

FACE DETECTION APP ON AWS PART-4

- Index.php File for Face Detect

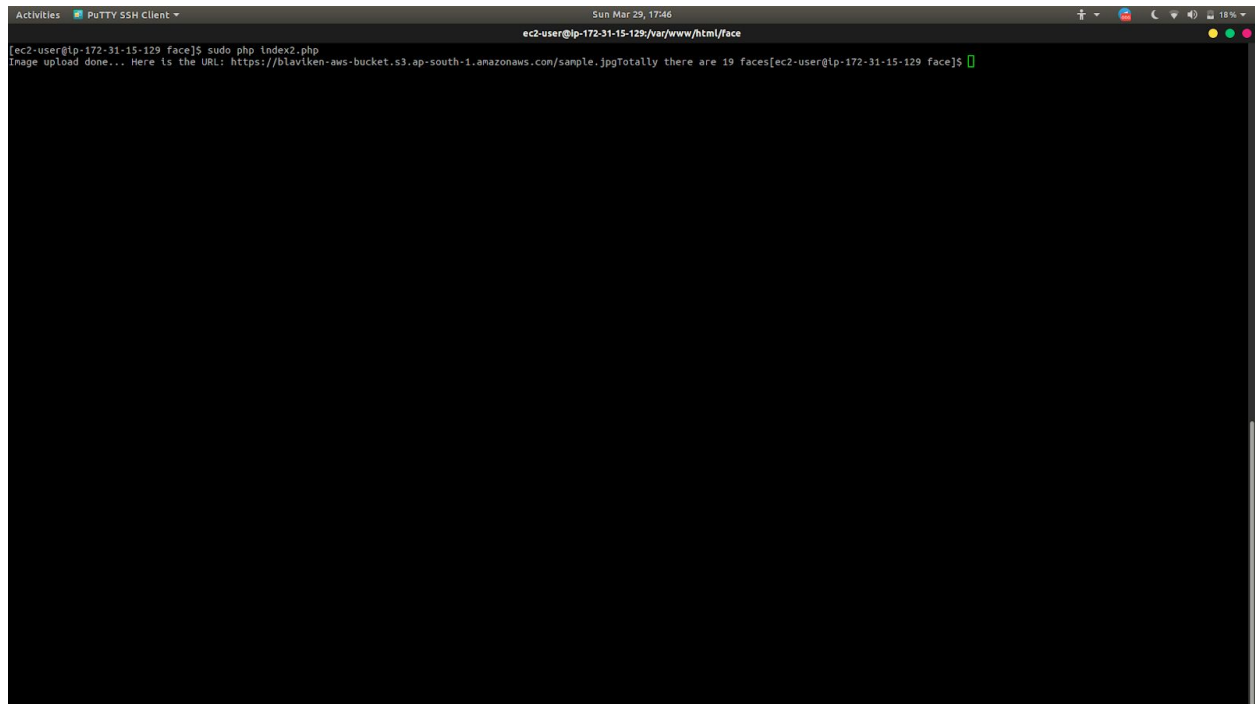
```
Activities Text Editor Mon Mar 30, 19:39
Index.php
~/Downloads/Telegram Desktop
Save

1 <?php
2
3 /*
4
5 Install php - sudo yum install php
6 curl -sS https://getcomposer.org/installer | php
7 cd /var/www/html
8 sudo mkdir face
9 cd face
10 sudo php -d memory_limit=1 ~/composer.phar require aws/aws-sdk-php
11
12 In case if you get memory error -
13 sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
14 sudo /sbin/mkswap /var/swap.1
15 sudo /sbin/swapon /var/swap.1
16
17 sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c85580.jpg
18 sudo mv b97ea33b5842c7894b804923c6c85580.jpg sample.jpg
19
20 In case if you are getting any class NOT found error, follow these steps
21
22 sudo yum remove php*
23 sudo yum remove httpd*
24 sudo yum clean all
25 sudo yum upgrade -y
26 sudo amazon-linux-extras install php7.2
27 sudo yum install php-json php-xml php-cli php-mbstring
28 sudo yum install httpd
29
30 */
31 error_reporting(0);
32
33 require_once(__DIR__ . '/vendor/autoload.php');
34
35 use Aws\S3\S3Client;
36 use Aws\Rekognition\RekognitionClient;
37
38
39 $bucket = 'blaviken-aws-bucket';
40 $keyname = 'sample.jpg';
41
42 $s3 = new S3Client([
43     'region' => 'ap-south-1',
44     'version' => '2006-03-01',
45     'signature' => 'v4'
46 ]);
```

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45     'signature' => 'v4'
46 ]);
47
48 try {
49     // Upload data.
50     $result = $s3->putObject([
51         'Bucket' => $bucket,
52         'Key' => $keyname,
53         'SourceFile' => __DIR__ . "/" . $keyname,
54         'ACL' => 'public-read-write'
55     ]);
56
57     // Print the URL to the object.
58     $imageUrl = $result['ObjectURL'];
59     if($imageUrl) {
60         echo "Image upload done... Here is the URL: " . $imageUrl;
61
62         $rekognition = new RekognitionClient([
63             'region' => 'ap-south-1',
64             'version' => '2006-03-01',
65         ]);
66
67         $result = $rekognition->detectFaces([
68             'Attributes' => ['DEFAULT'],
69             'Image' => [
70                 'S3Object' => [
71                     'Bucket' => $bucket,
72                     'Name' => $keyname,
73                     'Key' => $keyname,
74                 ],
75             ],
76         ]);
77
78         echo "Totally there are " . count($result['FaceDetails']) . " faces";
79     }
80 } catch (Exception $e) {
81     echo $e->getMessage() . PHP_EOL;
82 }
```

- **Face Detect**



The screenshot shows a terminal window titled "Activities" and "PuTTY SSH Client". The terminal prompt is `ec2-user@ip-172-31-15-129: /var/www/html/face`. The user has executed the command `sudo php index2.php`. The output of the script is: `Image upload done... Here is the URL: https://blaviken-aws-bucket.s3.ap-south-1.amazonaws.com/sample.jpgTotally there are 19 faces`. The terminal window has a dark background and a light-colored text.

```
ec2-user@ip-172-31-15-129: /var/www/html/face
[ec2-user@ip-172-31-15-129 face]$ sudo php index2.php
Image upload done... Here is the URL: https://blaviken-aws-bucket.s3.ap-south-1.amazonaws.com/sample.jpgTotally there are 19 faces[ec2-user@ip-172-31-15-129 face]$
```