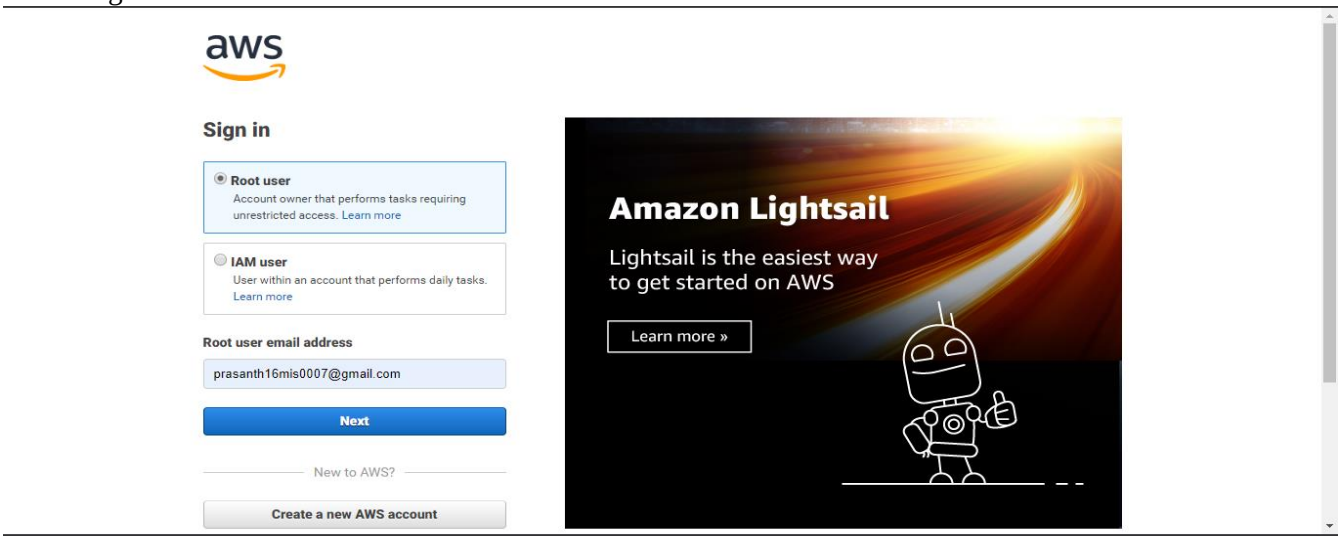
Name:R Prasanth

University: Vellore Institude of Technology, Vellore.

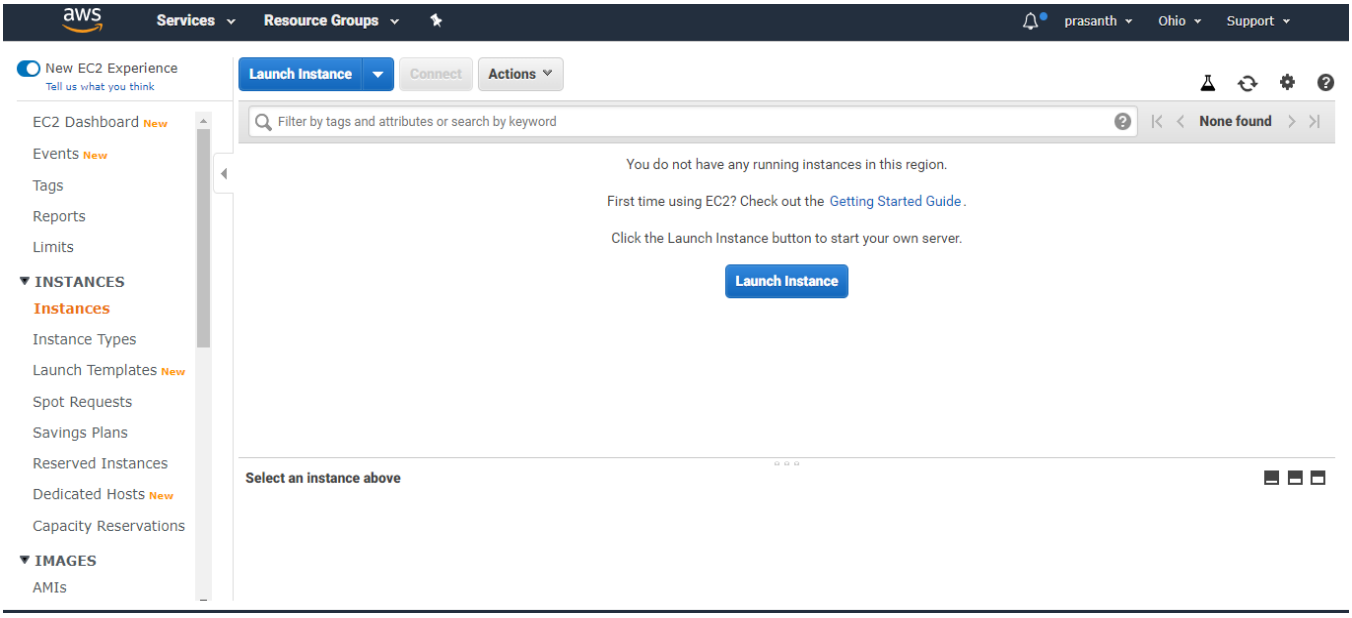
Course: AWS by ETHNUS

Screenshots needed for Dashboards:

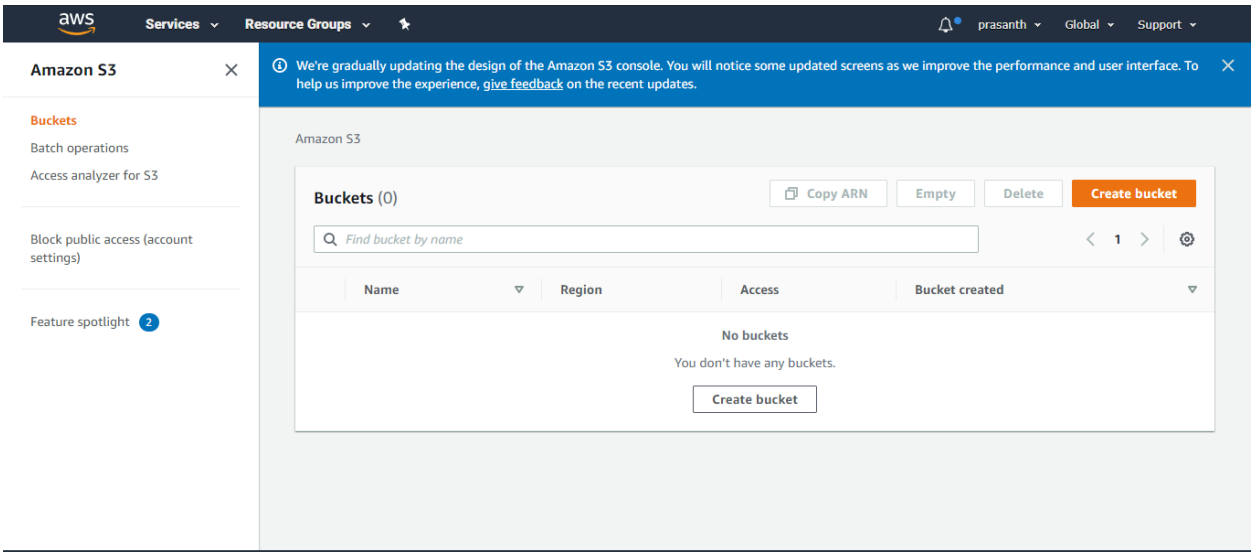
AWS Login screen with username



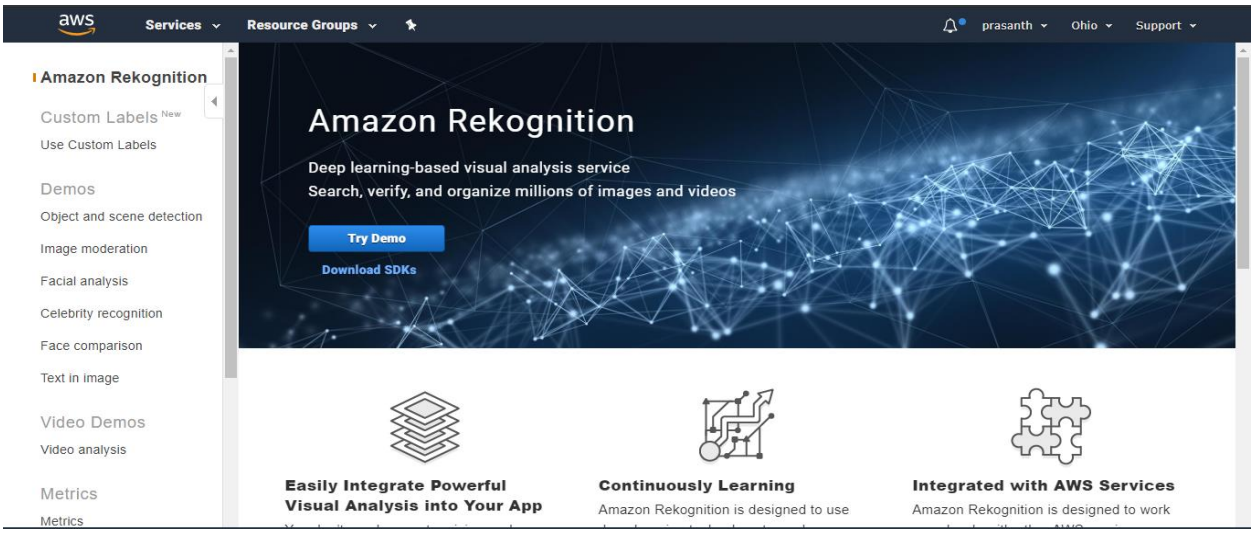
EC2 Dashboard



S3 Dashboard

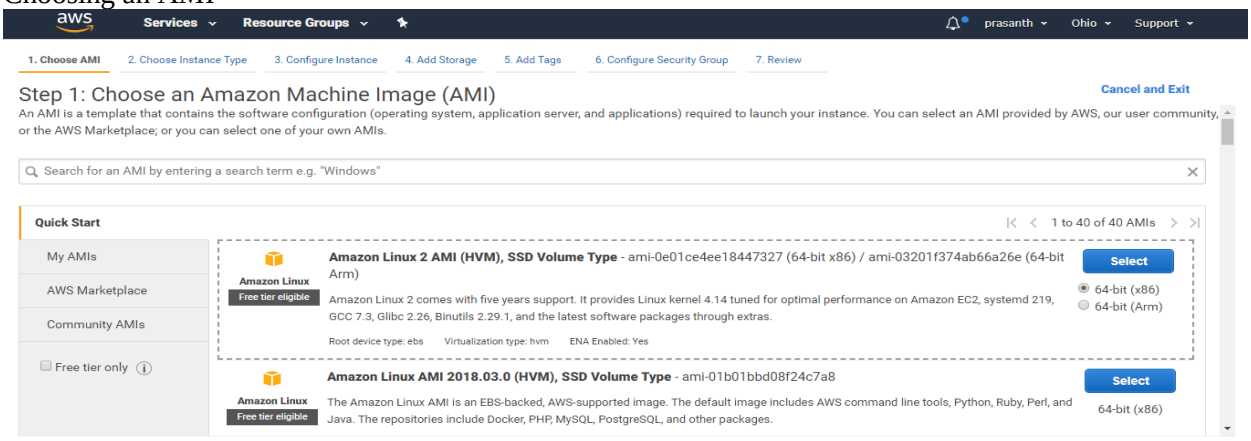


Rekognition Dashboard:

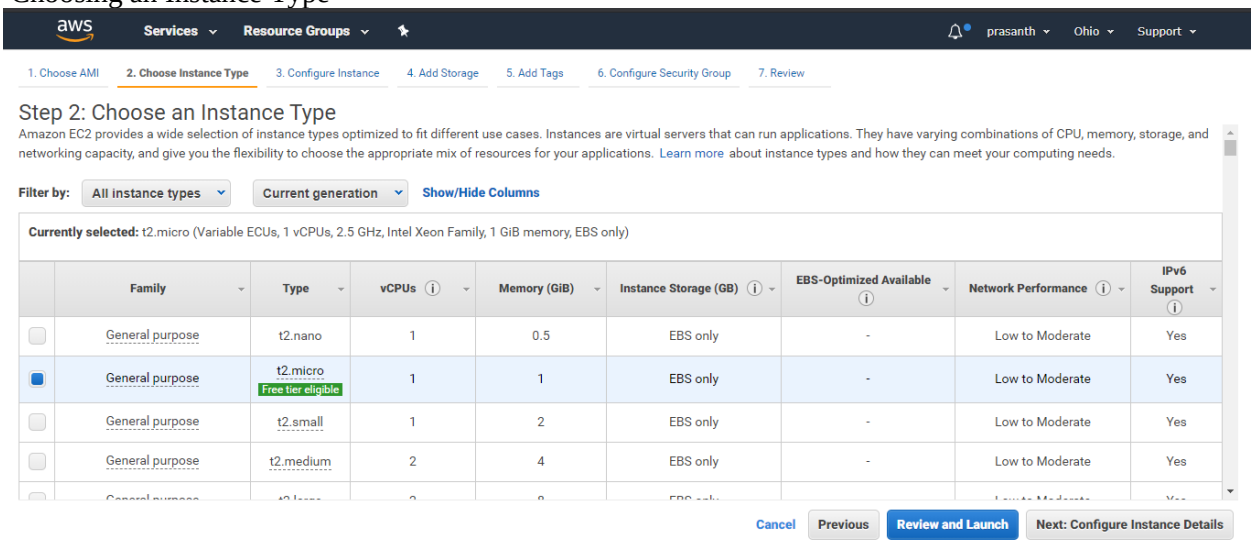


Screenshots needed for EC2

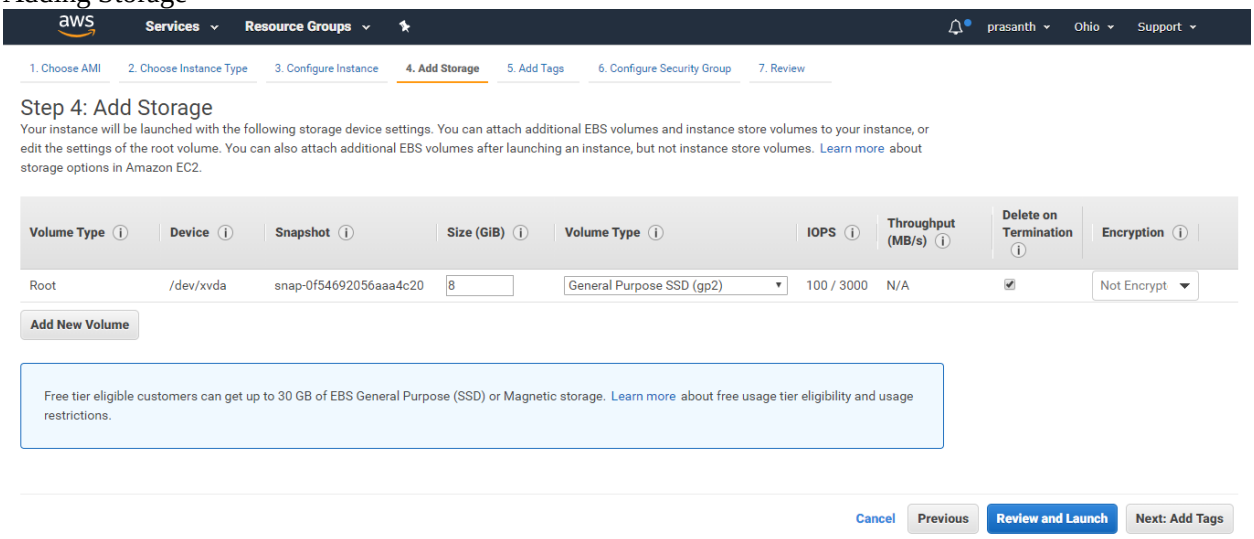
Choosing an AMI



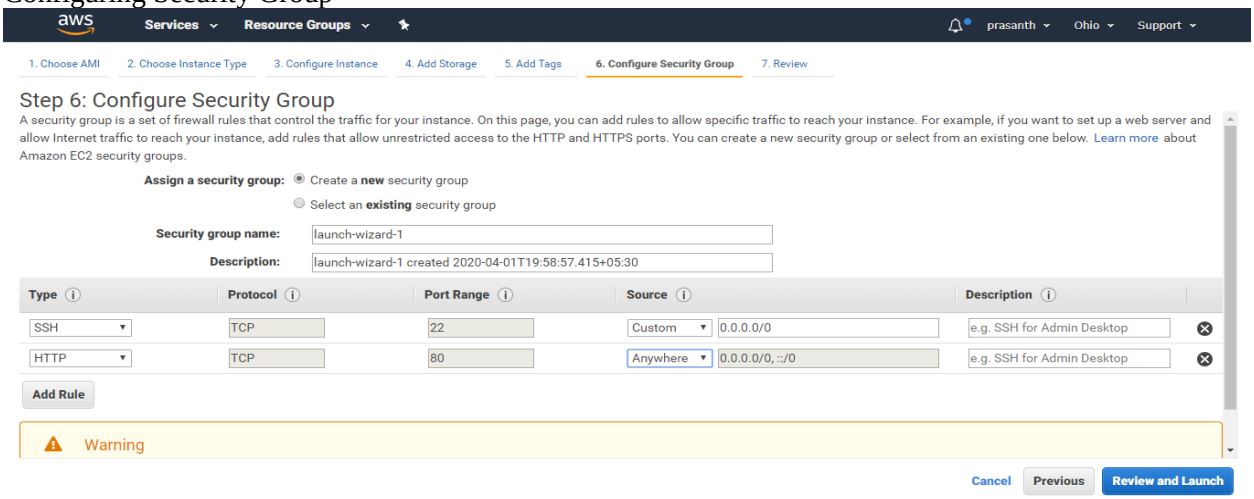
Choosing an Instance Type



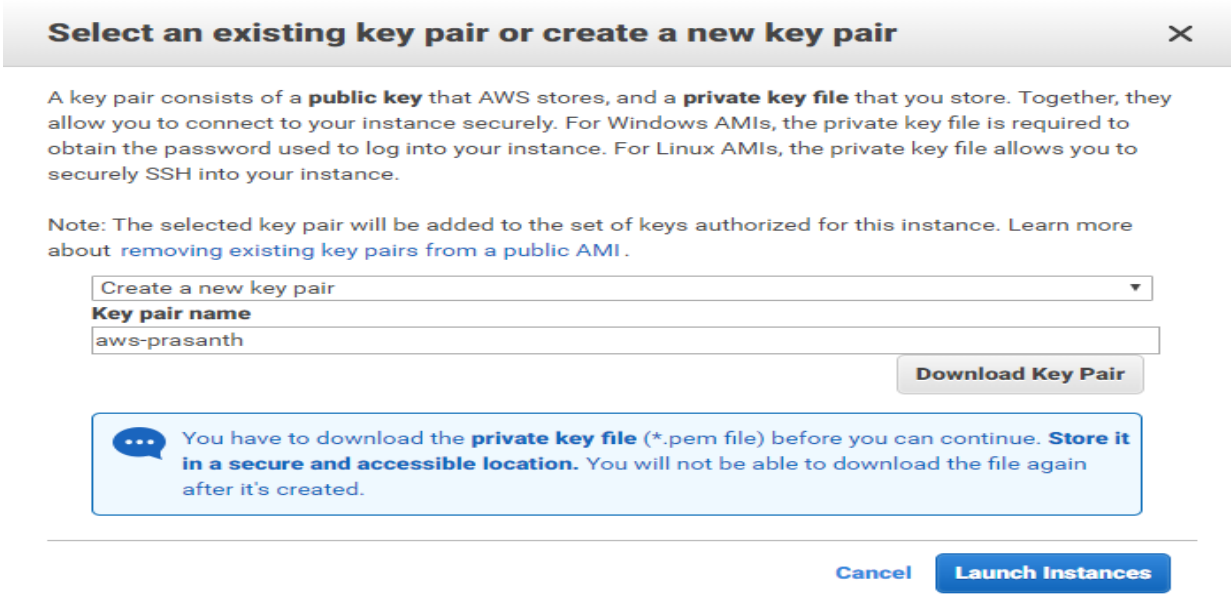
Adding Storage



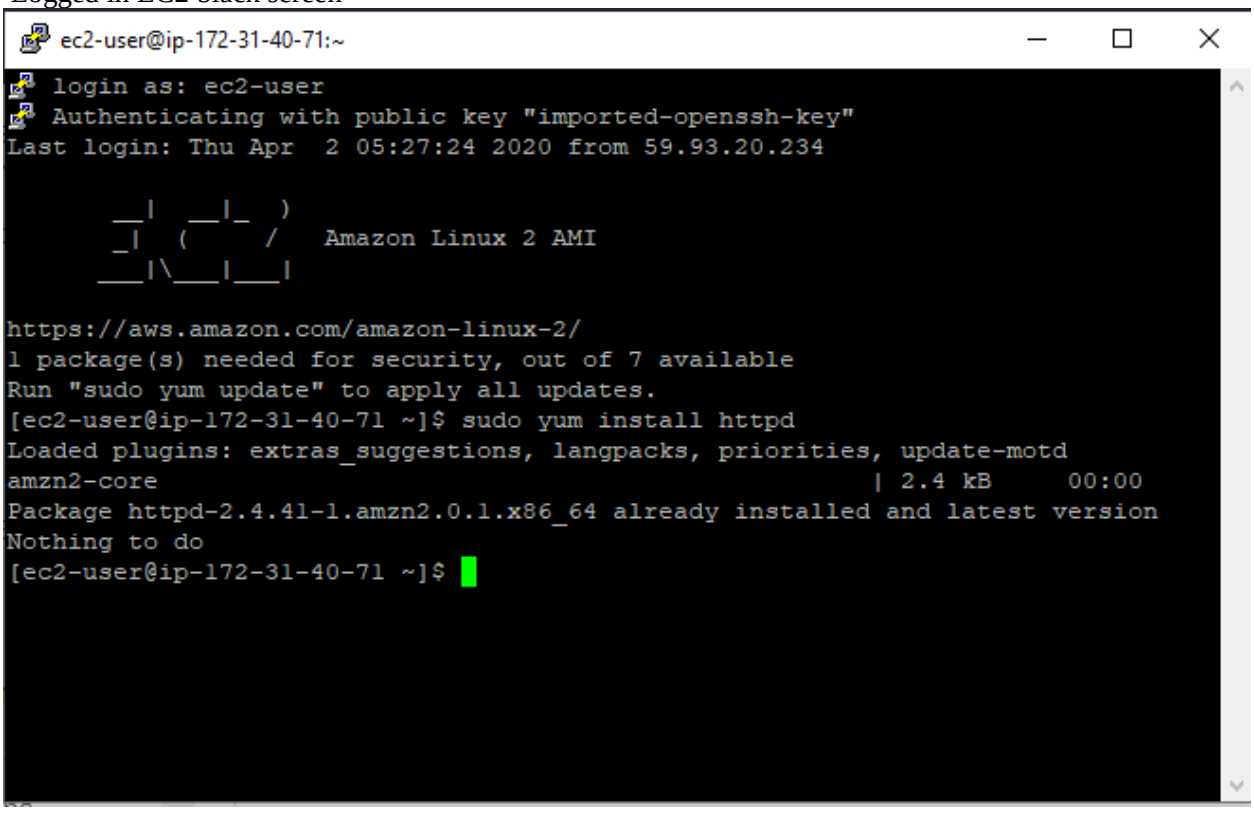
Configuring Security Group



Key Pair Download



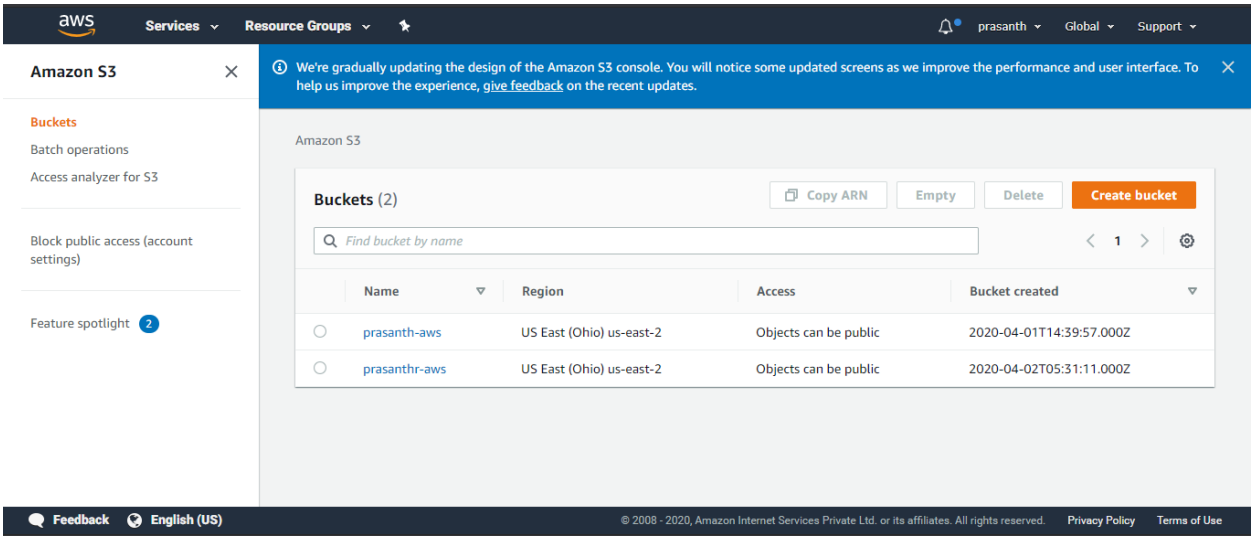
Logged in EC2 black screen



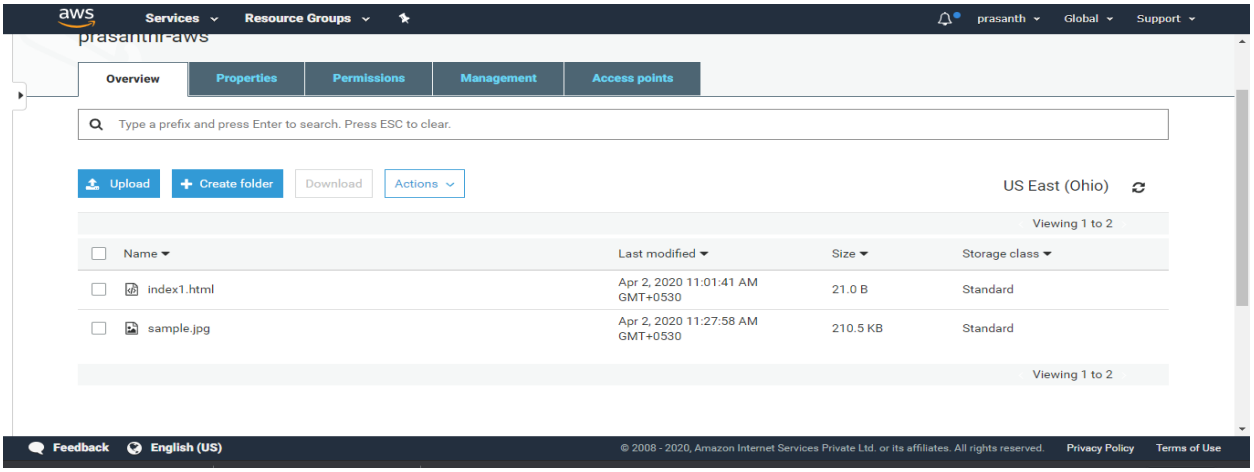
```
ec2-user@ip-172-31-40-71:~
[ec2-user@ip-172-31-40-71 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-40-71 ~]$ sudo service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
t: disabled)
   Active: active (running) since Thu 2020-04-02 05:28:22 UTC; 25min ago
     Docs: man:httpd.service(8)
 Main PID: 3644 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes se
rved/sec:    0 B/sec"
   CGroup: /system.slice/httpd.service
           ├─3644 /usr/sbin/httpd -DFOREGROUND
           ├─3645 /usr/sbin/httpd -DFOREGROUND
           ├─3646 /usr/sbin/httpd -DFOREGROUND
           ├─3647 /usr/sbin/httpd -DFOREGROUND
           ├─3648 /usr/sbin/httpd -DFOREGROUND
           └─3649 /usr/sbin/httpd -DFOREGROUND

Apr 02 05:28:22 ip-172-31-40-71.us-east-2.compute.internal systemd[1]: Starti...
Apr 02 05:28:22 ip-172-31-40-71.us-east-2.compute.internal systemd[1]: Starte...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-40-71 ~]$
```

Screenshots needed for S3

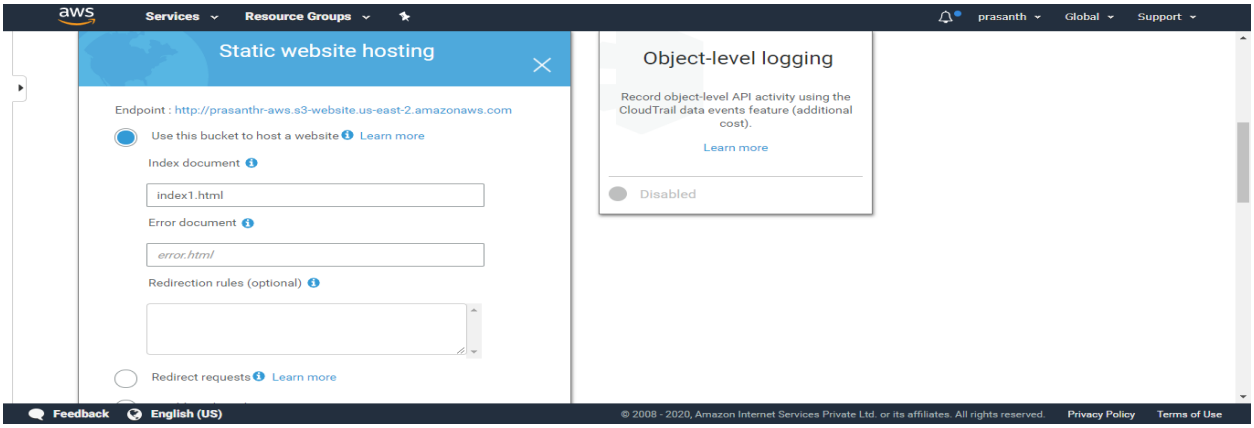
Creating a bucket



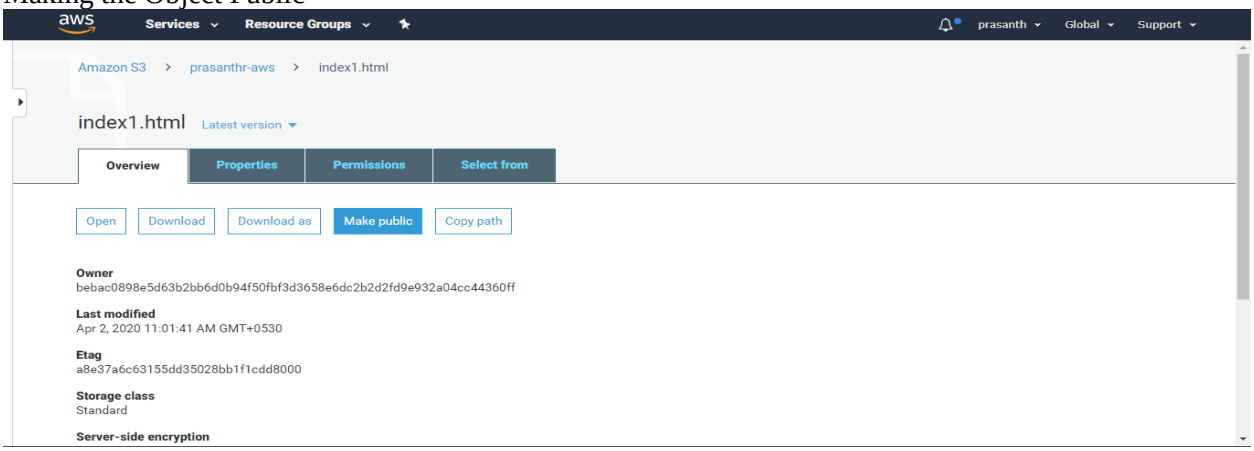
Uploading an Object



Enabling Static Website



Making the Object Public

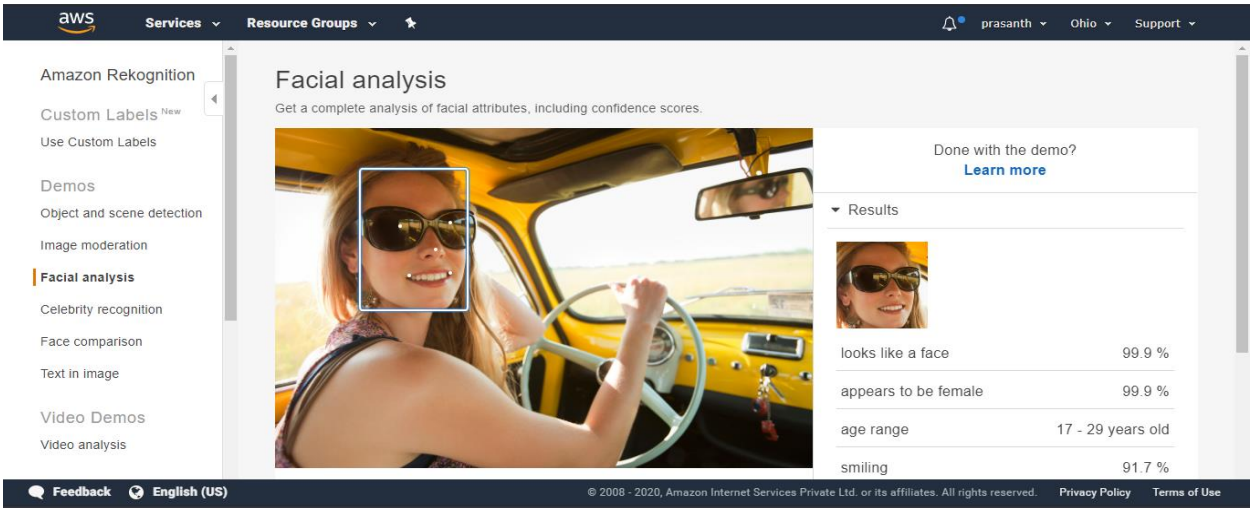


Checking the S3 link on the browser

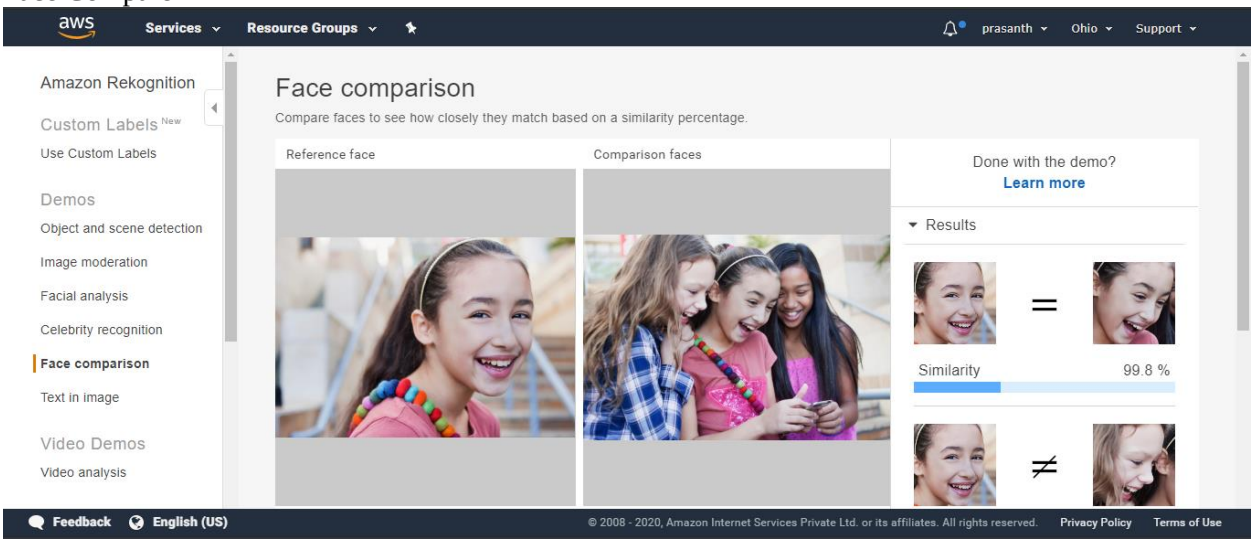
Hi Hello Prasanth R

Screenshots needed for Rekognition

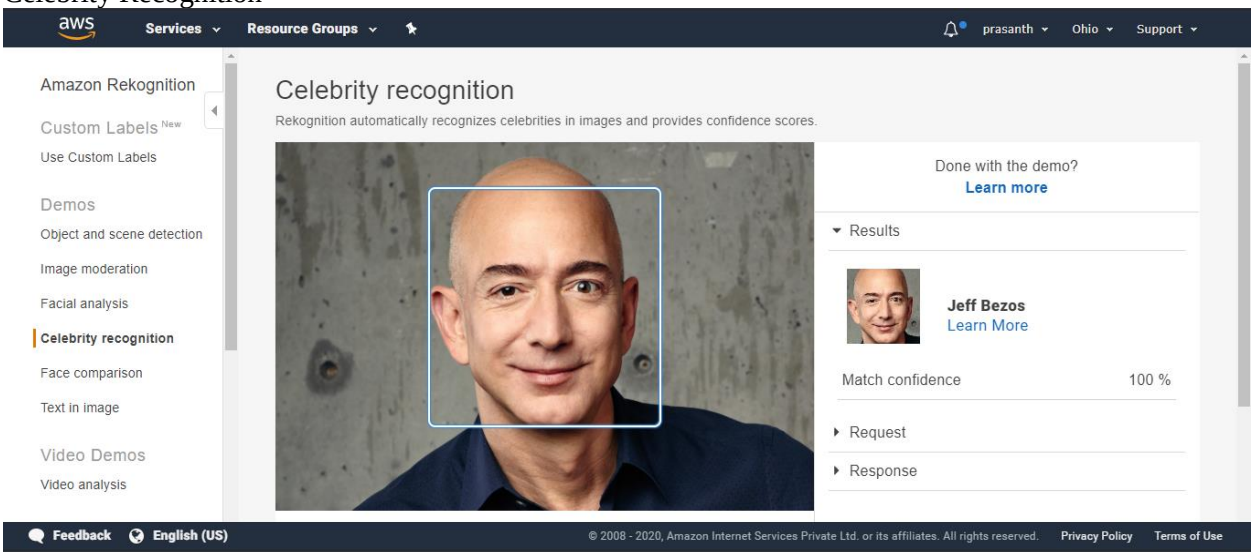
Face Detect



Face Compare



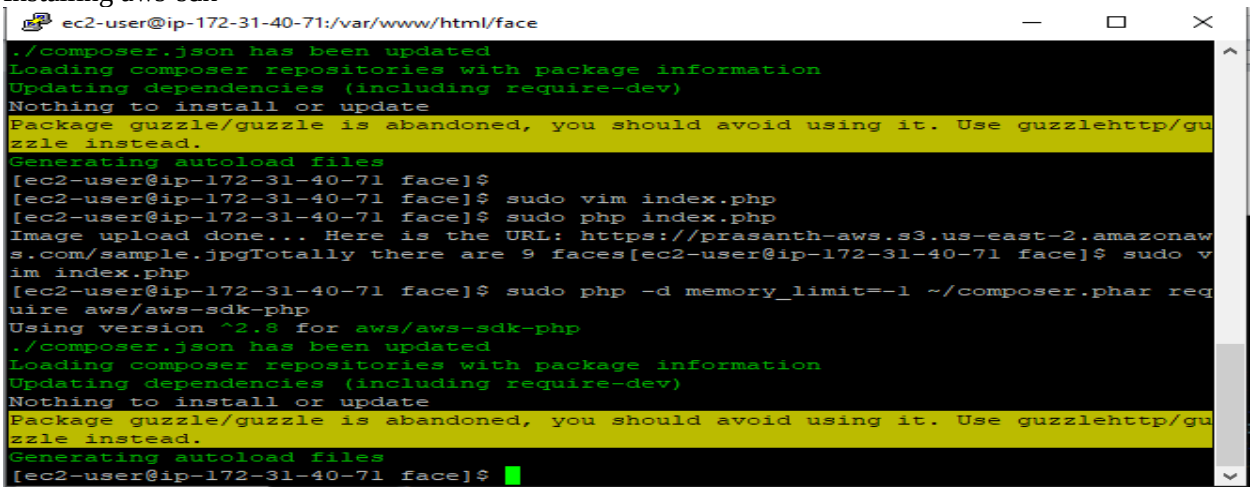
Celebrity Recognition



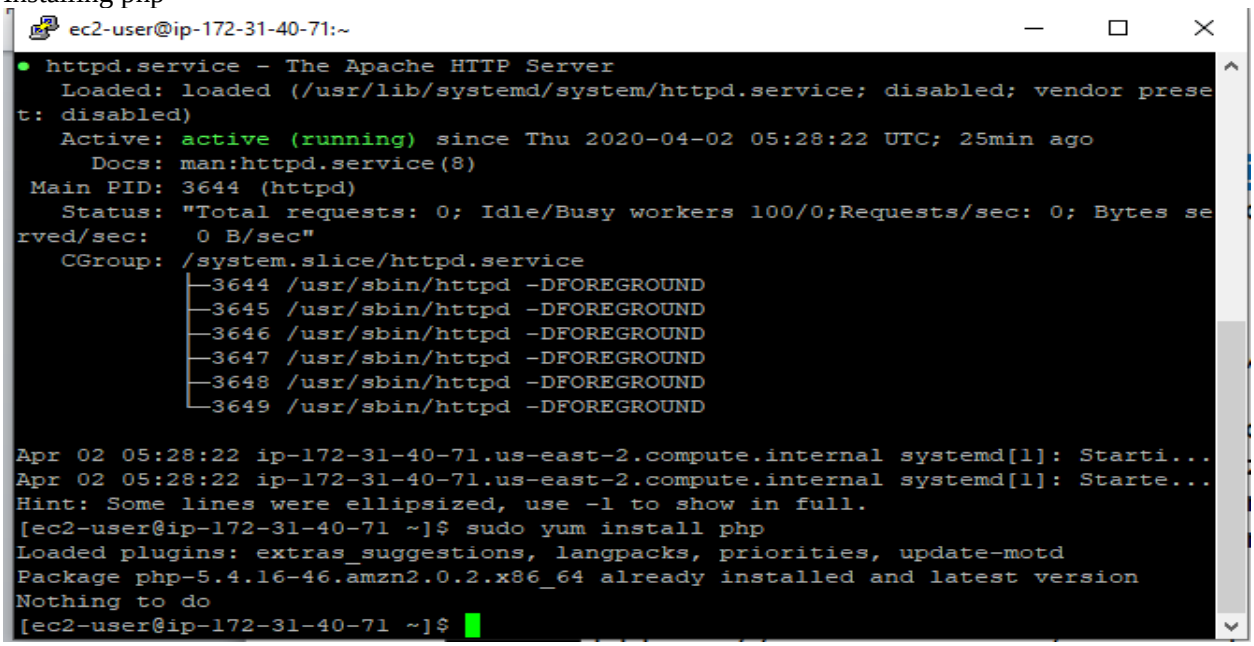
Text in Image

Screenshots needed for EC2 & S3

Installing aws-sdk



Installing php



```
ec2-user@ip-172-31-40-71:~
   CGroup: /system.slice/httpd.service
           ├─3644 /usr/sbin/httpd -DFOREGROUND
           ├─3645 /usr/sbin/httpd -DFOREGROUND
           ├─3646 /usr/sbin/httpd -DFOREGROUND
           ├─3647 /usr/sbin/httpd -DFOREGROUND
           ├─3648 /usr/sbin/httpd -DFOREGROUND
           └─3649 /usr/sbin/httpd -DFOREGROUND

Apr 02 05:28:22 ip-172-31-40-71.us-east-2.compute.internal systemd[1]: Starti...
Apr 02 05:28:22 ip-172-31-40-71.us-east-2.compute.internal systemd[1]: Starte...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-40-71 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-5.4.16-46.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-40-71 ~]$ 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
r
Use it: php composer.phar

[ec2-user@ip-172-31-40-71 ~]$
```

index.php file code

```
ec2-user@ip-172-31-40-71:/var/www/html/face
In case if you get memory error -
        sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
        sudo /sbin/mkswap /var/swap.1
        sudo /sbin/swapon /var/swap.1

sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c055
80.jpg
sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg

*/
error_reporting(0);

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

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

$bucket = 'prasanthr-aws';
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
```

Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot

```
ec2-user@ip-172-31-40-71:/var/www/html/face
All settings correct for using Composer
Downloading...

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

[ec2-user@ip-172-31-40-71 ~]$ cd /var/www/html/face
[ec2-user@ip-172-31-40-71 face]$ sudo php -d memory_limit=-1 ~/composer.phar req
uire aws/aws-sdk-php

Using version ^2.8 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/gu
zzle instead.
Generating autoload files
[ec2-user@ip-172-31-40-71 face]$
[ec2-user@ip-172-31-40-71 face]$ sudo vim index.php
[ec2-user@ip-172-31-40-71 face]$ sudo php index.php
Image upload done... Here is the URL: https://prasanth-aws.s3.us-east-2.amazonaw
s.com/sample.jpgTotally there are 9 faces[ec2-user@ip-172-31-40-71 face]$
```