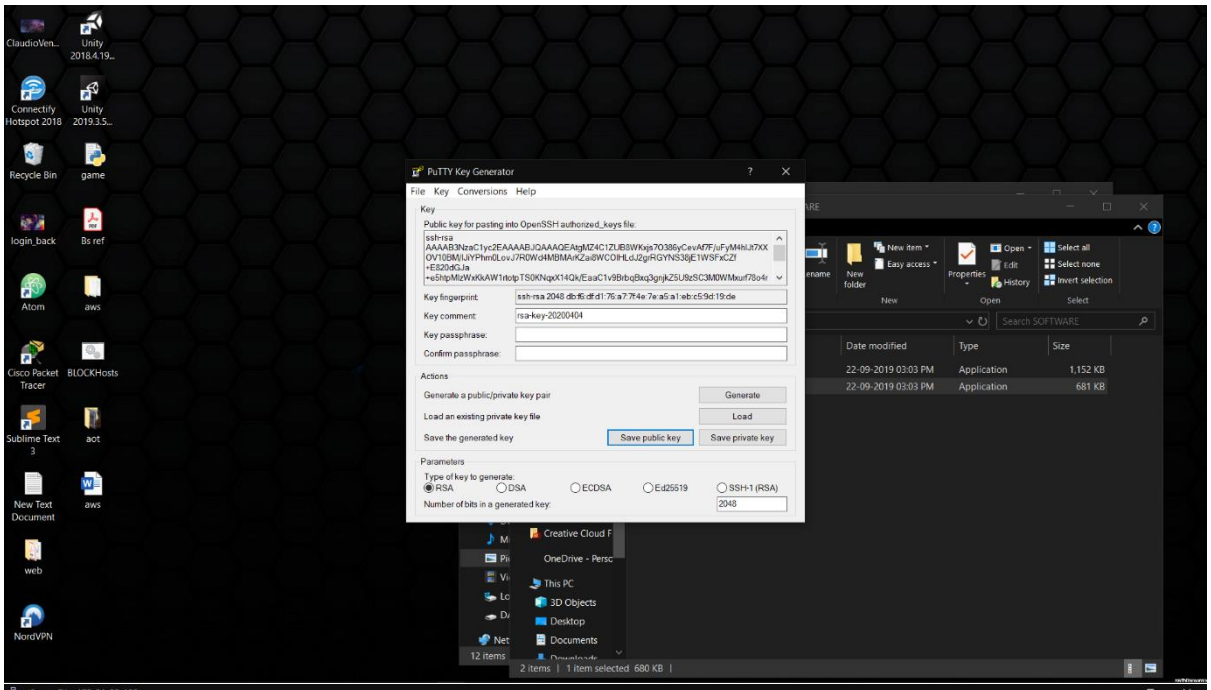
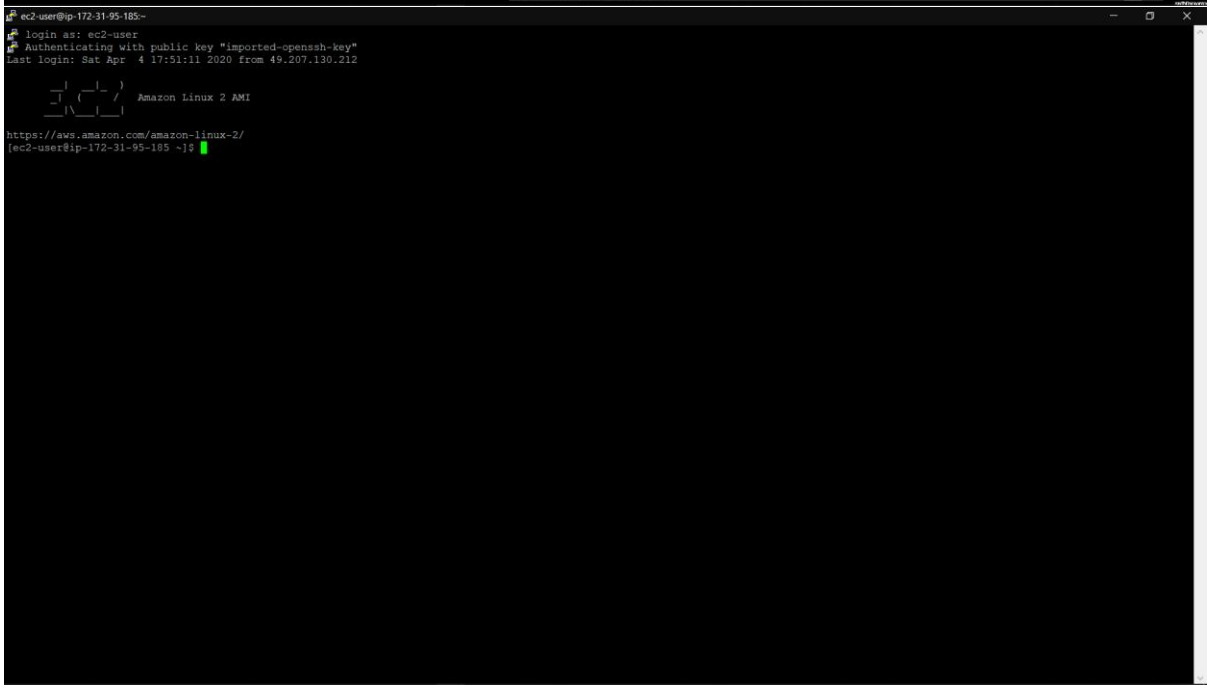
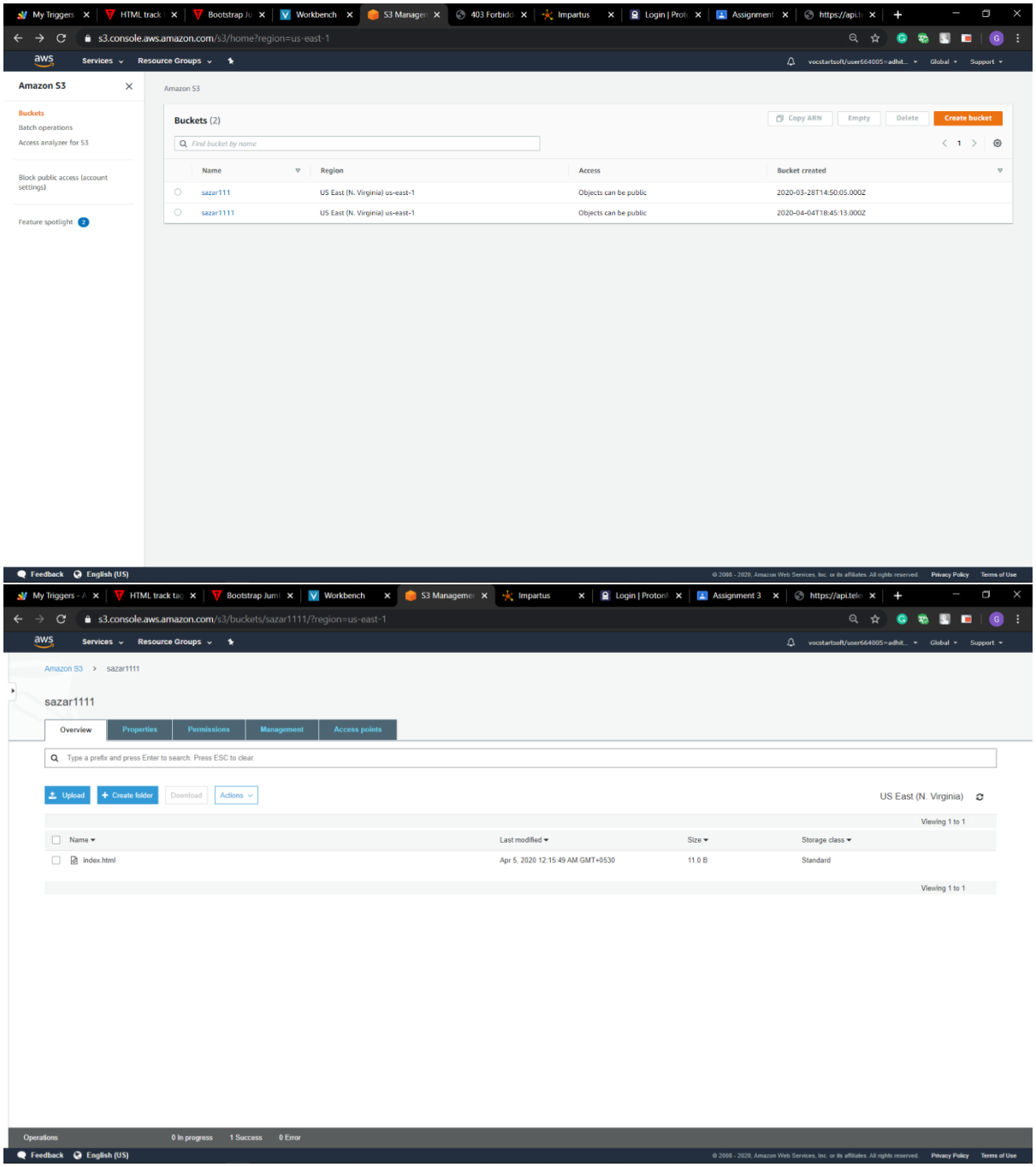
Privacy Policy
Terms of Use
aws_key111.pem
Show all

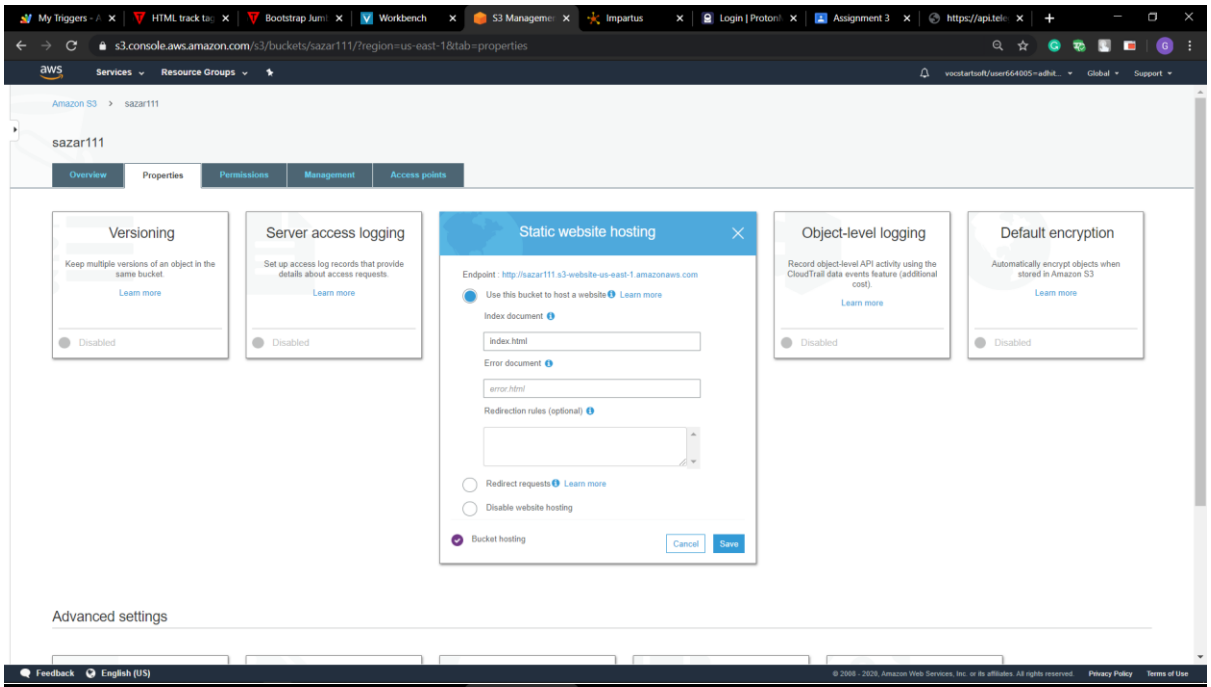

PuTTY Key Generator
File Key Conversions Help
Key
Public key for pasting into OpenSSH authorized_keys file:
ssh-rsa
Key fingerprint:
ssh-rsa 2048 db:f6:df:d1:76:a7:7f:4e:7e:a5:a1:eb:c5:9d:19:de
Key comment:
rsa-key-20200404
Key passphrase:
Confirm passphrase:
Actions
Generate a public/private key pair
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
Date modified
Type
Size
22-09-2019 03:03 PM
Application
1,152 KB
22-09-2019 03:03 PM
Application
681 KB
2 items | 1 item selected 680 KB

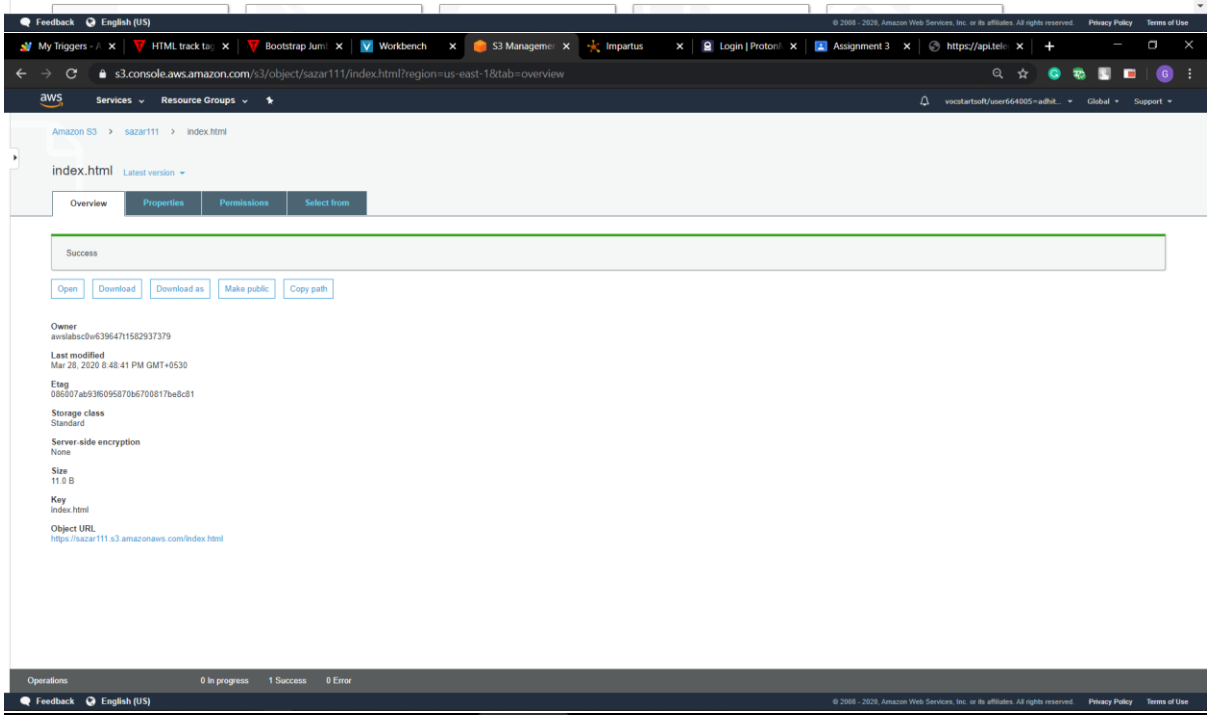

ec2-user@ip-172-31-95-185:~
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sat Apr 4 17:51:11 2020 from 49.207.130.212
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-95-185 ~]$

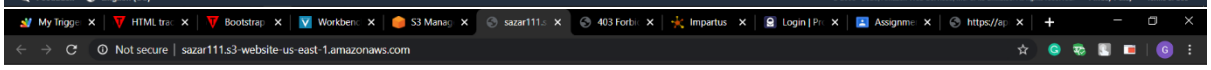
S3:


s3.console.aws.amazon.com/s3/home?region=us-east-1
Amazon S3
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
Buckets (2)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
Name
Region
Access
Bucket created
sazar111
US East (N. Virginia) us-east-1
Objects can be public
2020-03-28T14:50:05.000Z
sazar1111
US East (N. Virginia) us-east-1
Objects can be public
2020-04-04T18:45:13.000Z

s3.console.aws.amazon.com/s3/buckets/sazar1111/?region=us-east-1
Amazon S3 > sazar1111
sazar1111
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)
Viewing 1 to 1
Name
Last modified
Size
Storage class
index.html
Apr 5, 2020 12:15:49 AM GMT+0530
11.0 B
Standard
Viewing 1 to 1
Operations
0 In progress
1 Success
0 Error

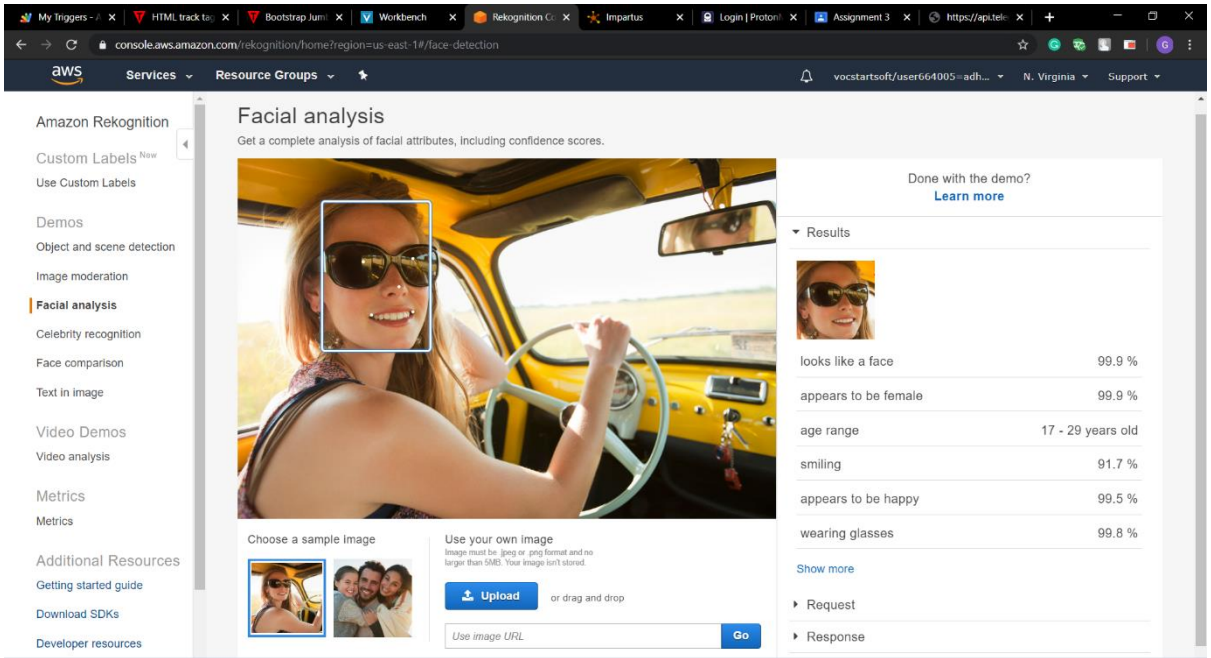

s3.console.aws.amazon.com/s3/buckets/sazar111/?region=us-east-1&tab=properties
Amazon S3 > sazar111
sazar111
Overview
Properties
Permissions
Management
Access points
Versioning
Keep multiple versions of an object in the same bucket.
Learn more
Disabled
Server access logging
Set up access log records that provide details about access requests.
Learn more
Disabled
Static website hosting
Endpoint : http://sazar111.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
Bucket hosting
Cancel
Save
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
Disabled
Advanced settings

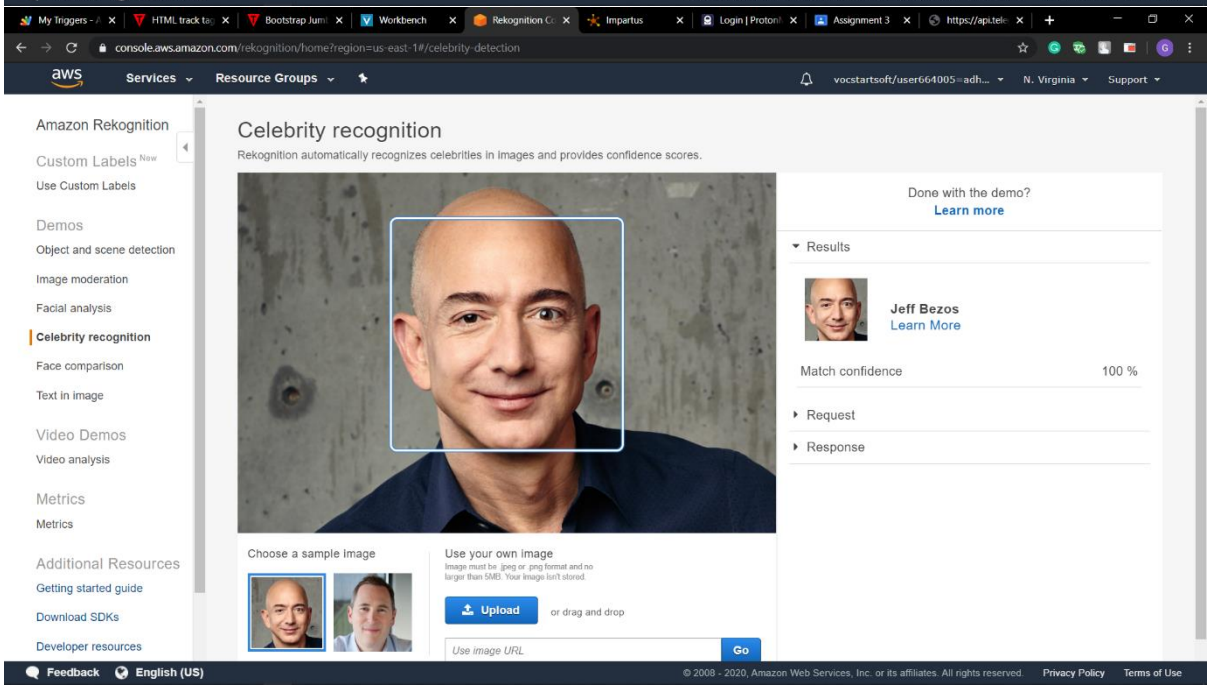

s3.console.aws.amazon.com/s3/object/sazar111/index.html?region=us-east-1&tab=overview
Amazon S3 > sazar111 > index.html
index.html
Latest version
Overview
Properties
Permissions
Select from
Success
Open
Download
Download as
Make public
Copy path
Owner
awslabsc0w639647t1582937379
Last modified
Mar 28, 2020 8:48:41 PM GMT+0530
Etag
086007ab93f6095870b6700817be8c81
Storage class
Standard
Server-side encryption
None
Size
11.0 B
Key
index.html
Object URL
https://sazar111.s3.amazonaws.com/index.html
Operations
0 In progress
1 Success
0 Error

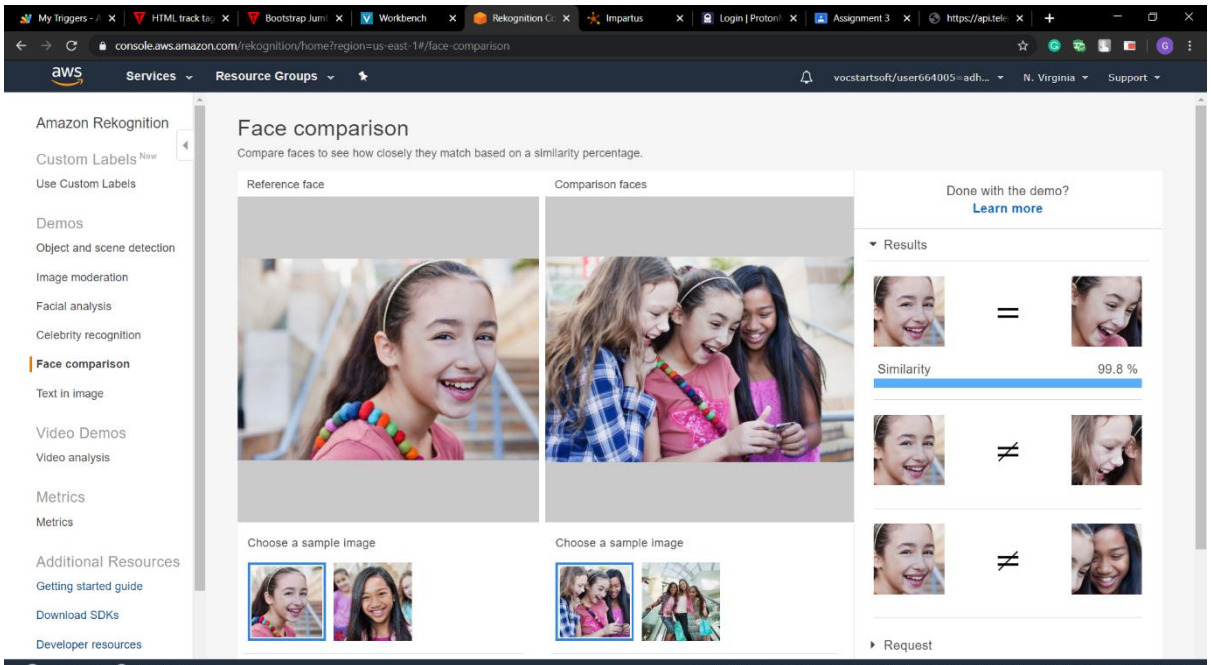

Not secure | sazar111.s3-website-us-east-1.amazonaws.com

IT WORKS!!!

Recognition:






console.aws.amazon.com/rekognition/home?region=us-east-1#/face-comparison
Services
Resource Groups
N. Virginia
Support
Amazon Rekognition
Custom Labels Now
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
Additional Resources
Getting started guide
Download SDKs
Developer resources
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
Request
Feedback
English (US)
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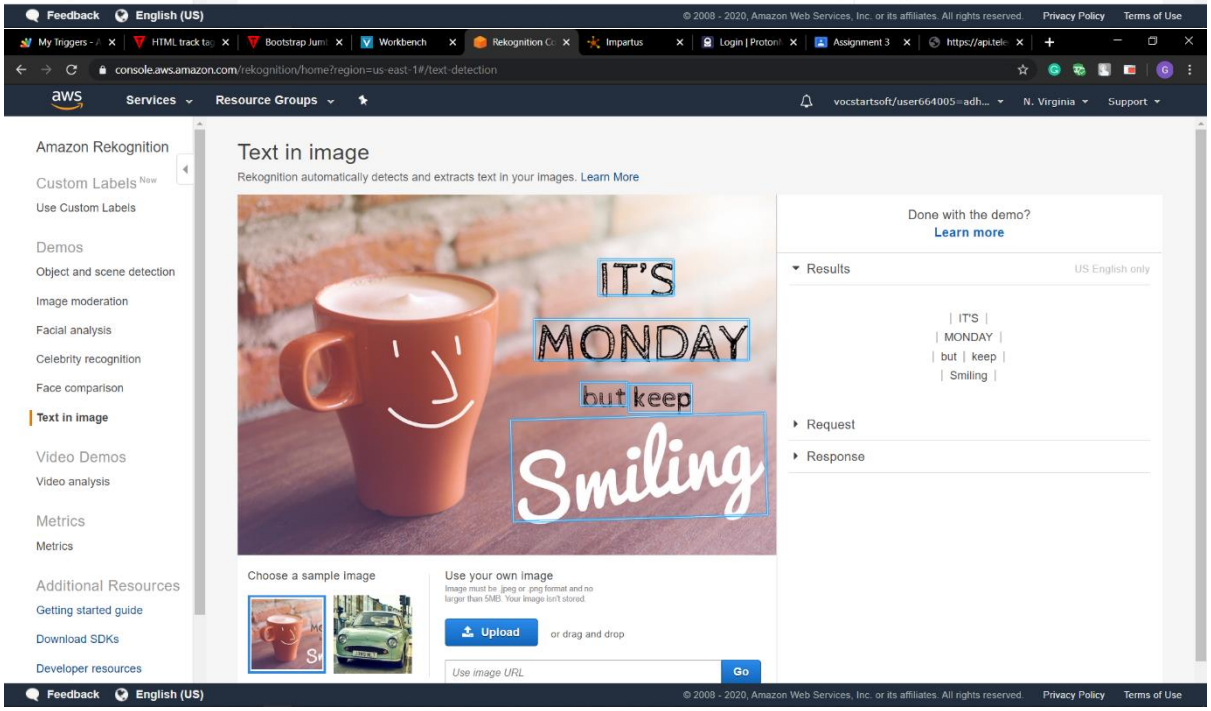
console.aws.amazon.com/rekognition/home?region=us-east-1#/text-detection
Services
Resource Groups
N. Virginia
Support
Amazon Rekognition
Custom Labels Now
Use Custom Labels
Demos
Object and scene detection
Image moderation
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Metrics
Additional Resources
Getting started guide
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Developer resources
Text in image
Rekognition automatically detects and extracts text in your images. Learn More
IT'S
MONDAY
but keep
Smiling
Done with the demo?
Learn more
Results
US English only
IT'S
MONDAY
but keep
Smiling
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
Use image URL
Go
Feedback
English (US)
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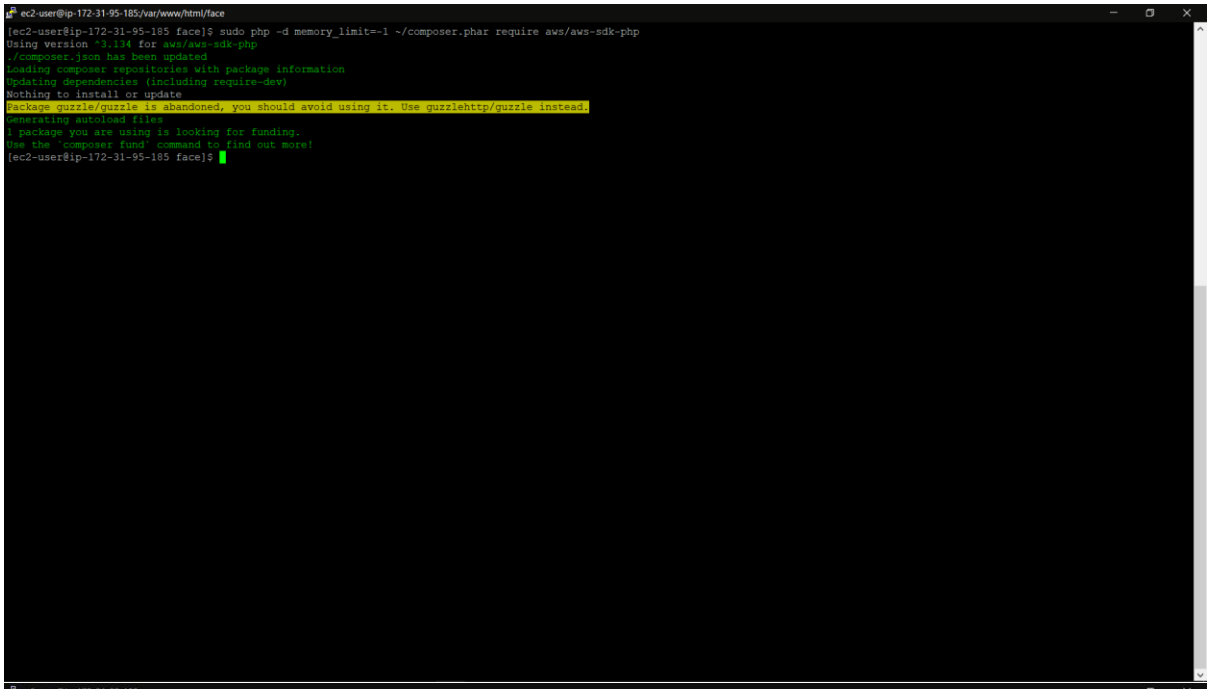
EC2 AND S3:


ec2-user@ip-172-31-95-185:/var/www/html/face
[ec2-user@ip-172-31-95-185 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.134 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
1 package you are using is looking for funding.
Use the 'composer fund' command to find out more!
[ec2-user@ip-172-31-95-185 face]$

ec2-user@ip-172-31-95-185:~
[ec2-user@ip-172-31-95-185 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00:00
Package php-7.2.28-1.amzn2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-95-185 ~]$ 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-172-31-95-185 ~]$

ec2-user@ip-172-31-95-185:/var/www/html/face
<?php
require __DIR__ . '/vendor/autoload.php';
use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;
$bucket = 'sazzrill';
$keyname ='sample.jpg';
$s3 = S3Client::factory([
'region' => 'us-east-1',
'version' => '2006-03-01',
'signature' => 'v4'
]);
try {
$result = $s3->putObject([
'Bucket' => $bucket,
'Key' => $keyname,
'SourceFile' => __DIR__ . "/$keyname",
'ACL' => 'public-read-write'
]);
$imageUrl = $result['ObjectURL'];
if($imageUrl) {
echo "Image upload done... Here is the URL: " . $imageUrl;
-- INSERT --
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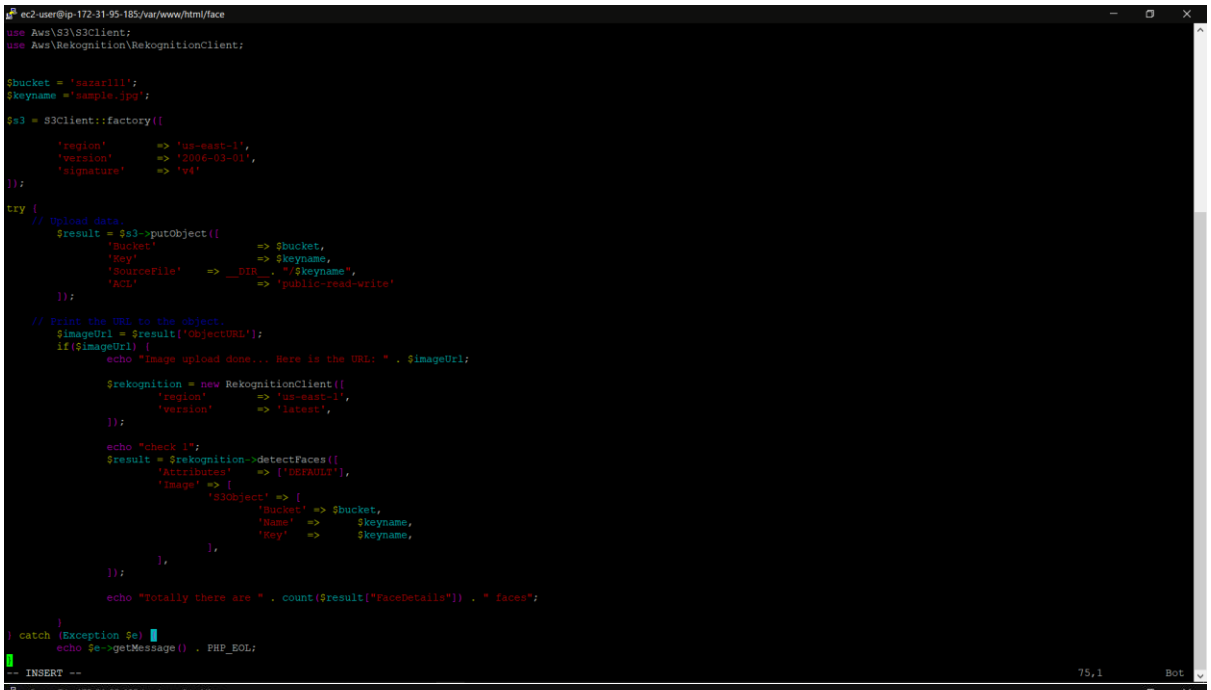

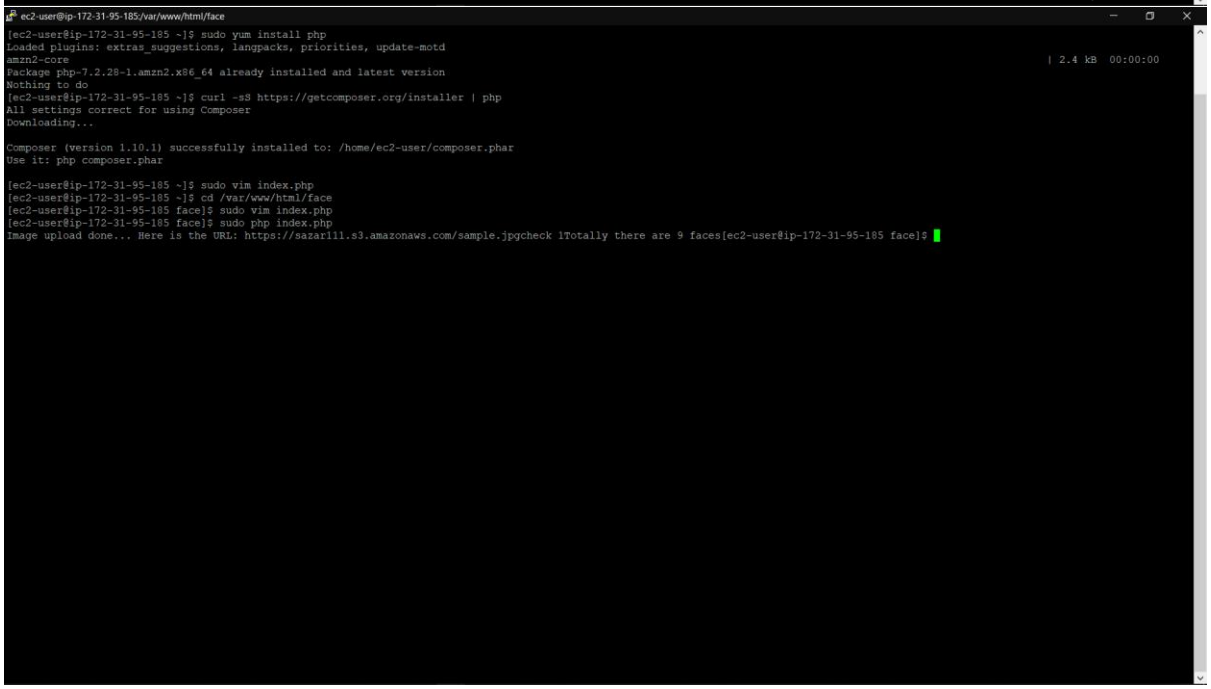
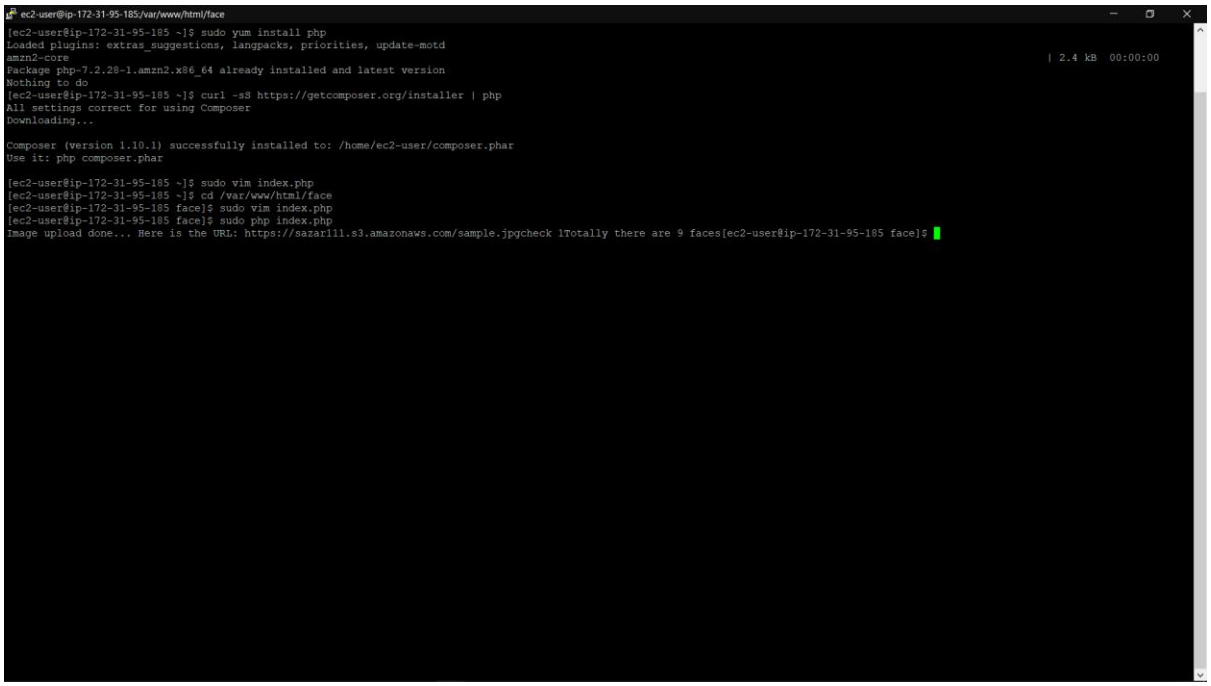
EC2 and REKOGNITION: