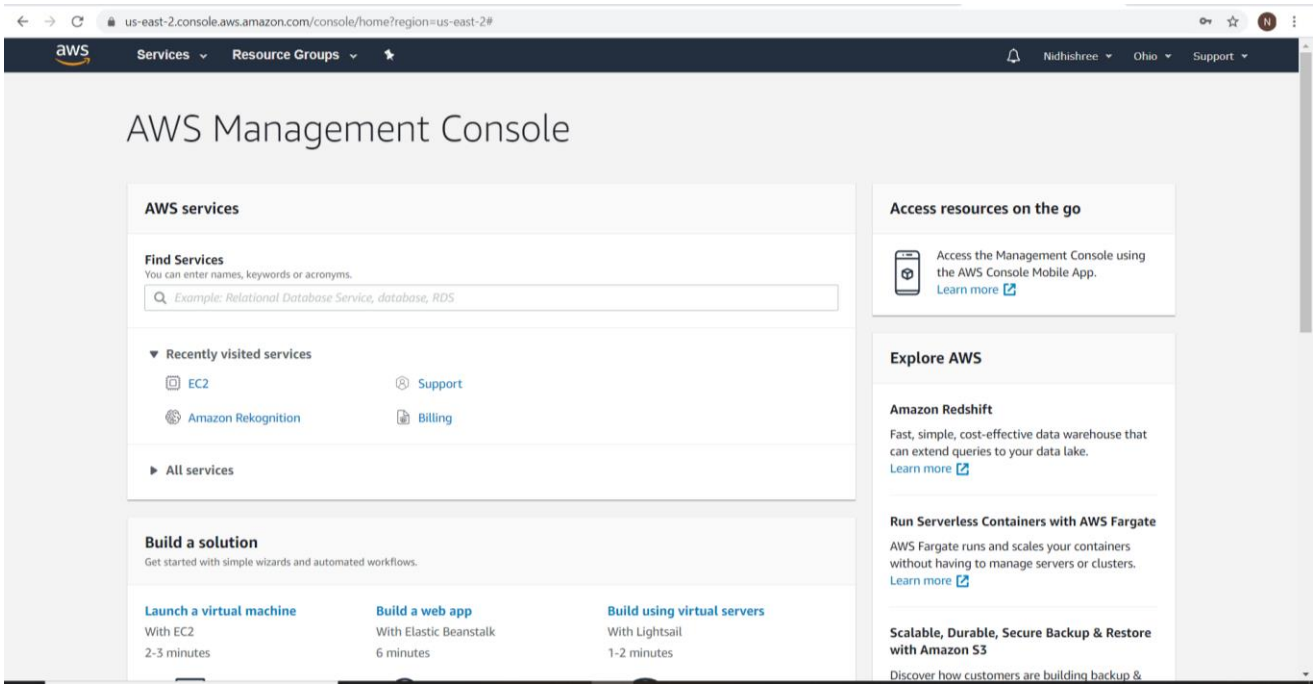
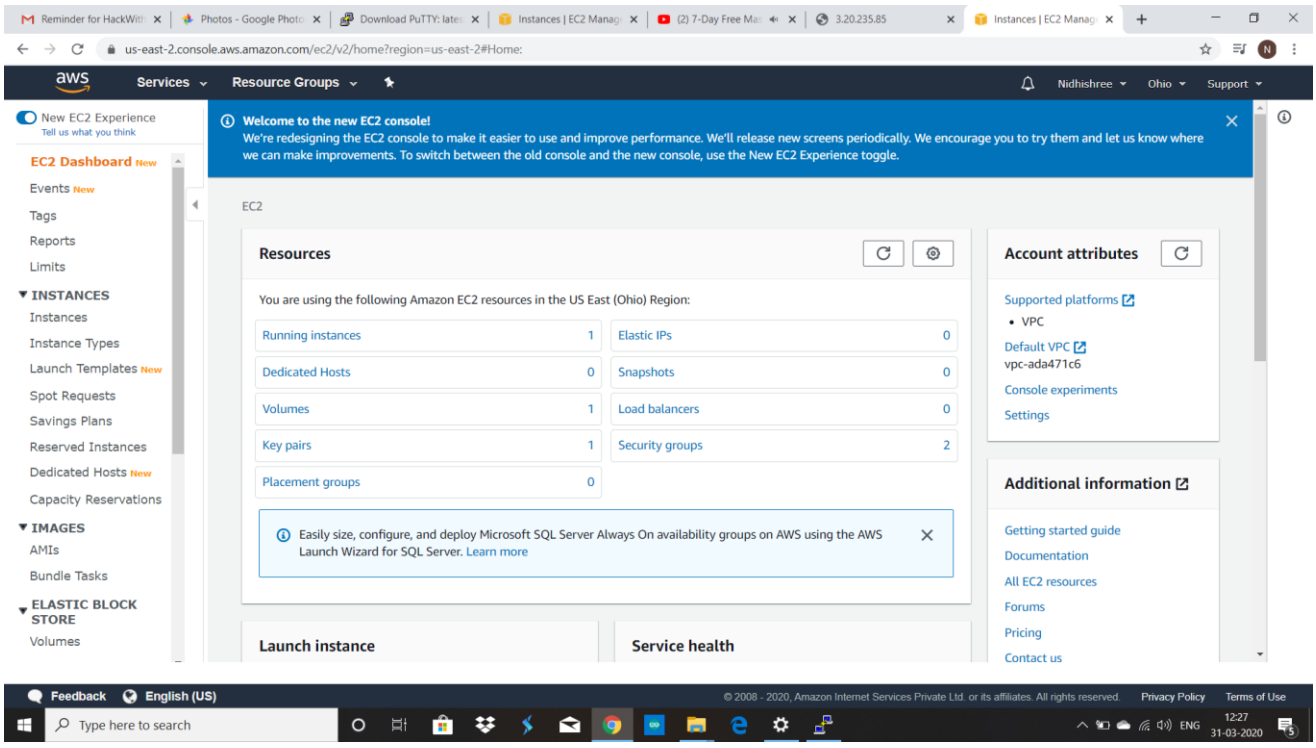
Dashboards:

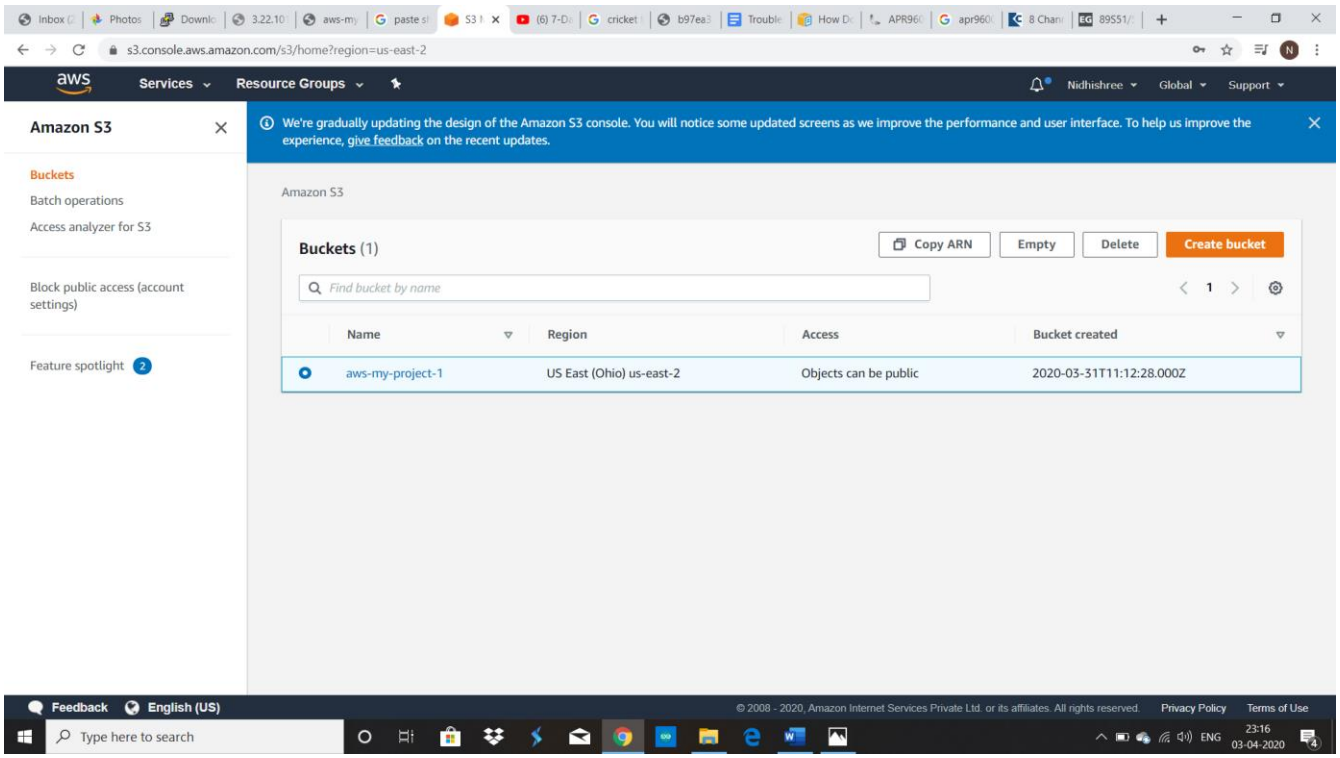
1. AWS Login Screen with username



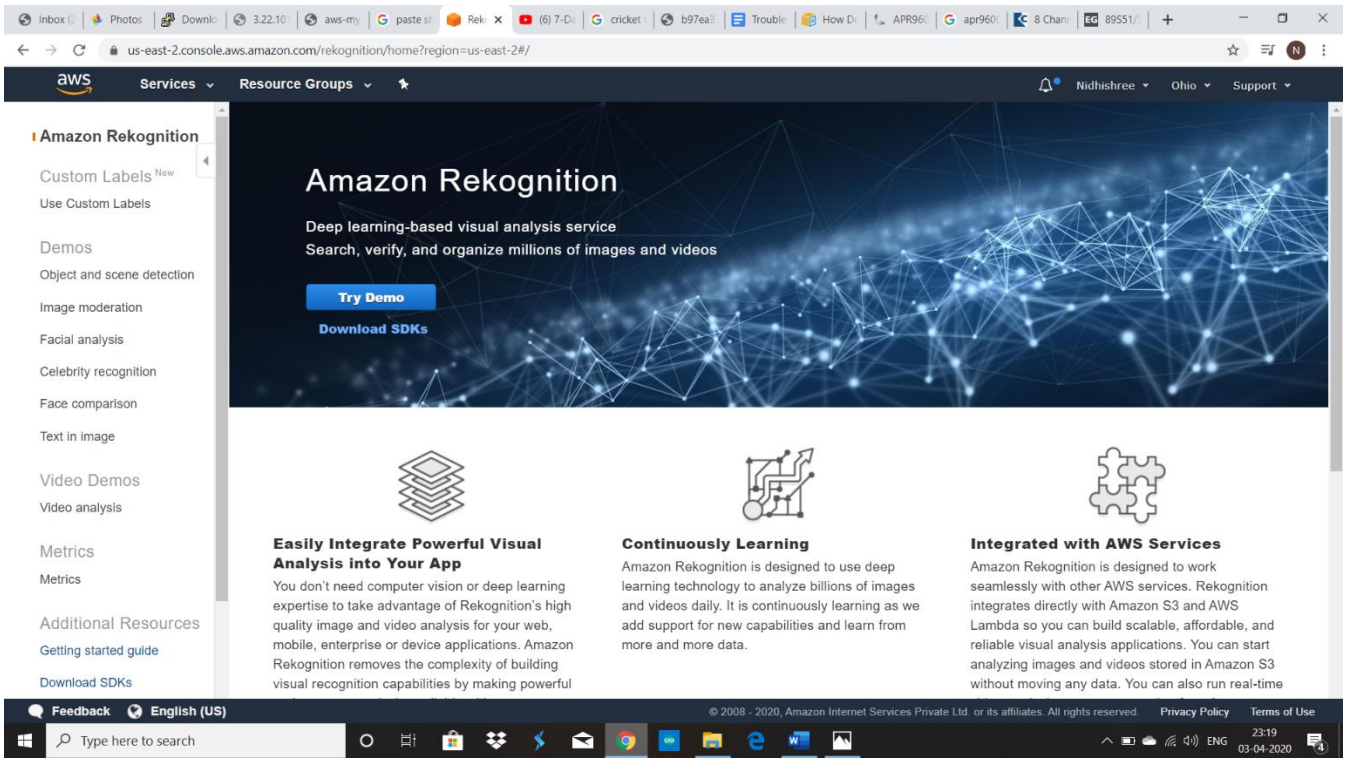
2. EC2 Dashboard



3. S3 Dashboard

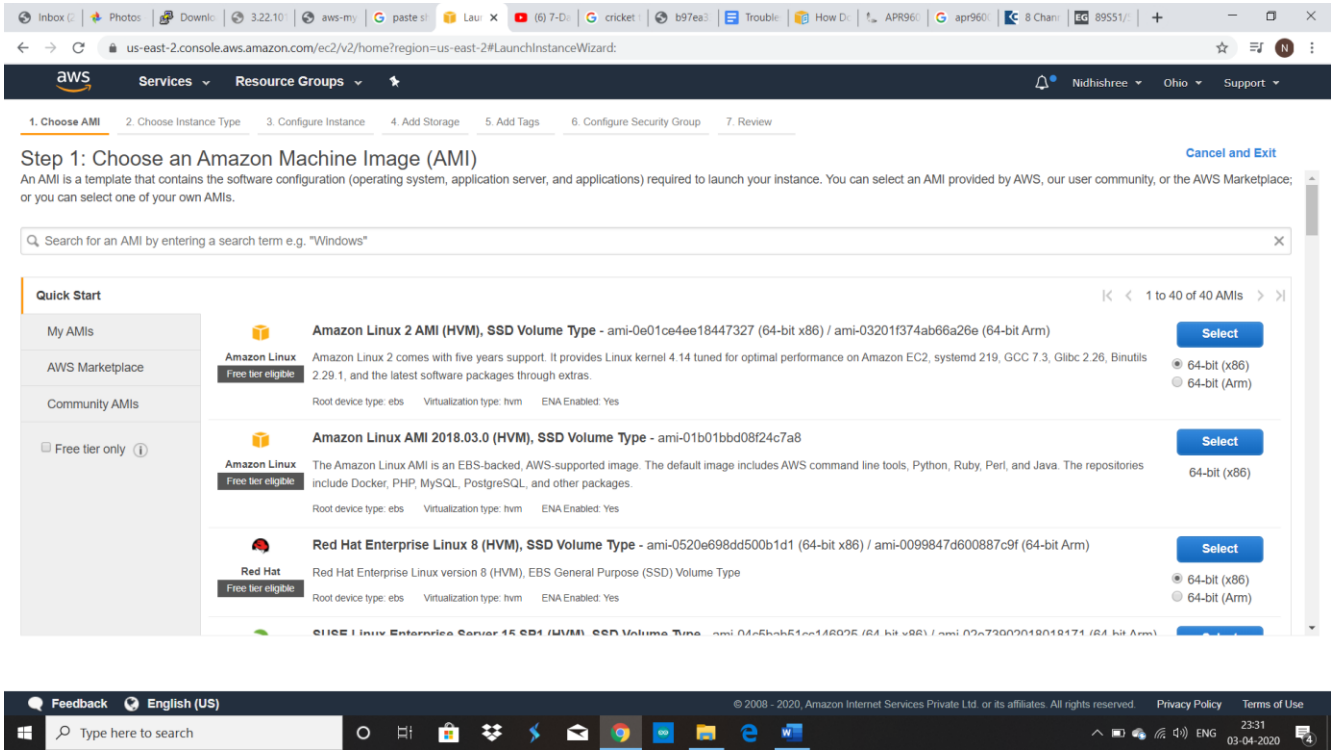


4. Rekognition Dashboard

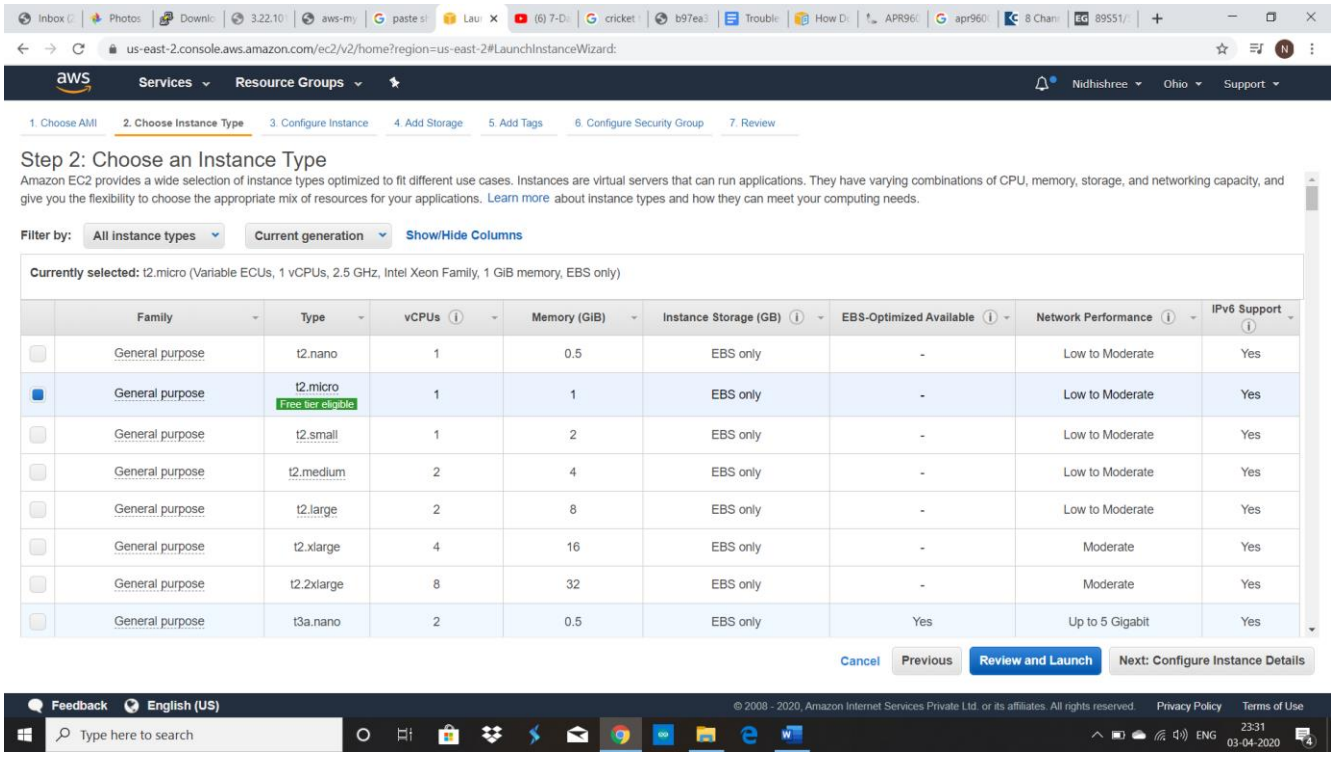


EC2:

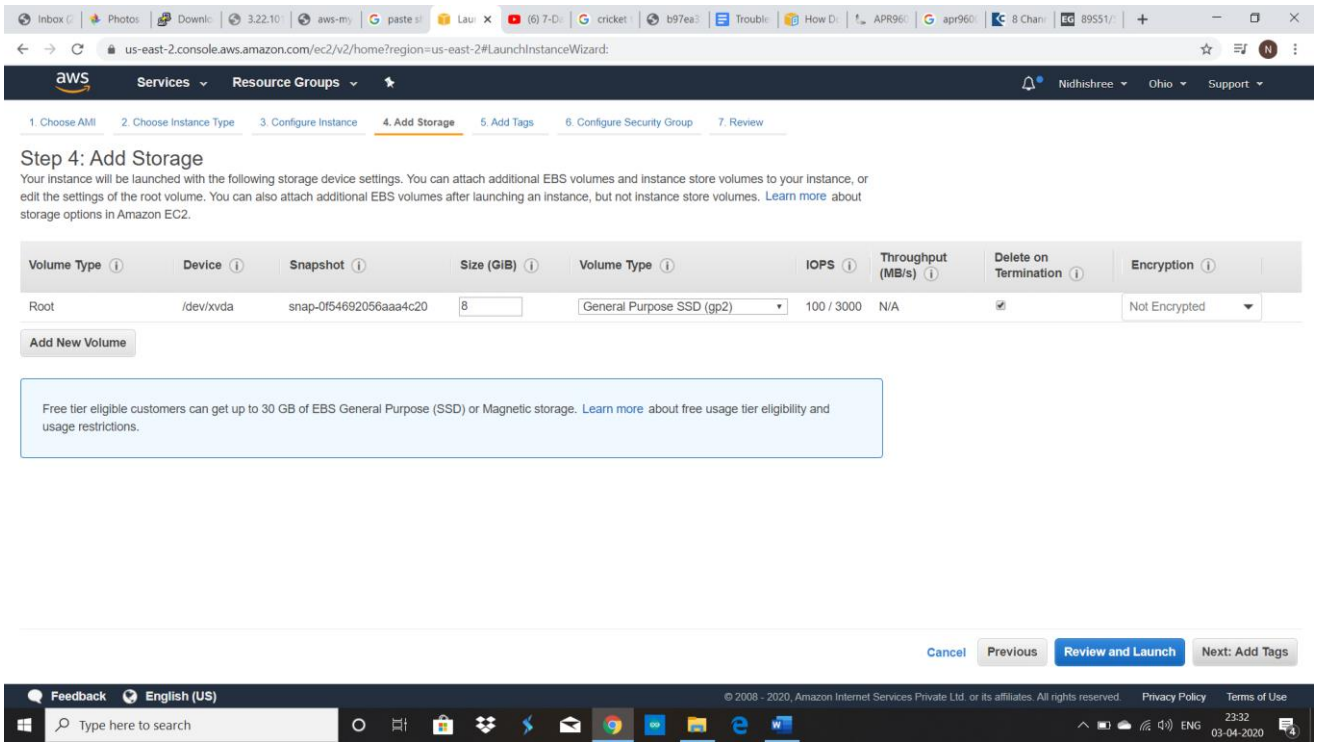
1. Choosing an AMI



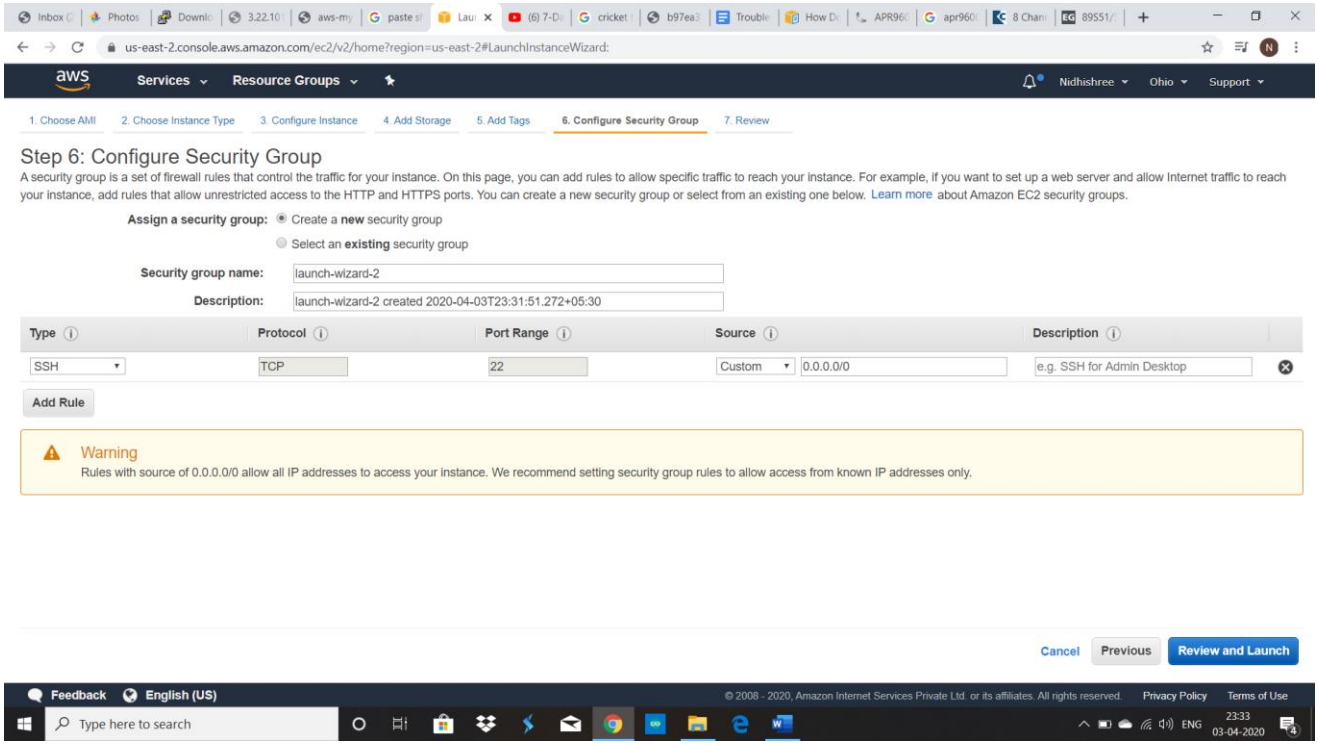
2. Choosing an Instance Type



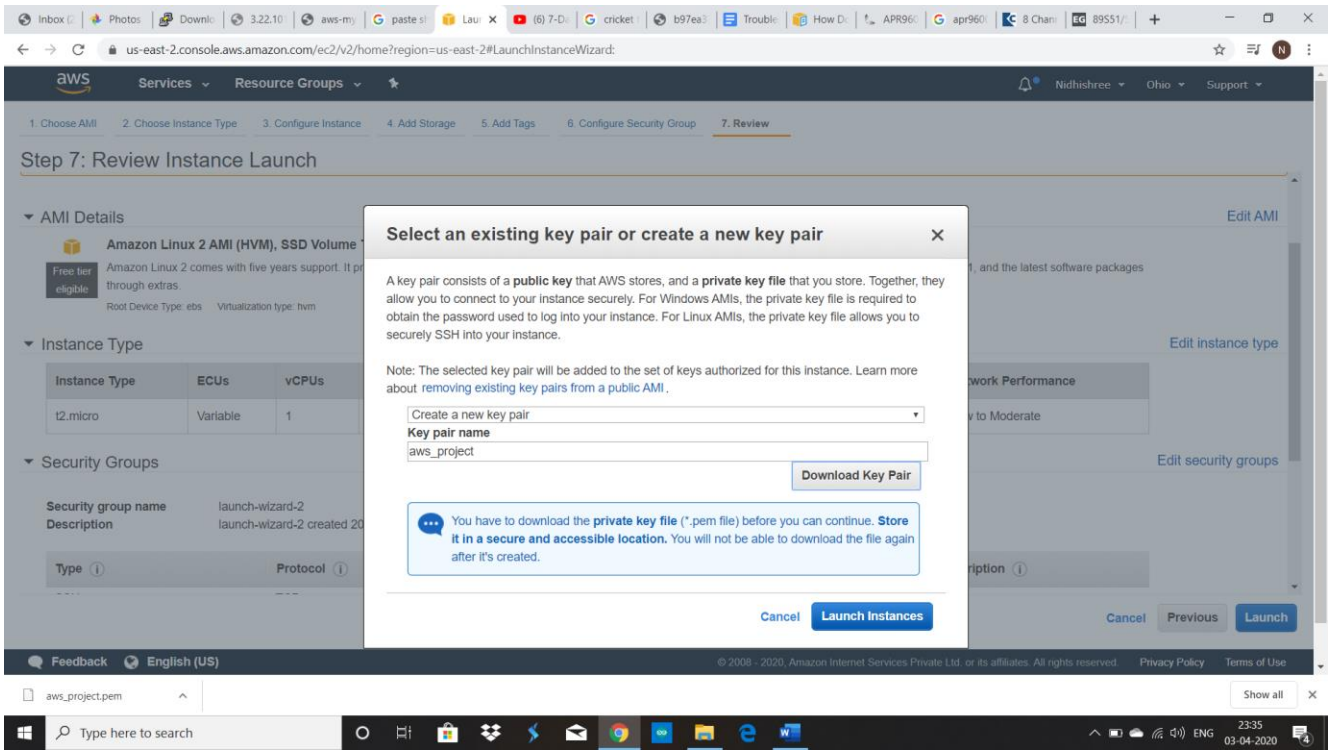
3. Adding Storage



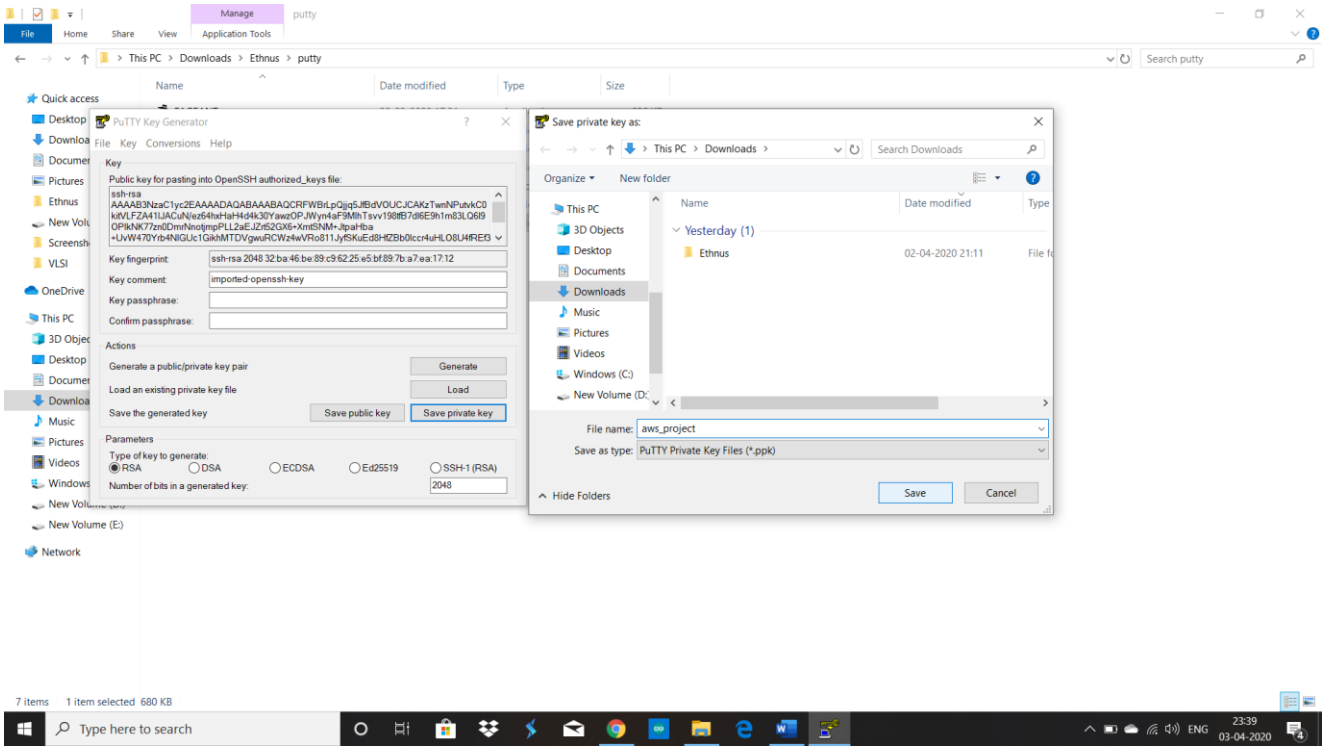
4. Configuring Security Group



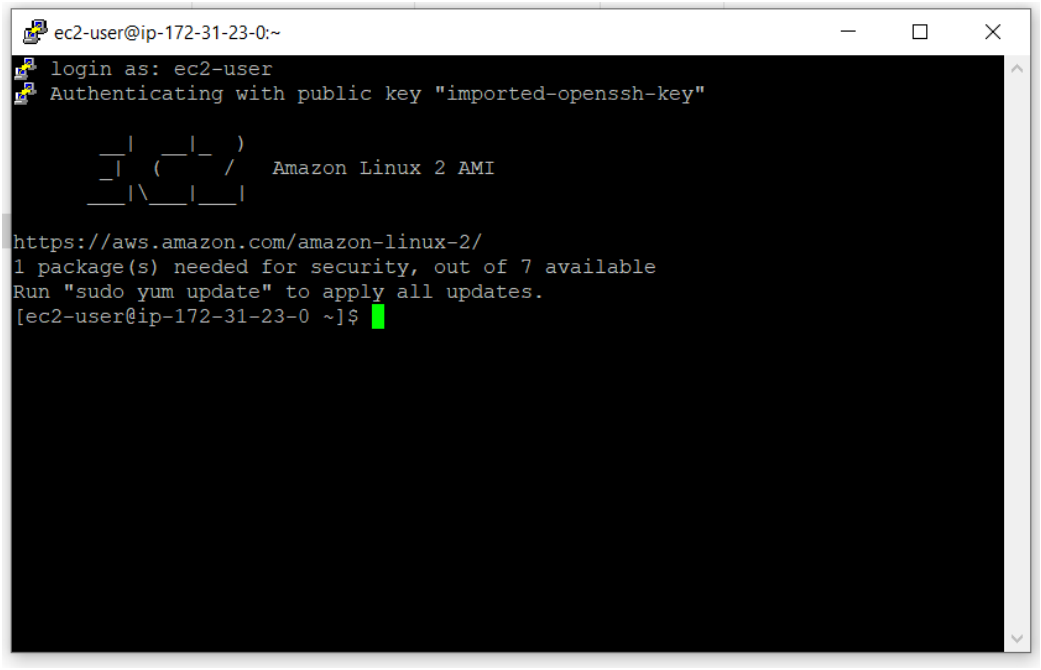
5. Key Pair Download



6. PuTTYgen Conversion from pem to ppk

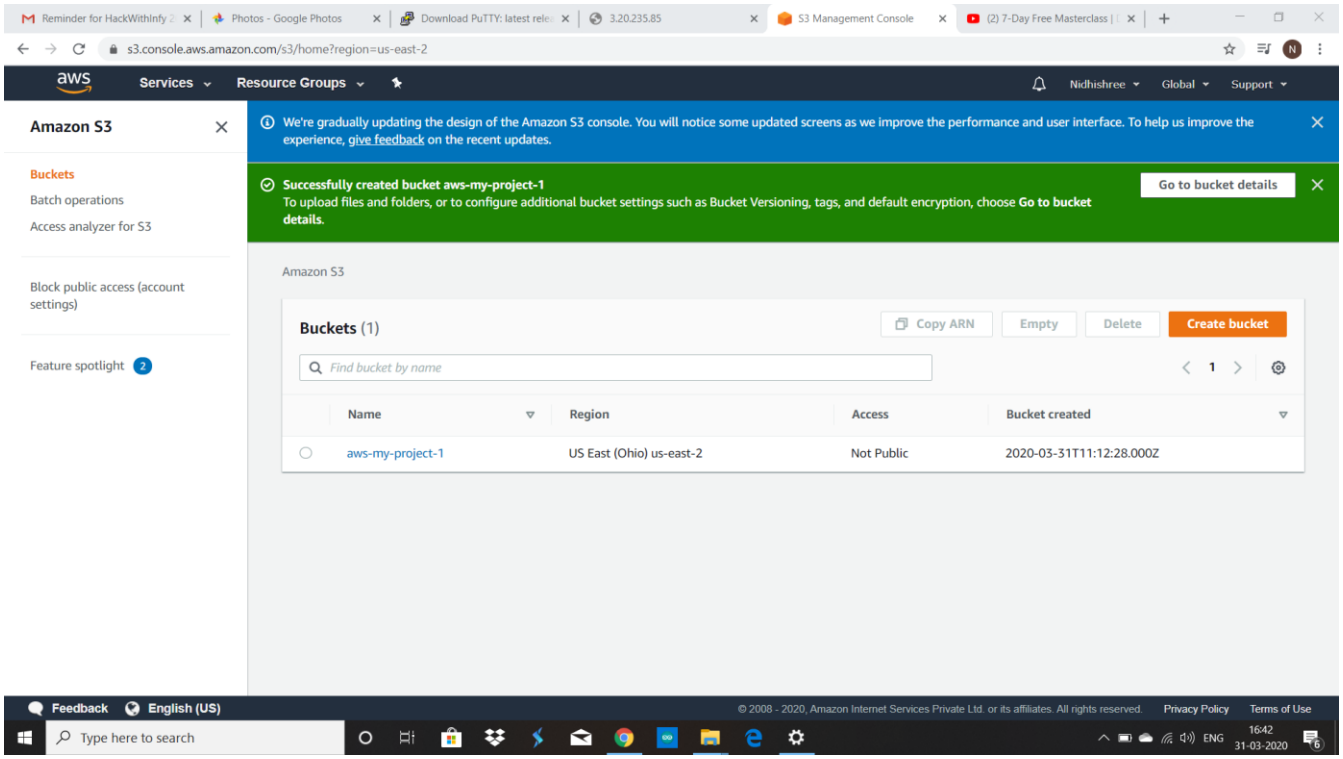


7. **Logged in EC2 black Screen**

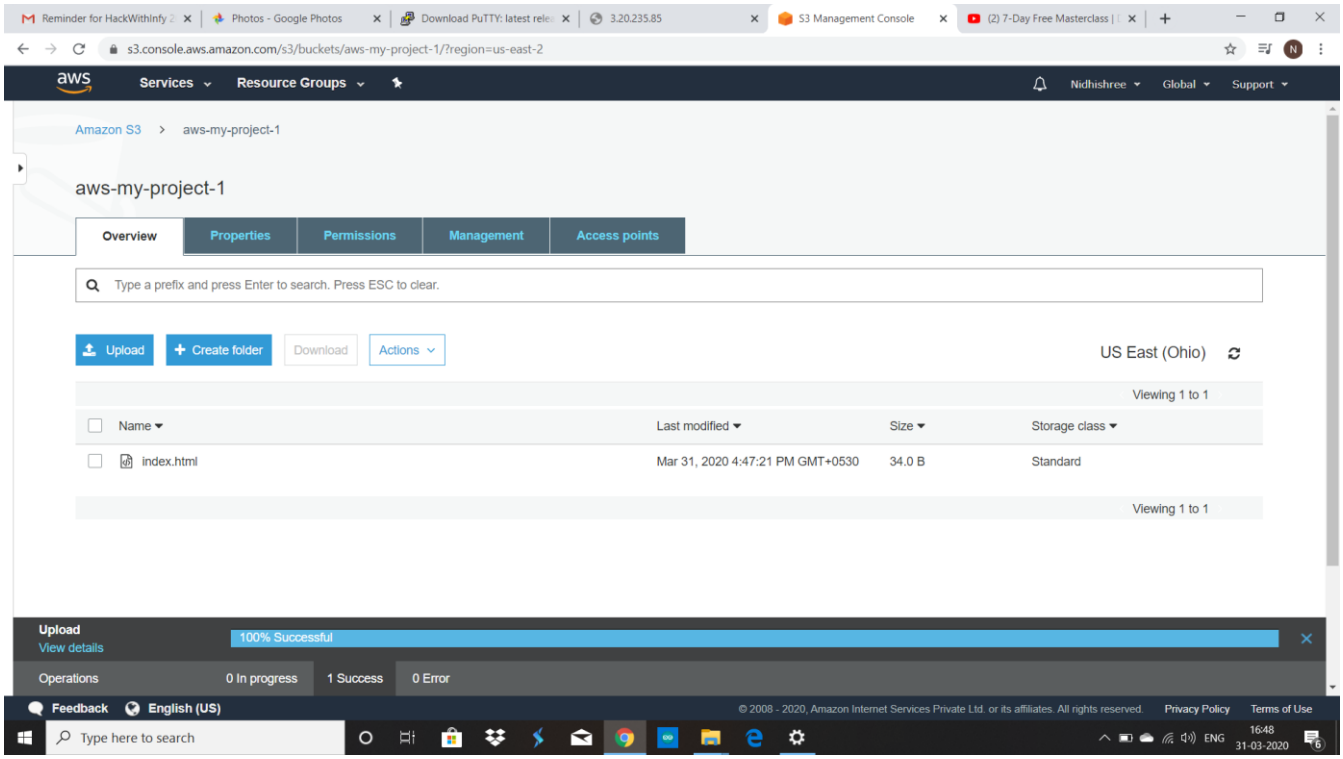


S3:

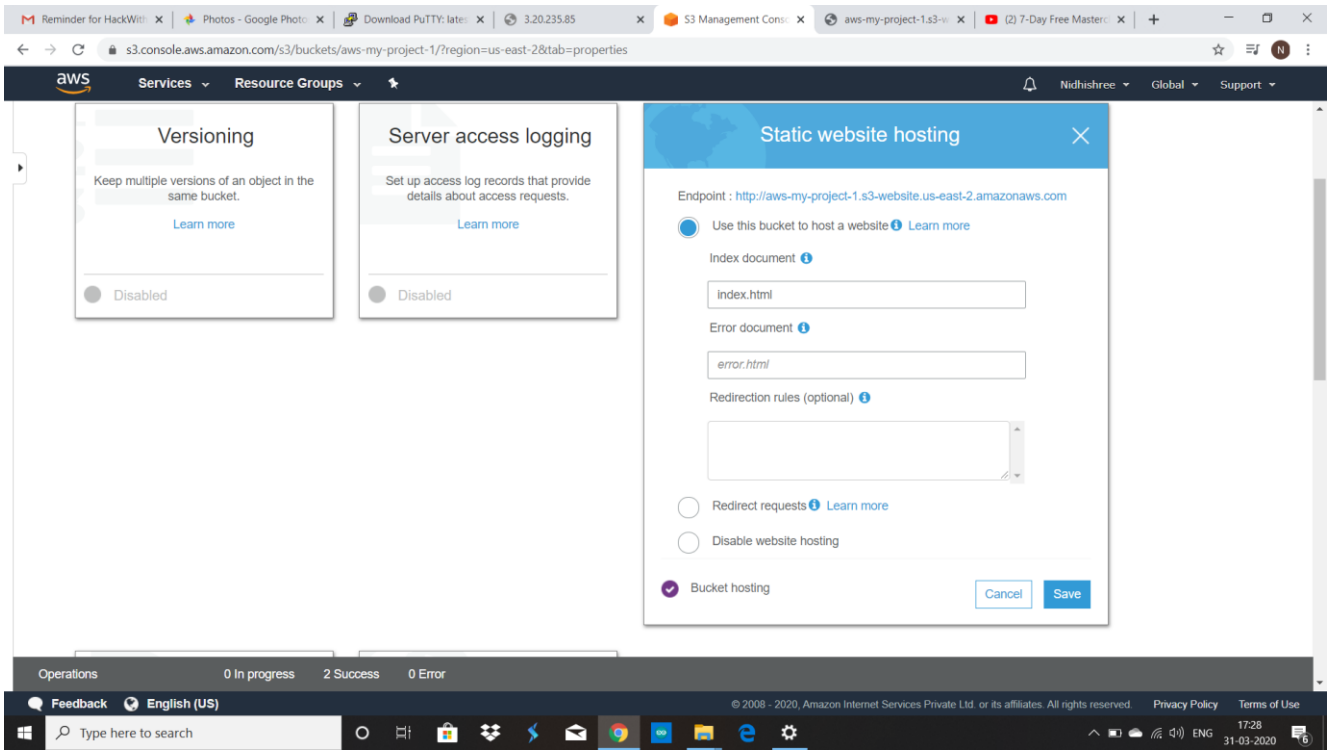
1. **Creating a bucket**

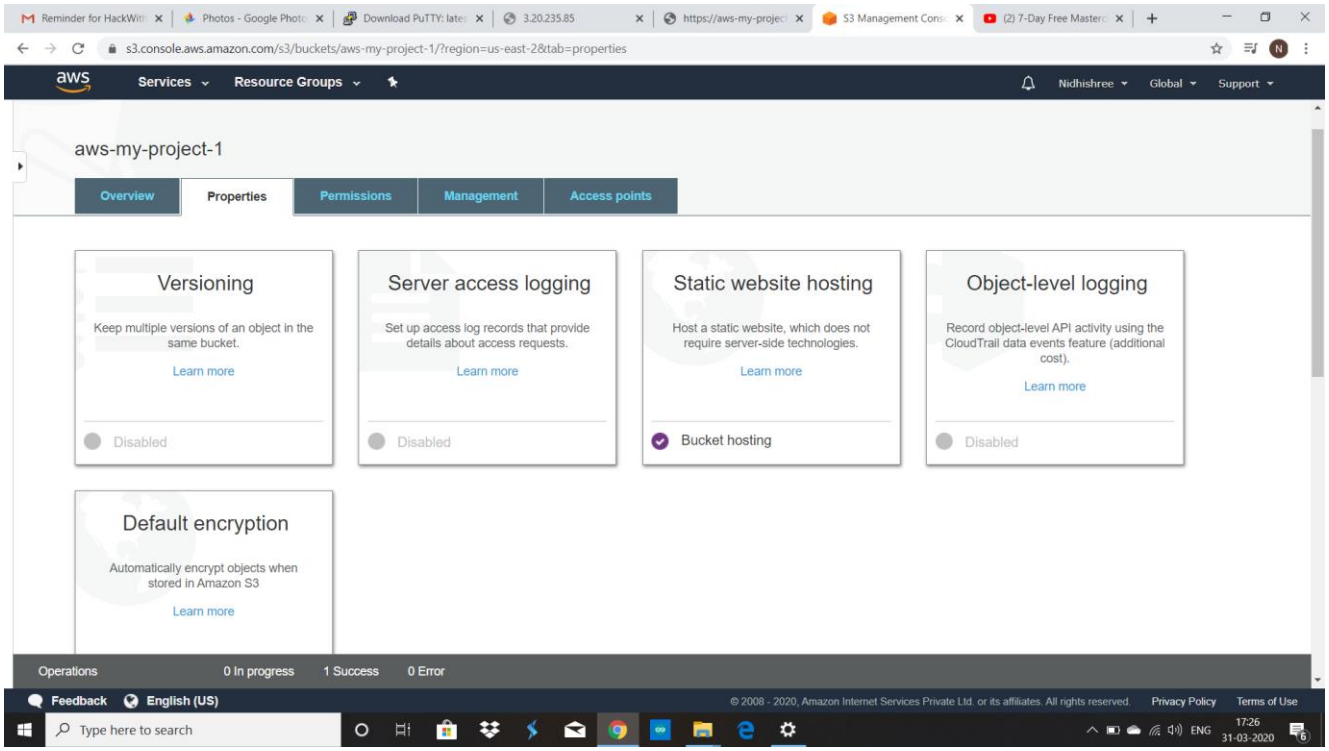


2. Uploading an object

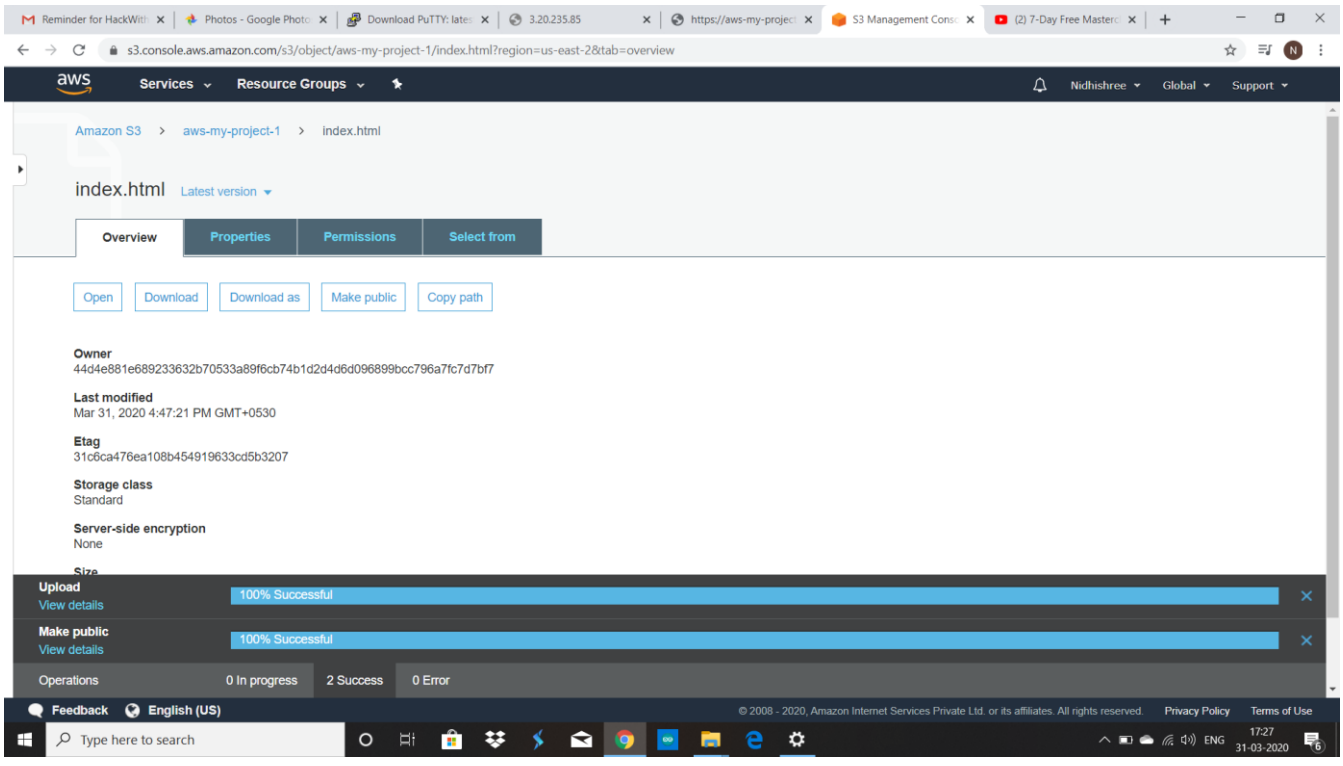


3. Enabling Static Website

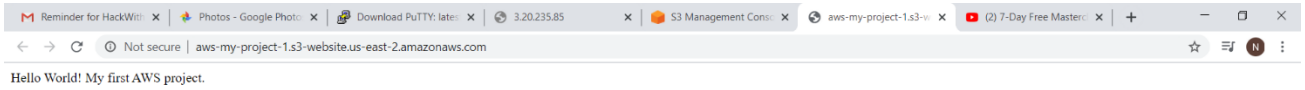




4. Making the object public

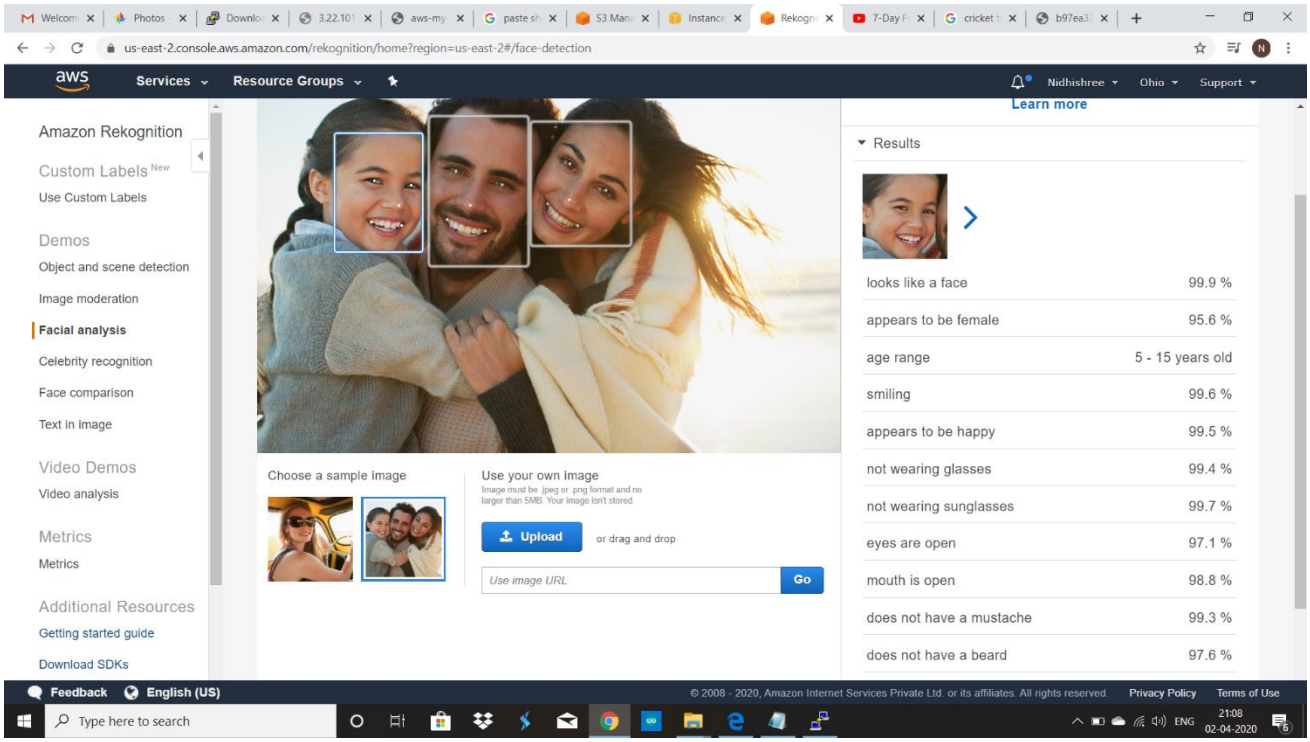


5. Checking the S3 link on the browser

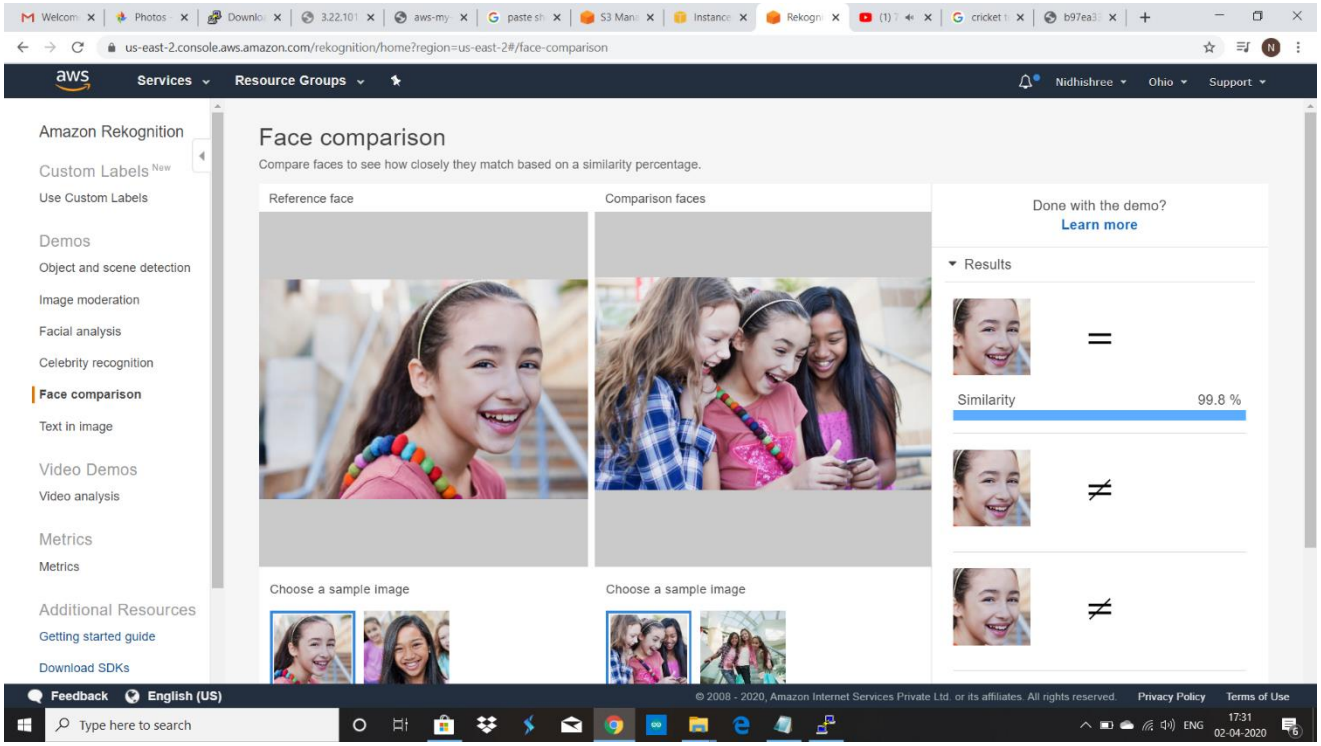


Rekognition :

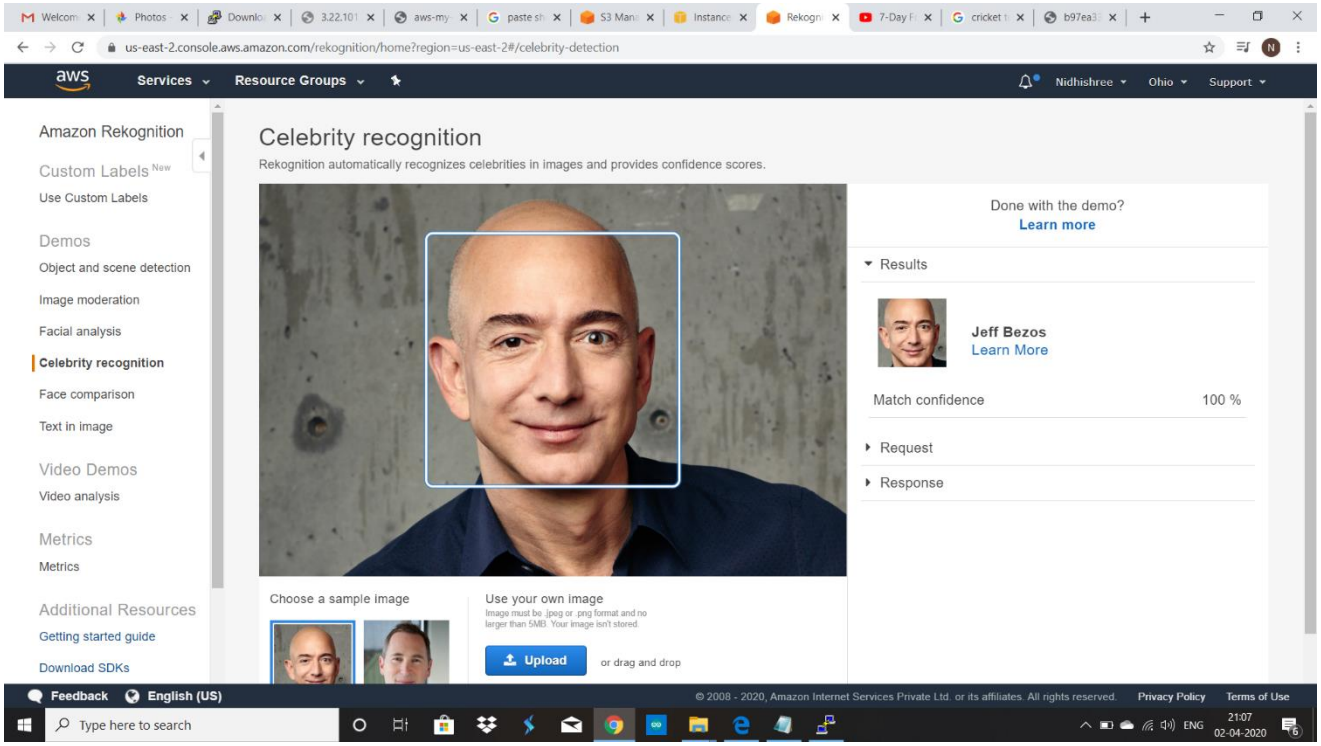
1. Face Detect



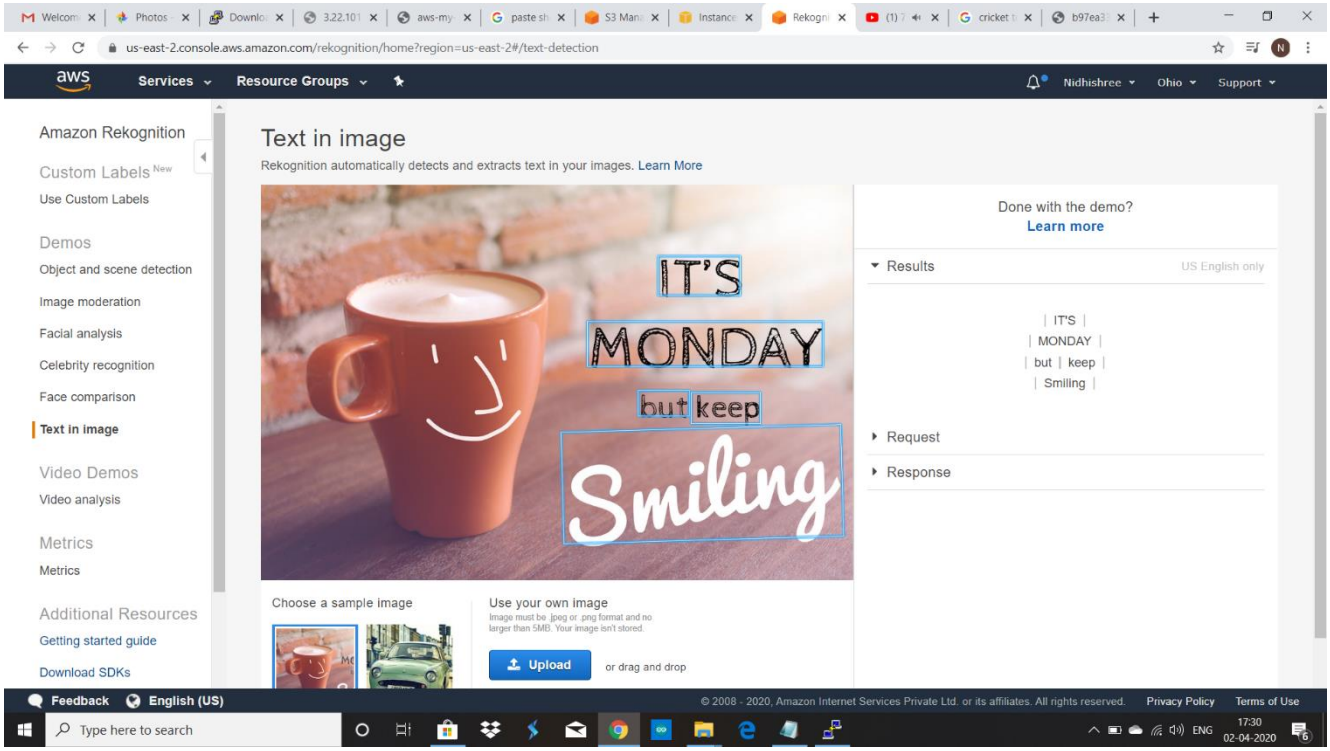
2. Face Compare



3. Celebrity Recognition

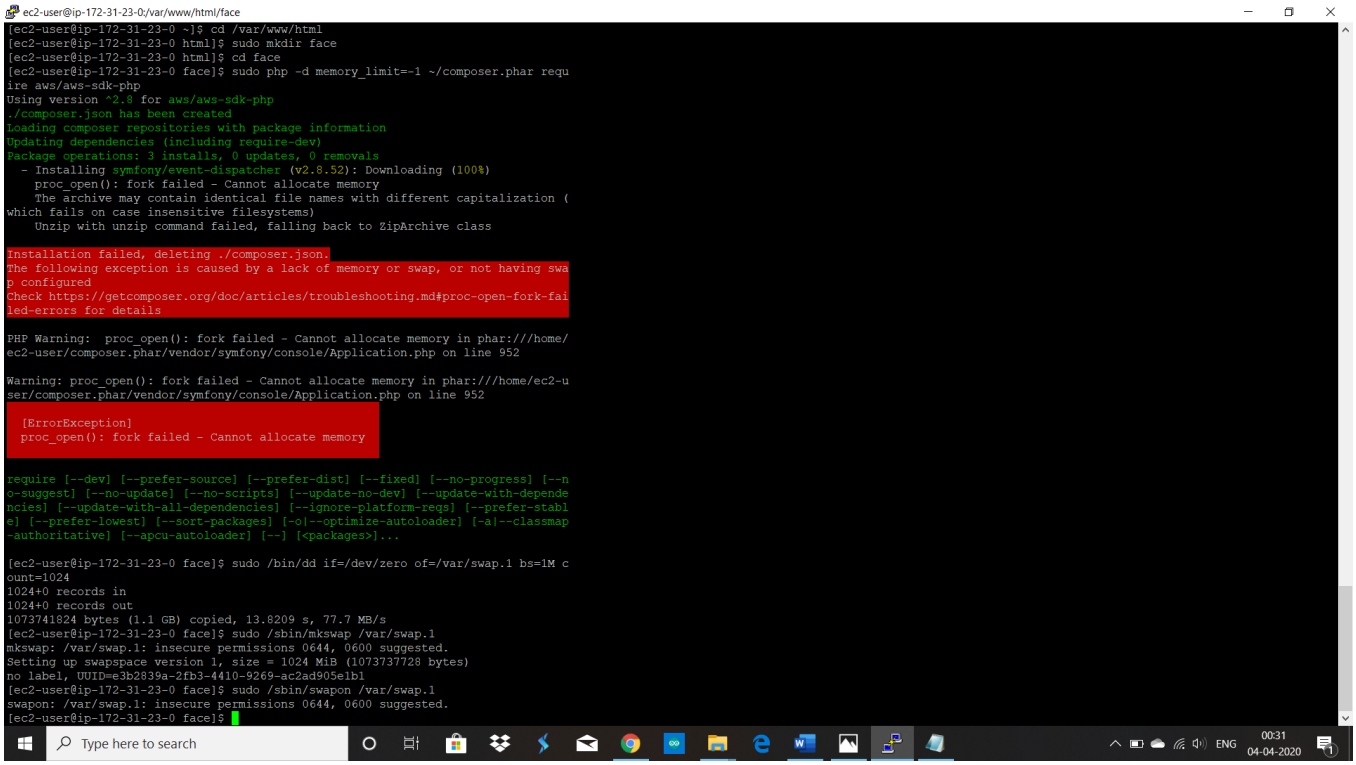


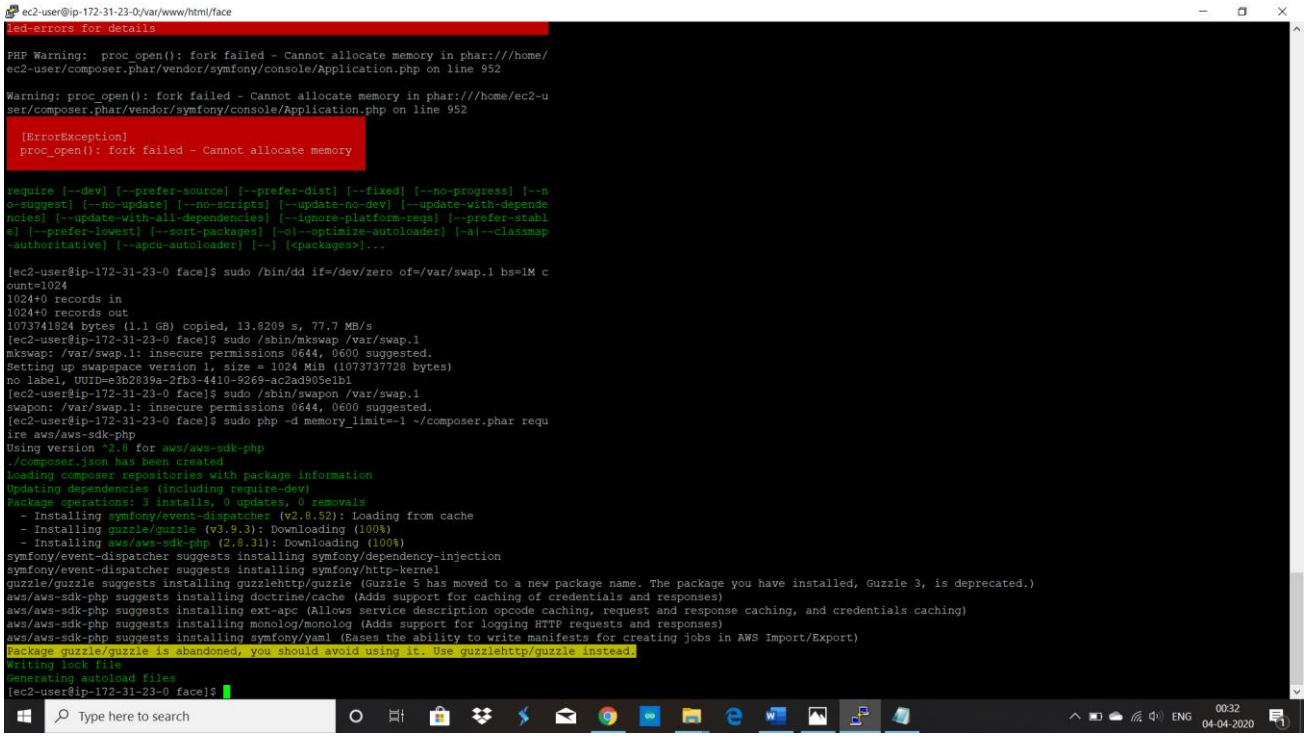
4. Text in Image



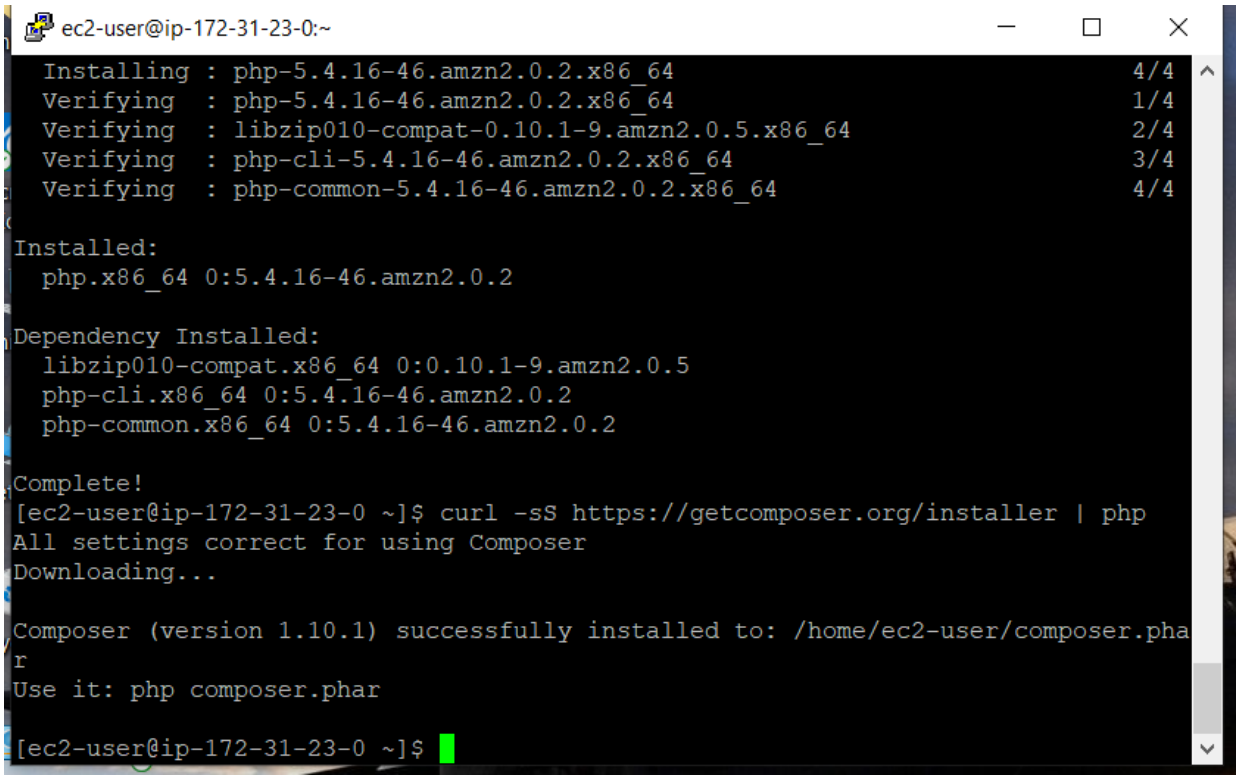
EC2 and S3:

1. Installing aws-sdk

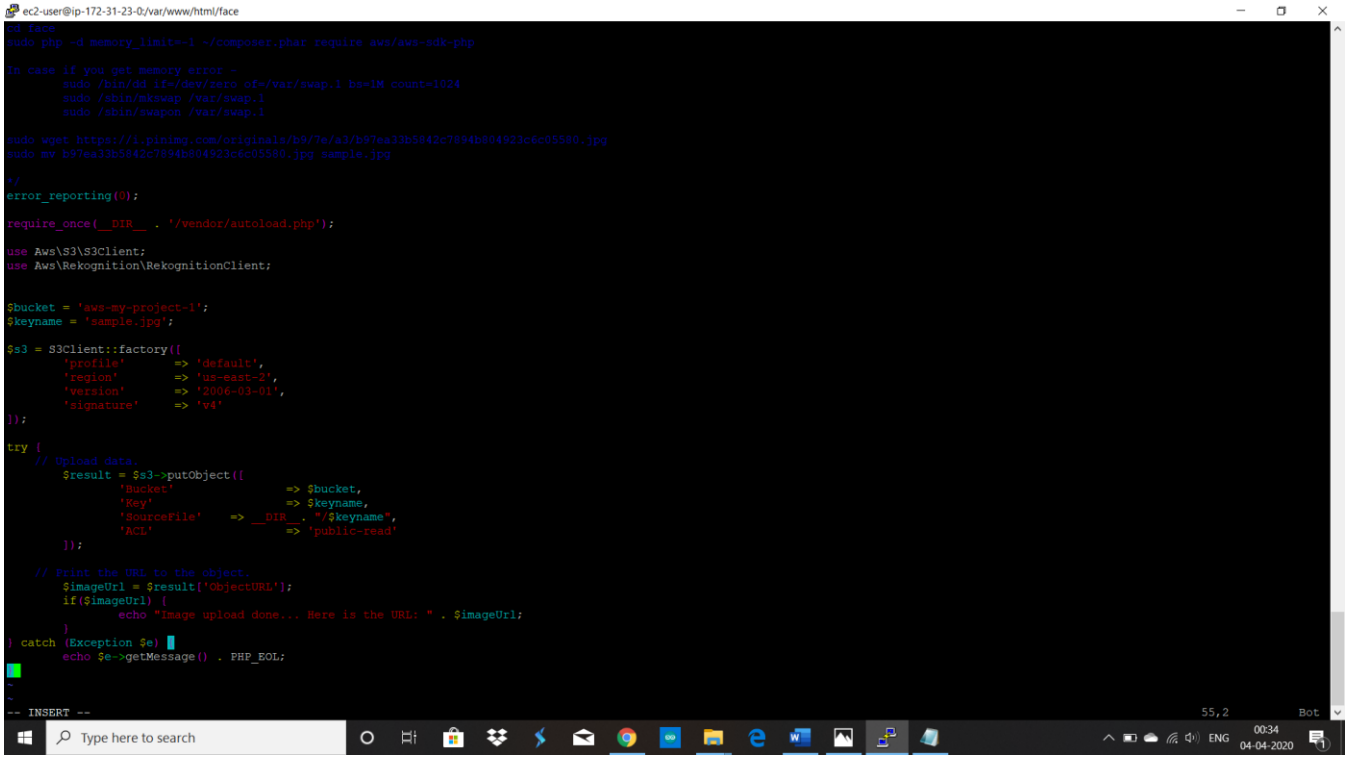




2. Installing php

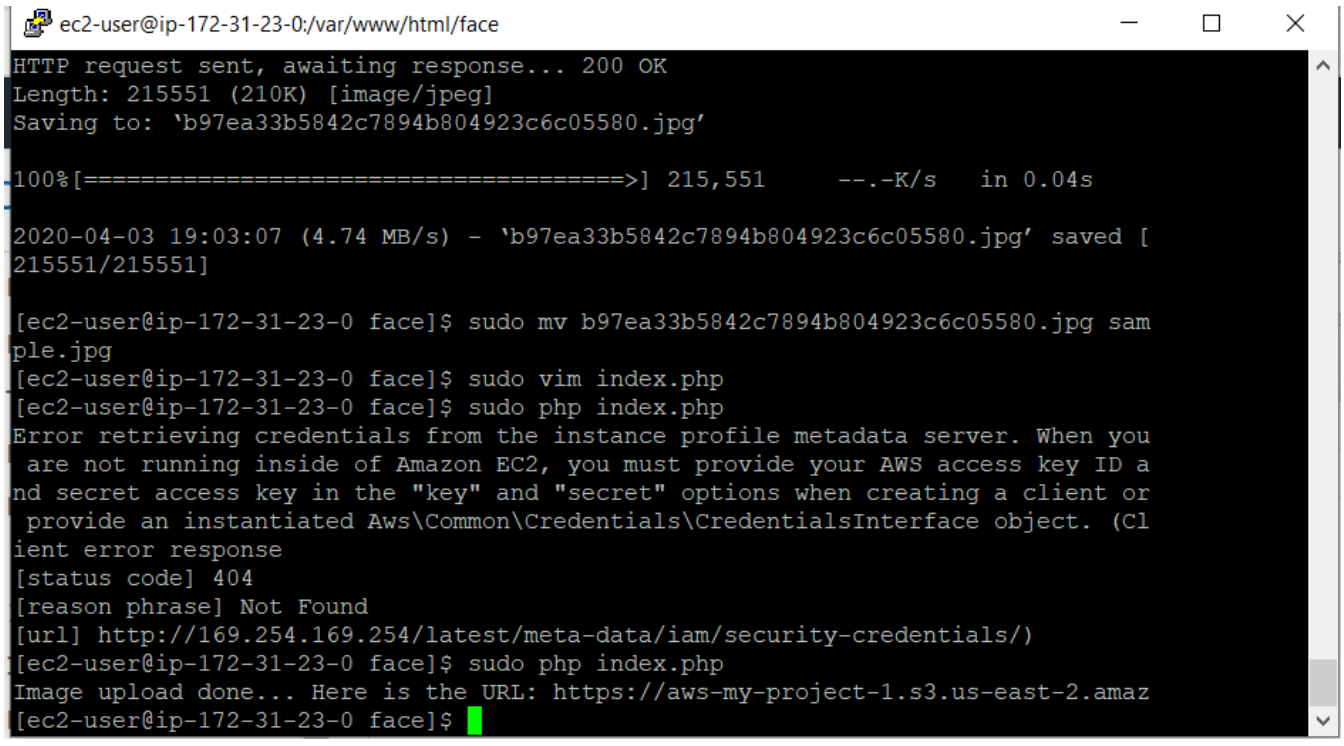


3. index.php file code



```
ec2-user@ip-172-31-23-0:/var/www/html/face
cd face
sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php

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/b97ea33b5842c7894b804923c6c05580.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 = 'aws-my-project-1';
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
        'profile'       => 'default',
        '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'
        ]);

    // Print the URL to the object.
        $imageUrl = $result['ObjectURL'];
        if($imageUrl) {
                echo "Image upload done... Here is the URL: " . $imageUrl;
        }
} catch (Exception $e) {
        echo $e->getMessage() . PHP_EOL;
~
~
-- INSERT --                                                    55,2          Bot
```

4. Upload Success screenshot



```
ec2-user@ip-172-31-23-0:/var/www/html/face
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: ‘b97ea33b5842c7894b804923c6c05580.jpg’

100%[======================================>] 215,551      --.-K/s   in 0.04s

2020-04-03 19:03:07 (4.74 MB/s) - ‘b97ea33b5842c7894b804923c6c05580.jpg’ saved [
215551/215551]

[ec2-user@ip-172-31-23-0 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg sam
ple.jpg
[ec2-user@ip-172-31-23-0 face]$ sudo vim index.php
[ec2-user@ip-172-31-23-0 face]$ sudo php index.php
Error retrieving credentials from the instance profile metadata server. When you
 are not running inside of Amazon EC2, you must provide your AWS access key ID a
nd secret access key in the "key" and "secret" options when creating a client or
 provide an instantiated Aws\Common\Credentials\CredentialsInterface object. (Cl
ient error response
[status code] 404
[reason phrase] Not Found
[url] http://169.254.169.254/latest/meta-data/iam/security-credentials/)
[ec2-user@ip-172-31-23-0 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-my-project-1.s3.us-east-2.amaz
[ec2-user@ip-172-31-23-0 face]$
```

EC2 and Rekognition:

1. Face Detect Success Screenshot