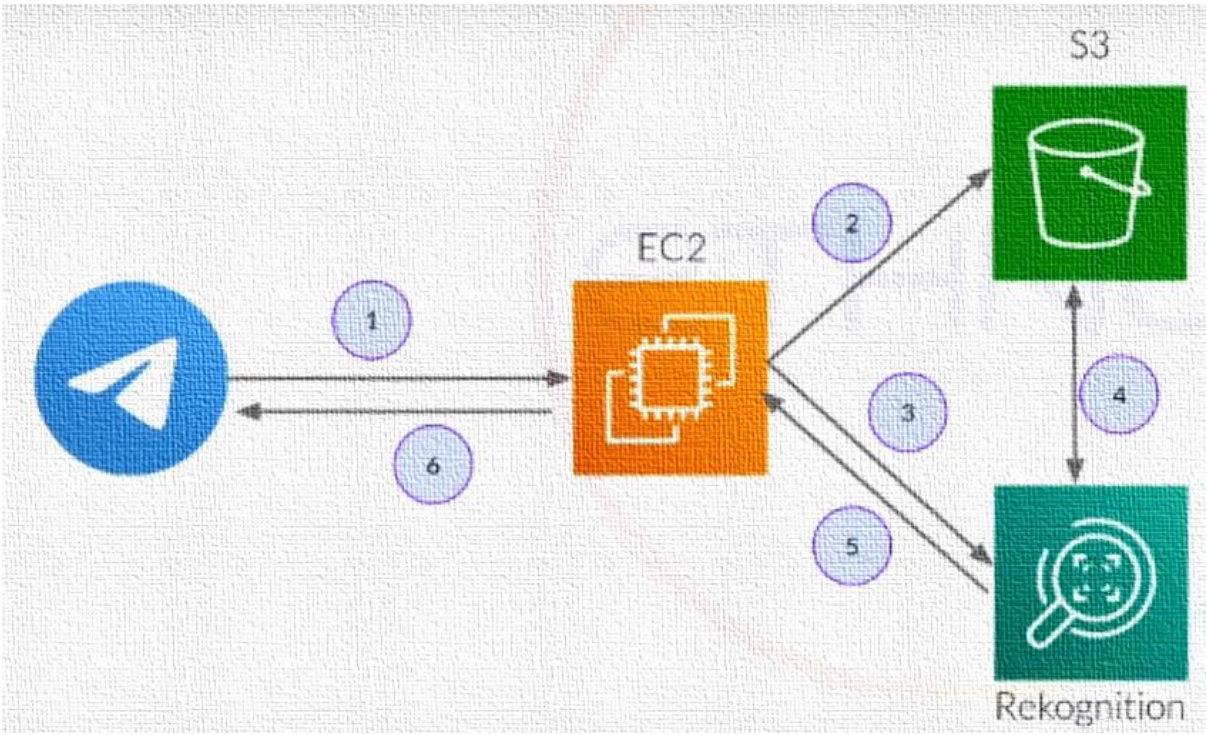
Face Detection using Amazon Web Services

Services Used to build the application:

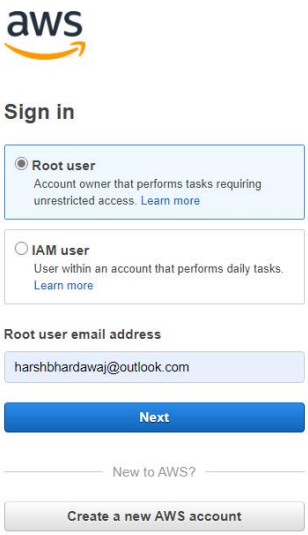
1. EC2 – Elastic Compute Cloud
2. S3 – Simple Storage Service
3. Rekognition
4. Telegram Bot

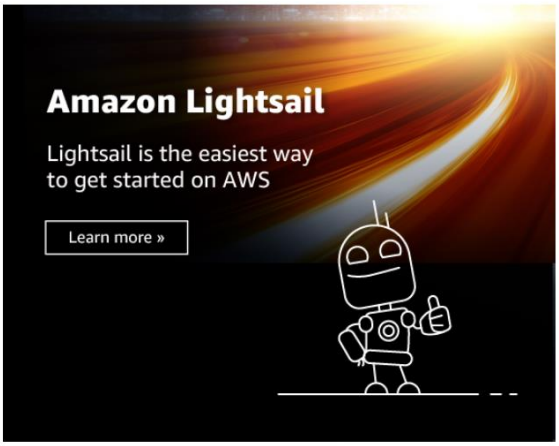
Application Architecture:

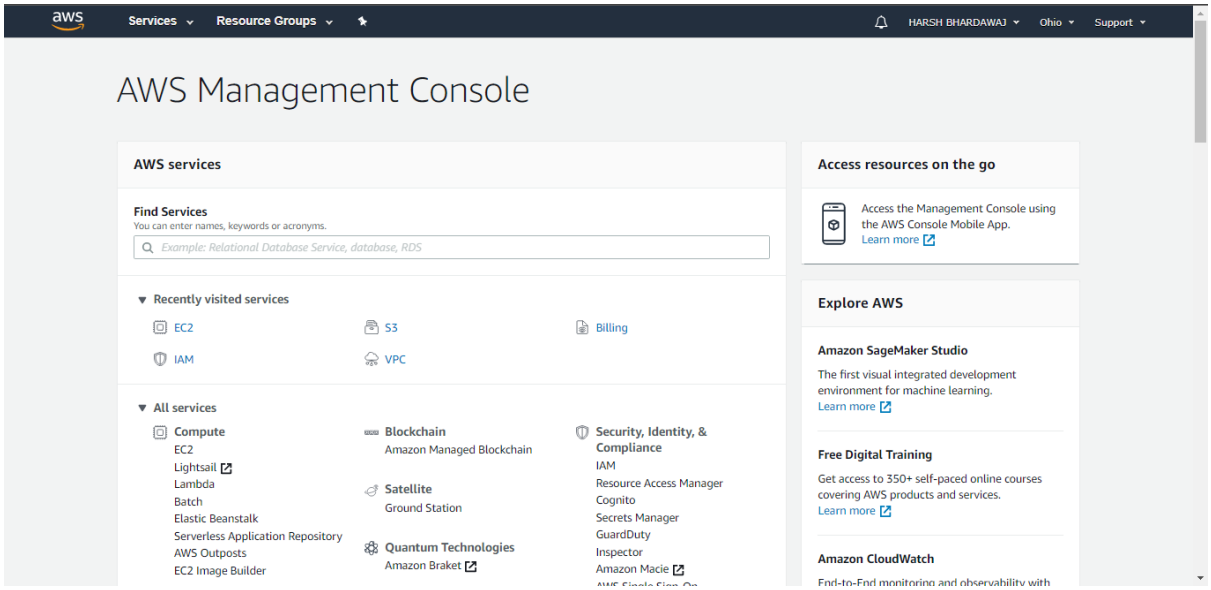


Dashboard Screenshots for all the used Services:

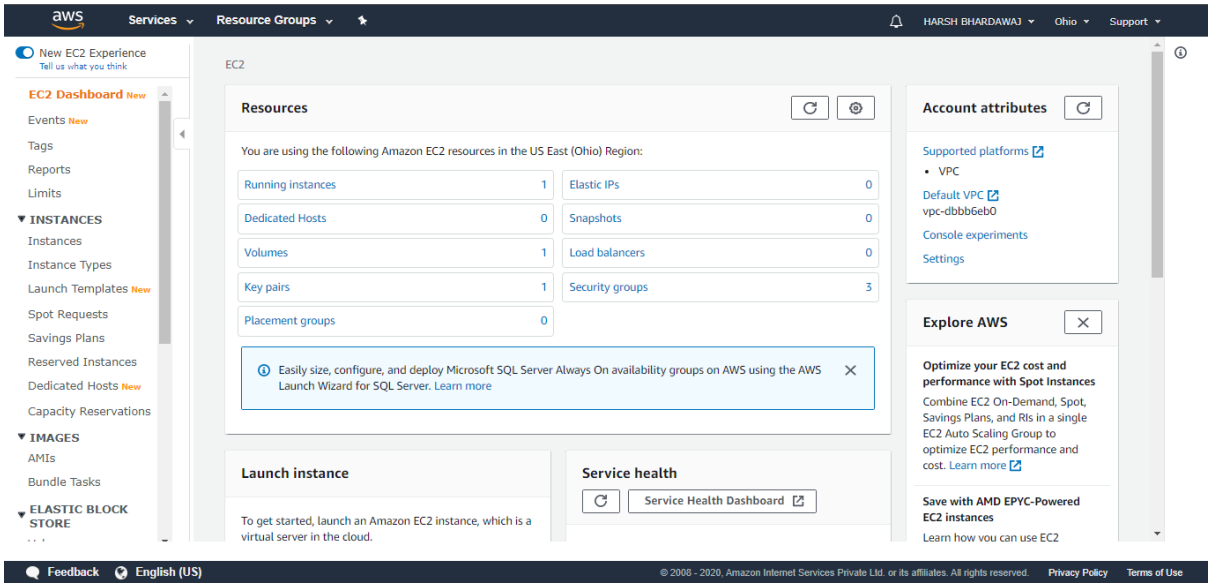
a) AWS Login screen with username:



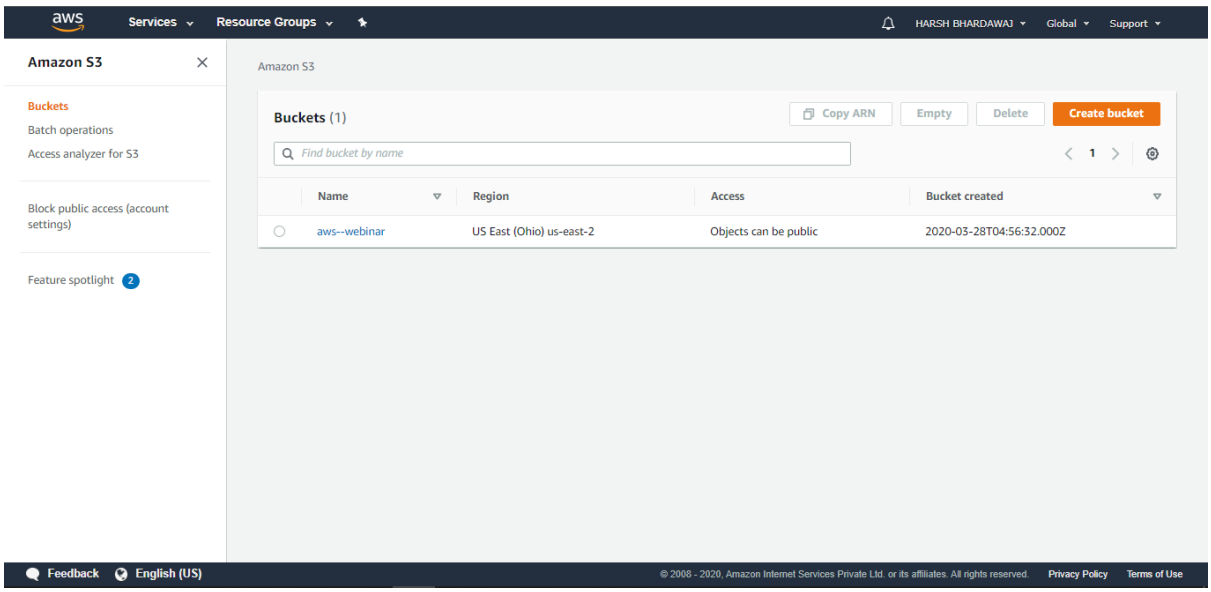




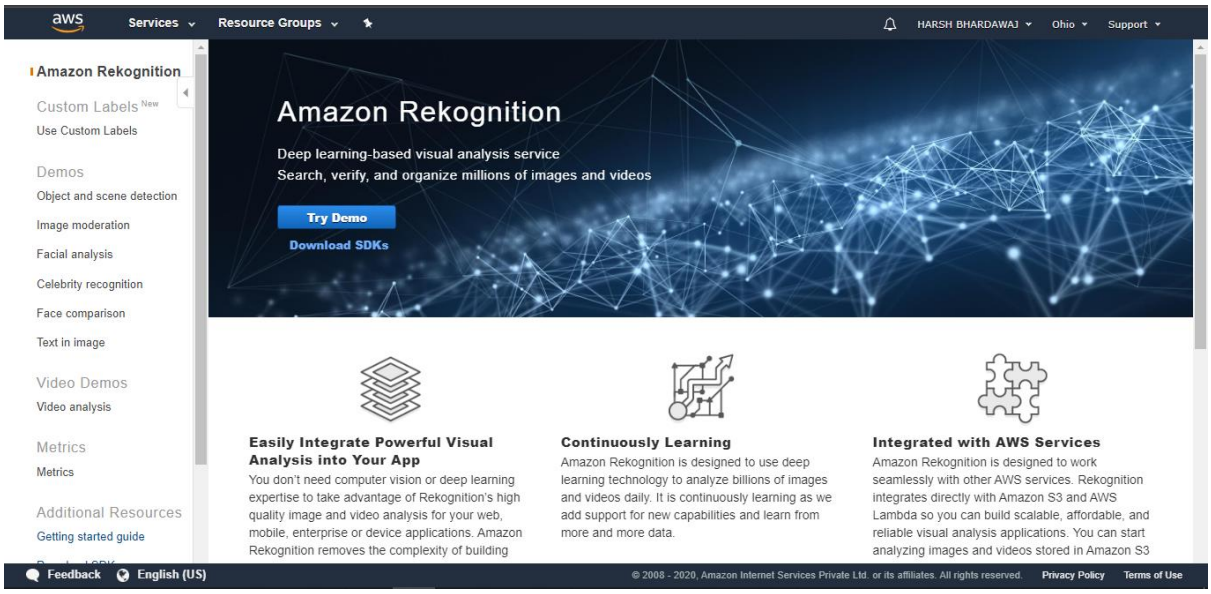
b) EC2 Dashboard:



c) S3 Dashboard:

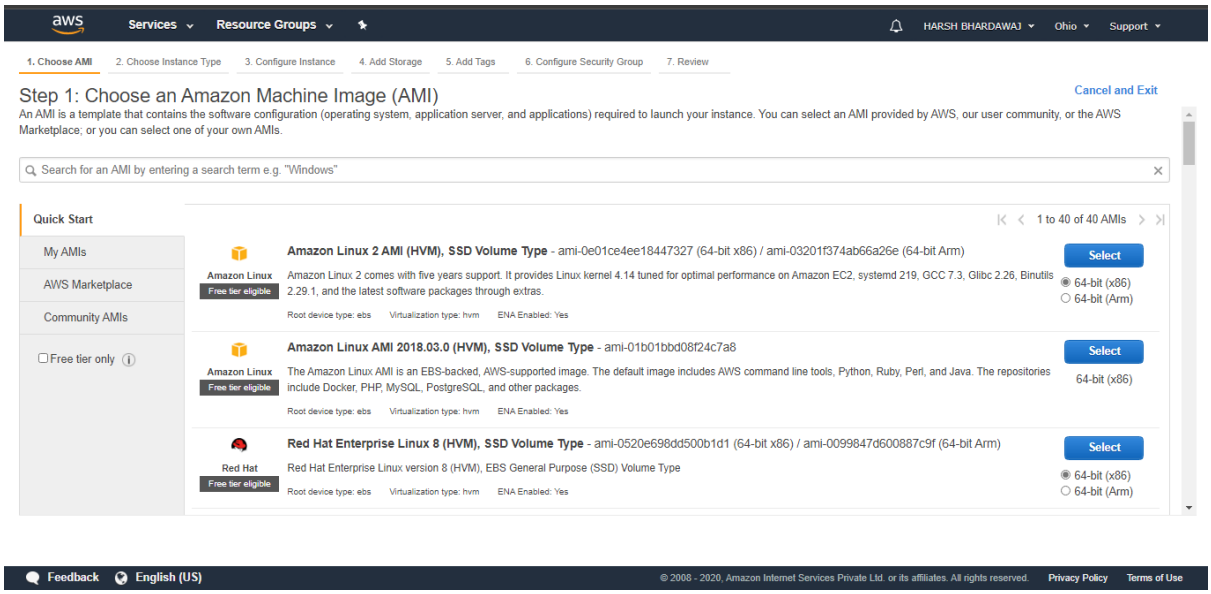


d) Rekognition Dashboard:

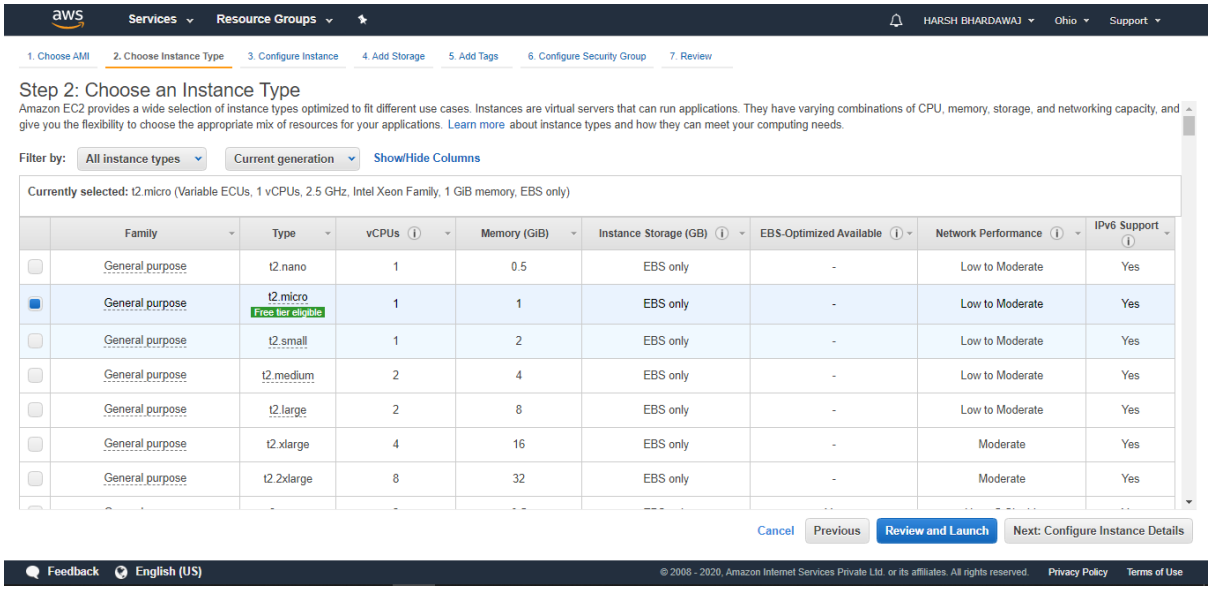


EC2 Configuration Screenshots:

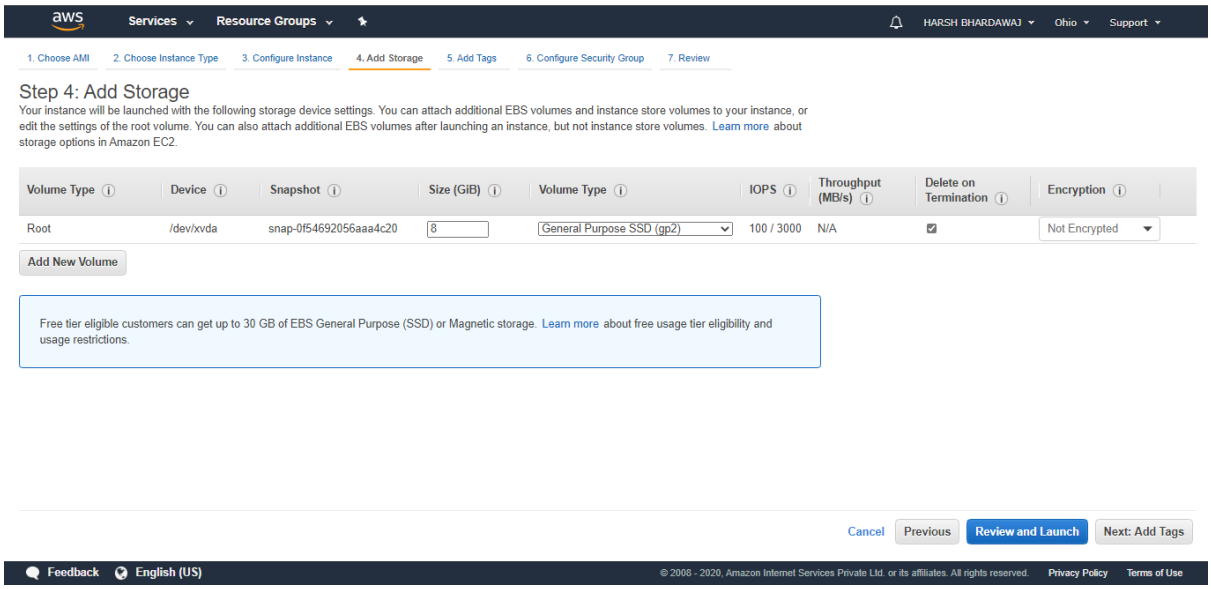
a) Choosing an AMI:



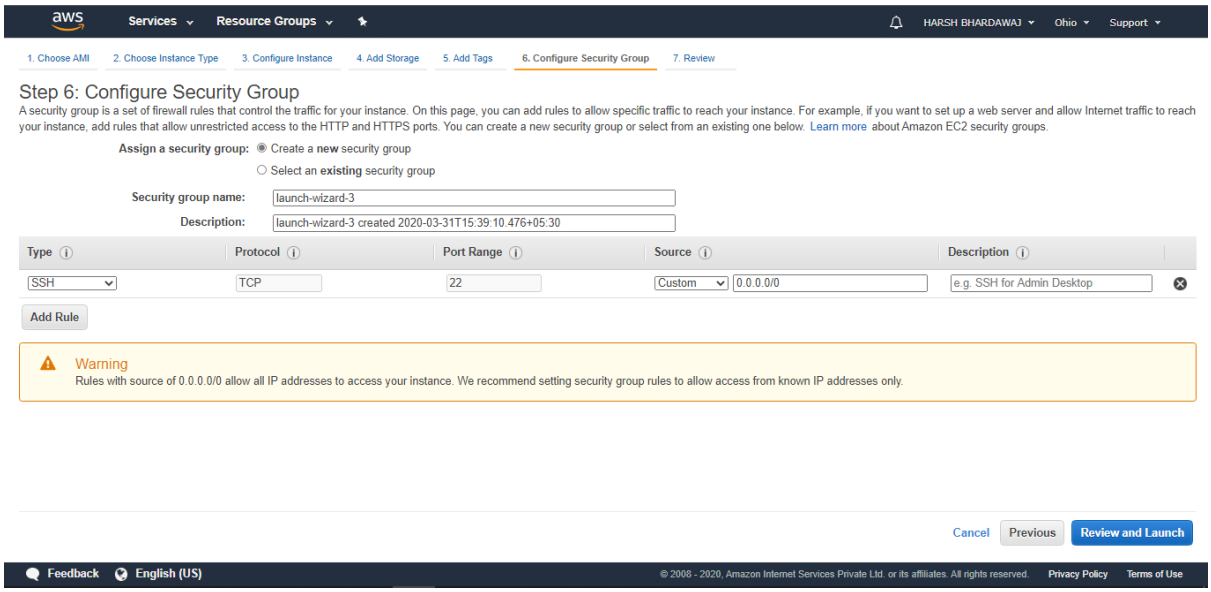
b) Choosing an instance Type:



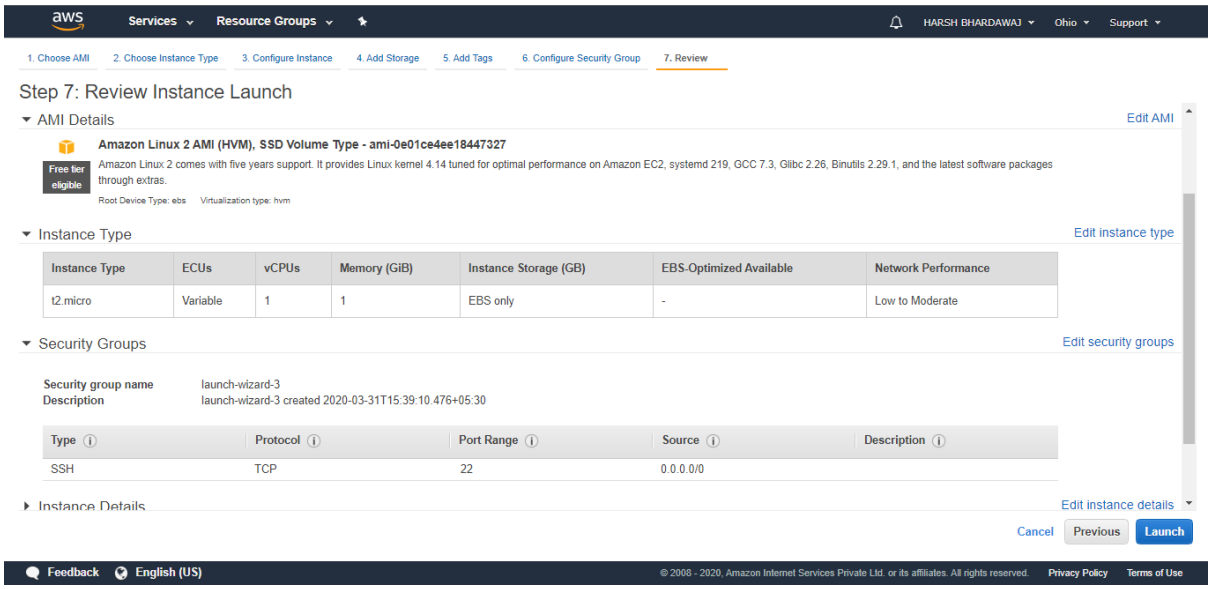
c) Adding Storage:



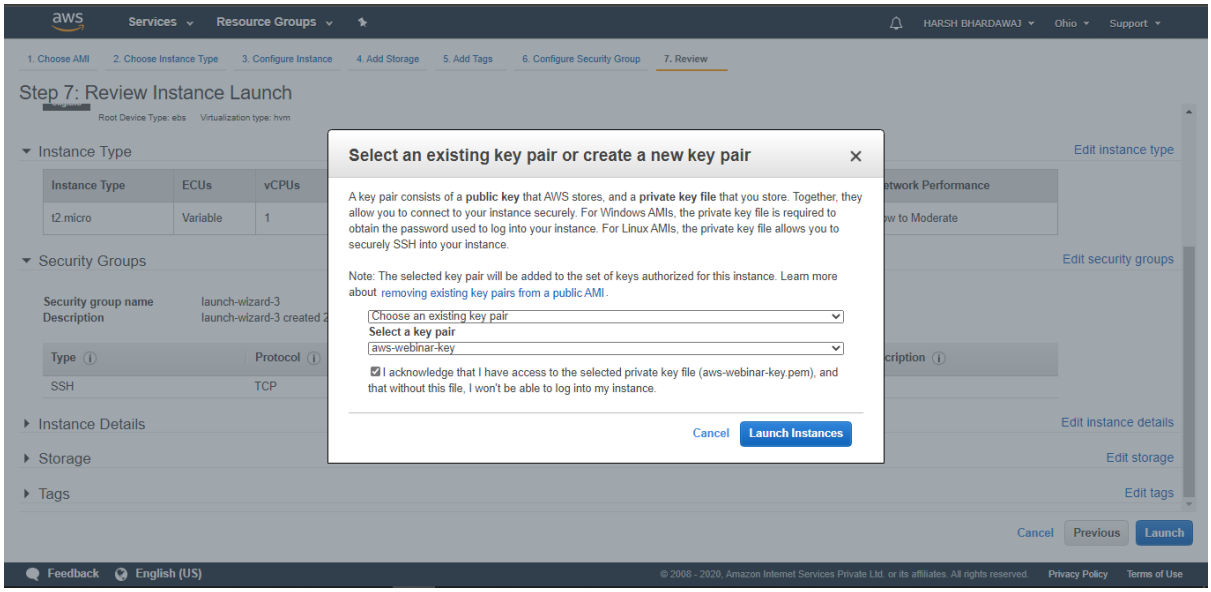
d) Configure Security Group:



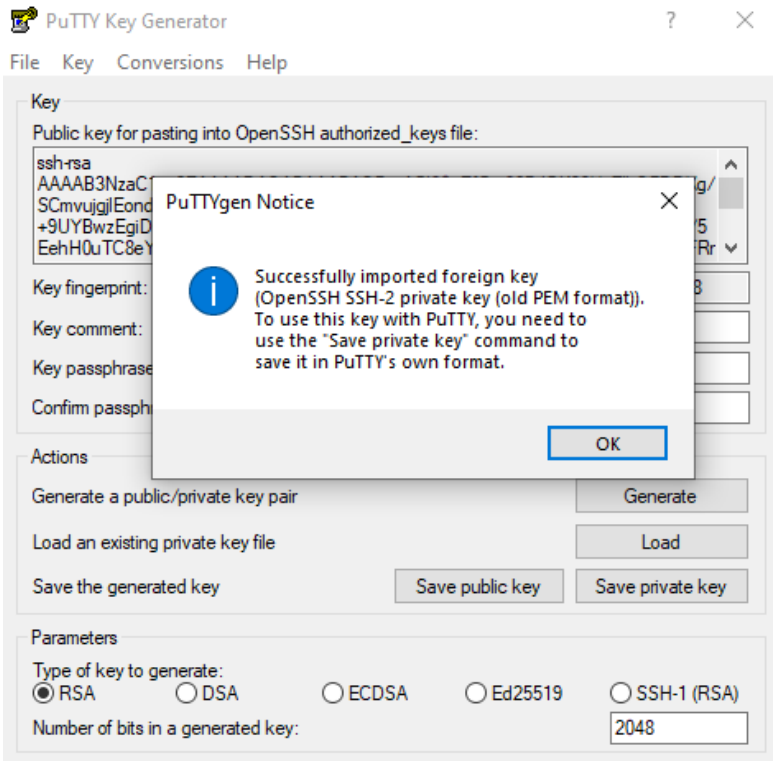
e) Review of Instance Launch:



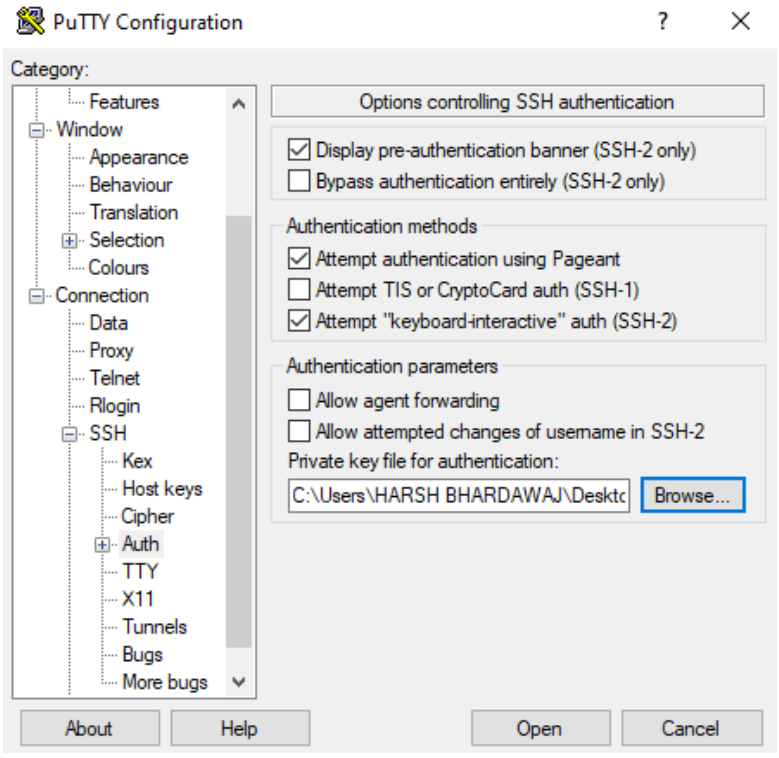
f) Selecting/Downloading a key Pair:



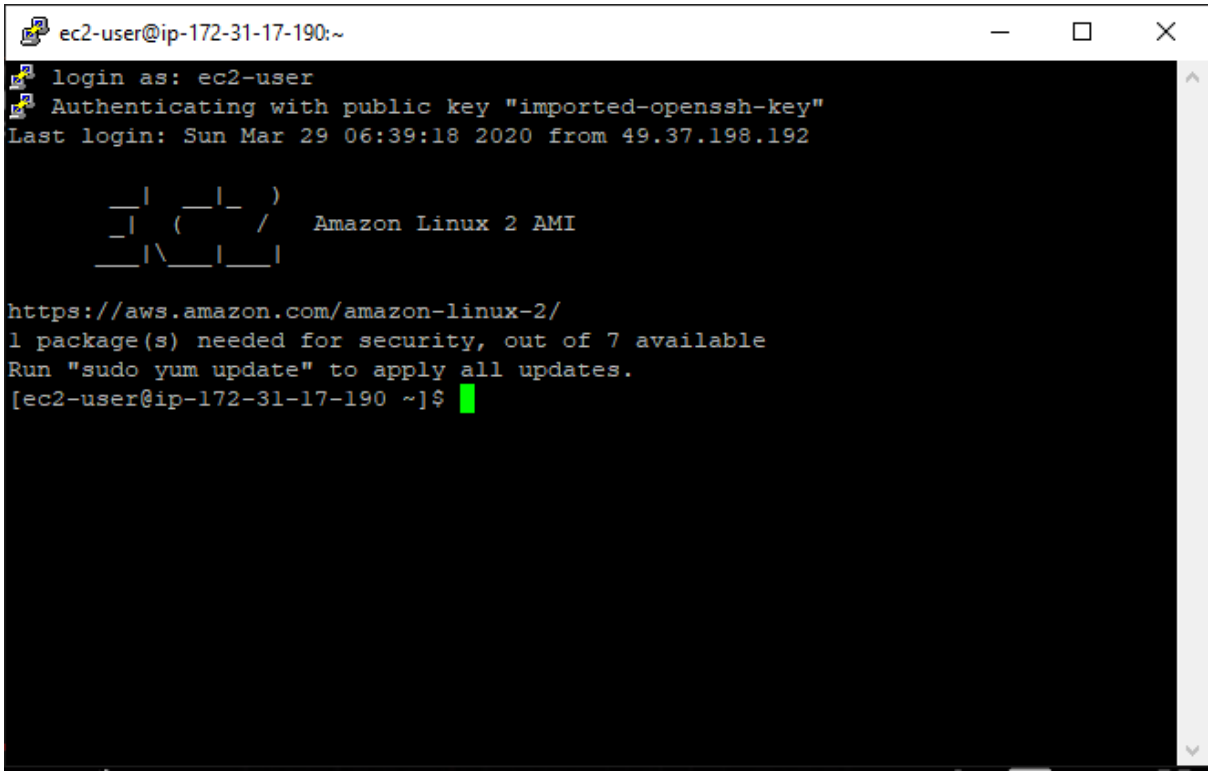
g) Puttygen Conversion of key from pem to ppk format:



h) Remotely Accessing EC2 using private key:

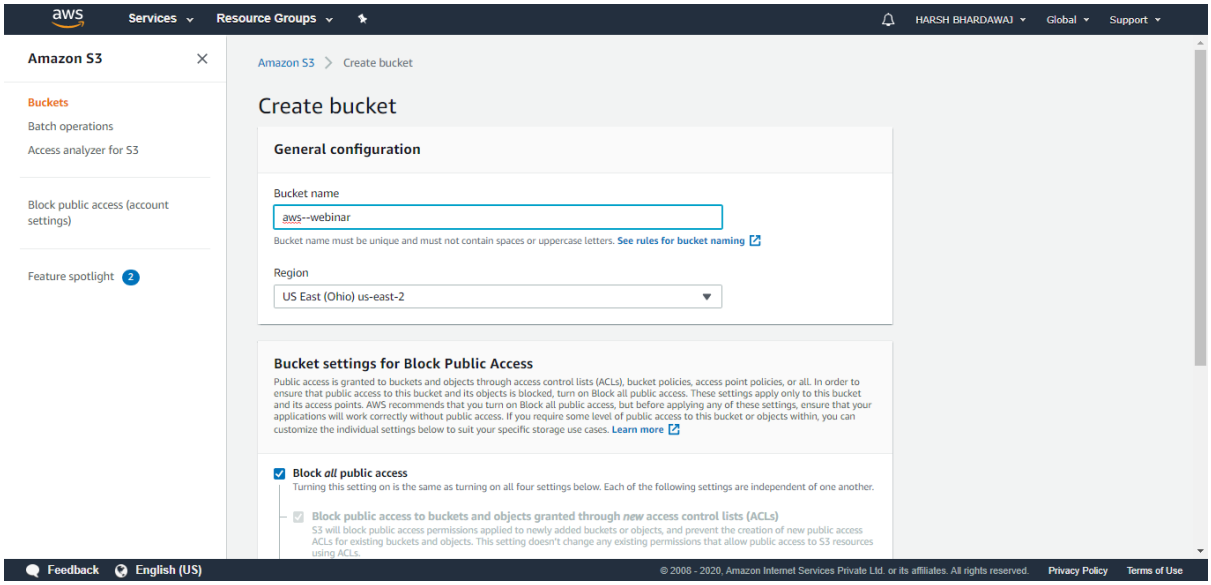


i) Logged in EC2 Screen:

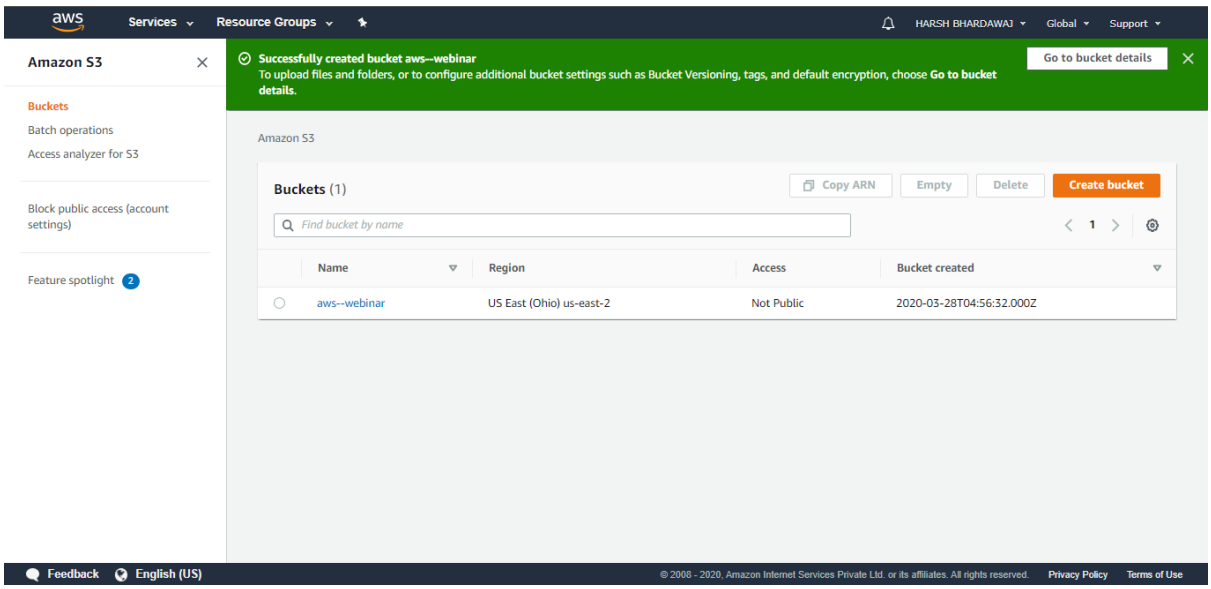


S3 Configuration Screenshots:

a) Creating a Bucket:

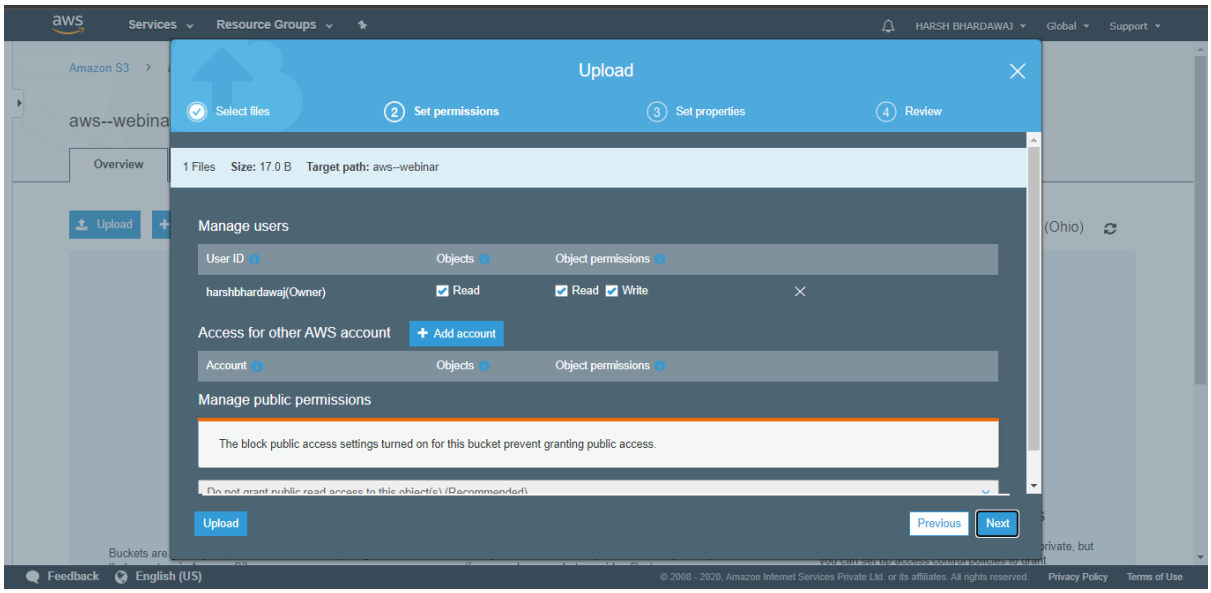


b) Successful Bucket Creation:

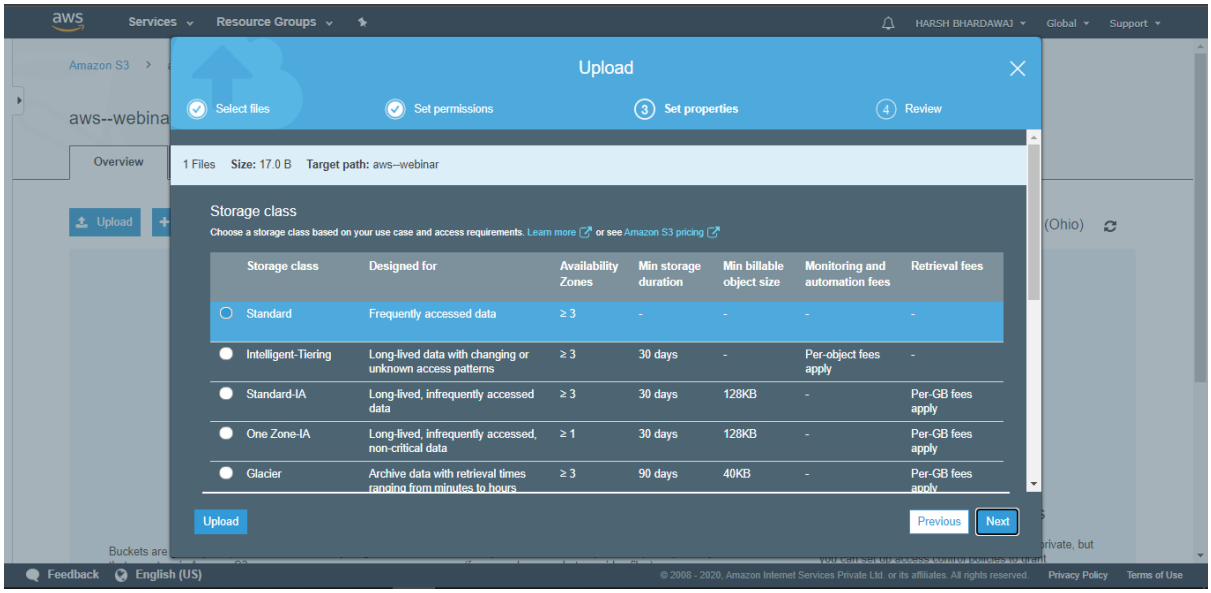


c) Uploading an object:

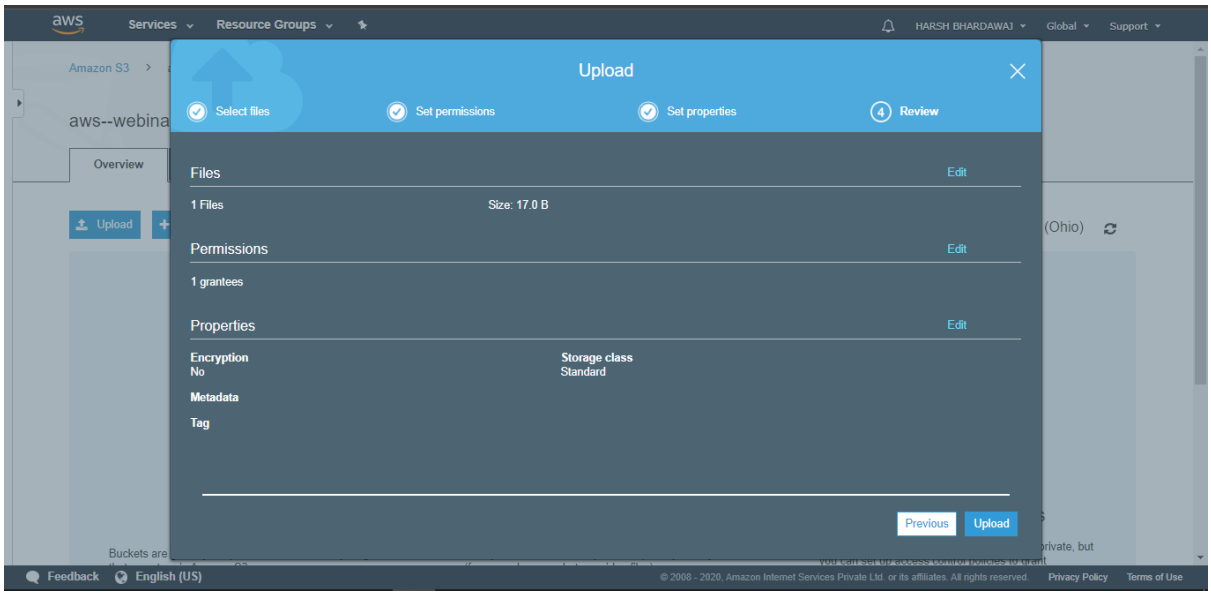
Step i: Selecting a file:



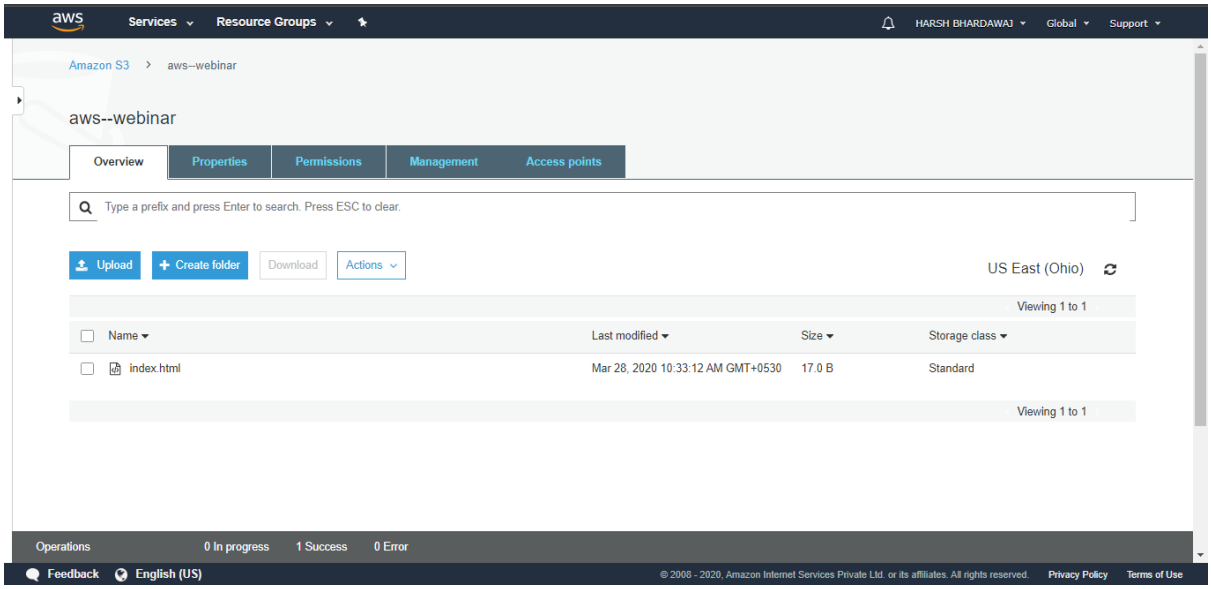
Step ii: Selecting a storage class:



Step iii: Review of upload:

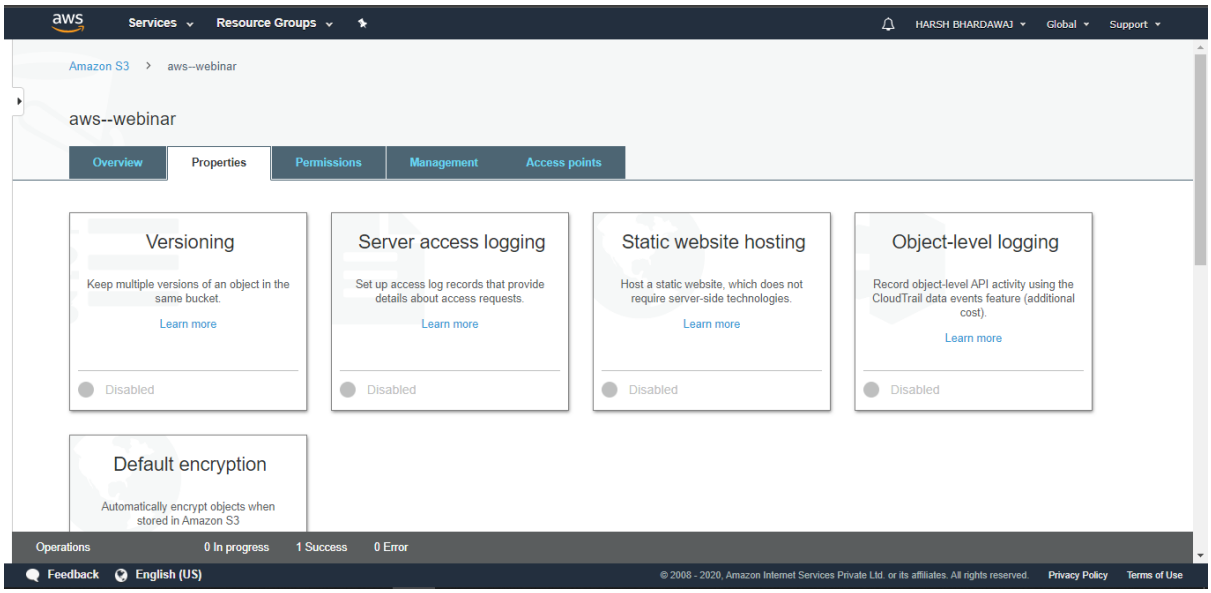


Step iv: After Uploading the Object:

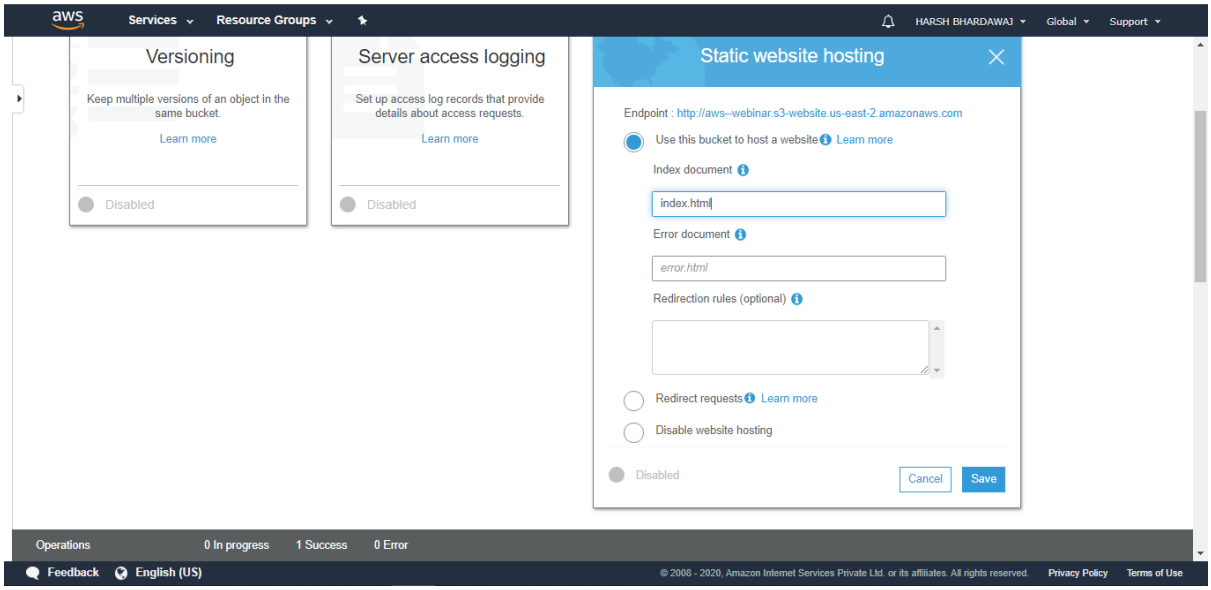


d) Enabling Static Website:

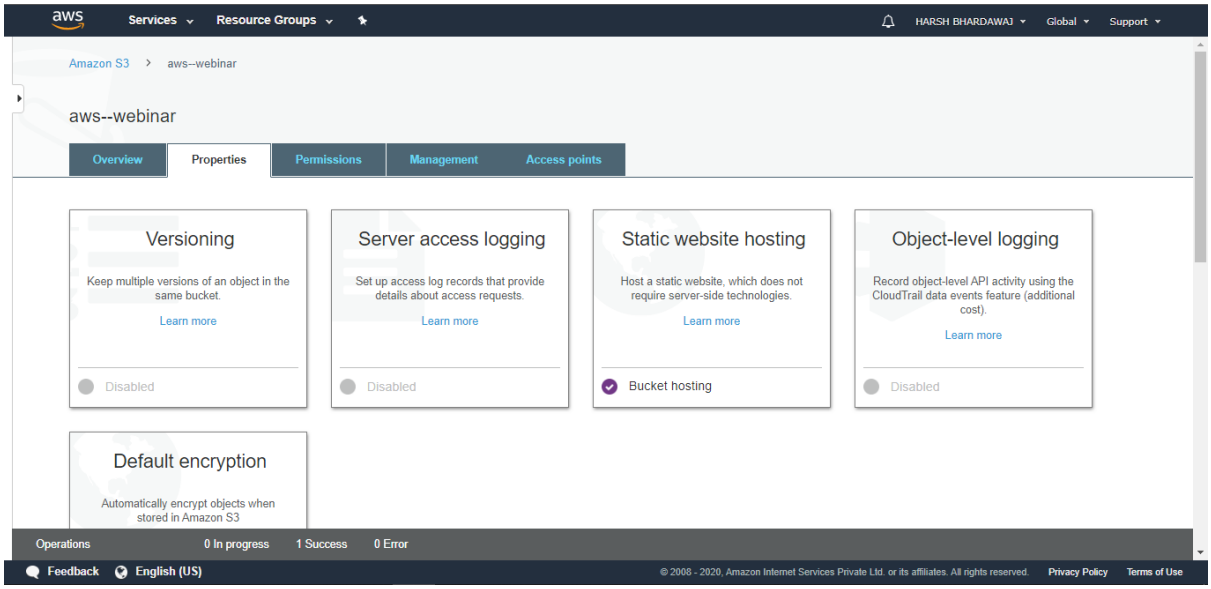
Step i: Properties of bucket created:



Step ii: Static website hosting:

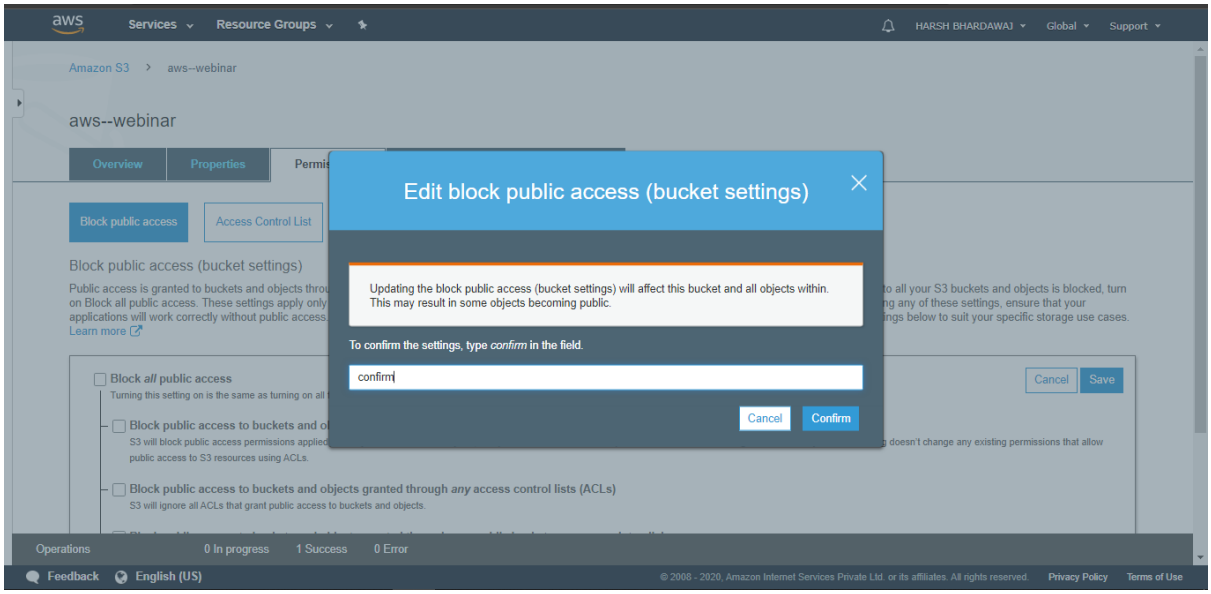


Step iii: Enabled Bucket hosting:

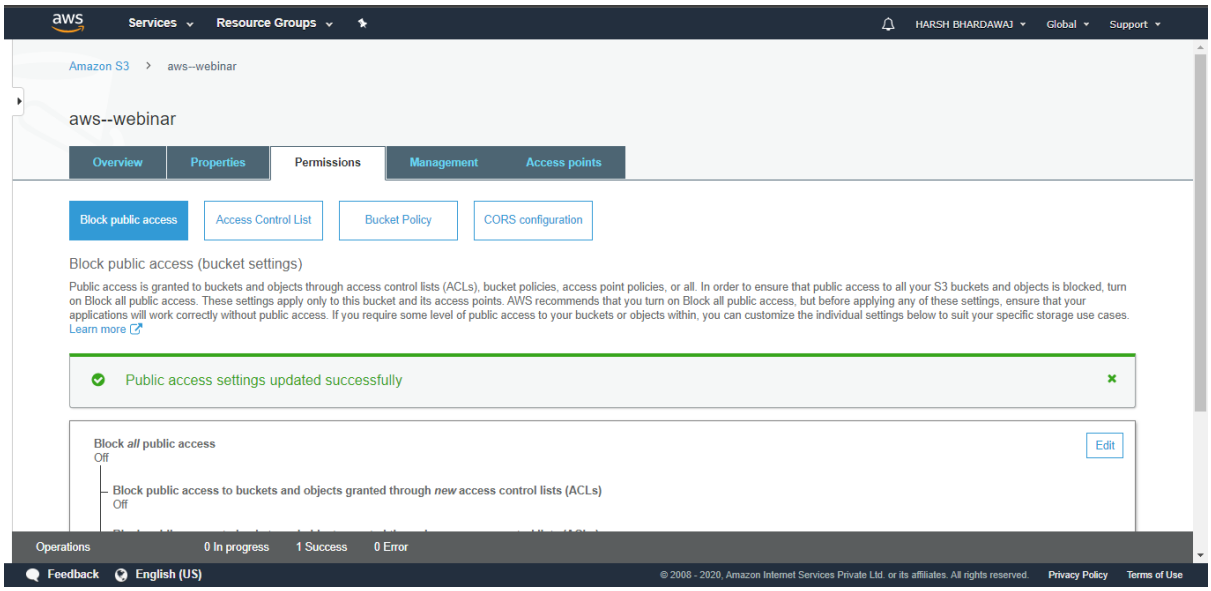


e) Making the Object Public:

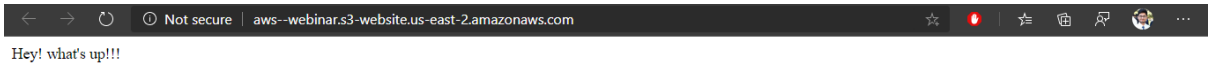
Step i: Disabling Public block:



Step ii: Successfully updated the public block permission:



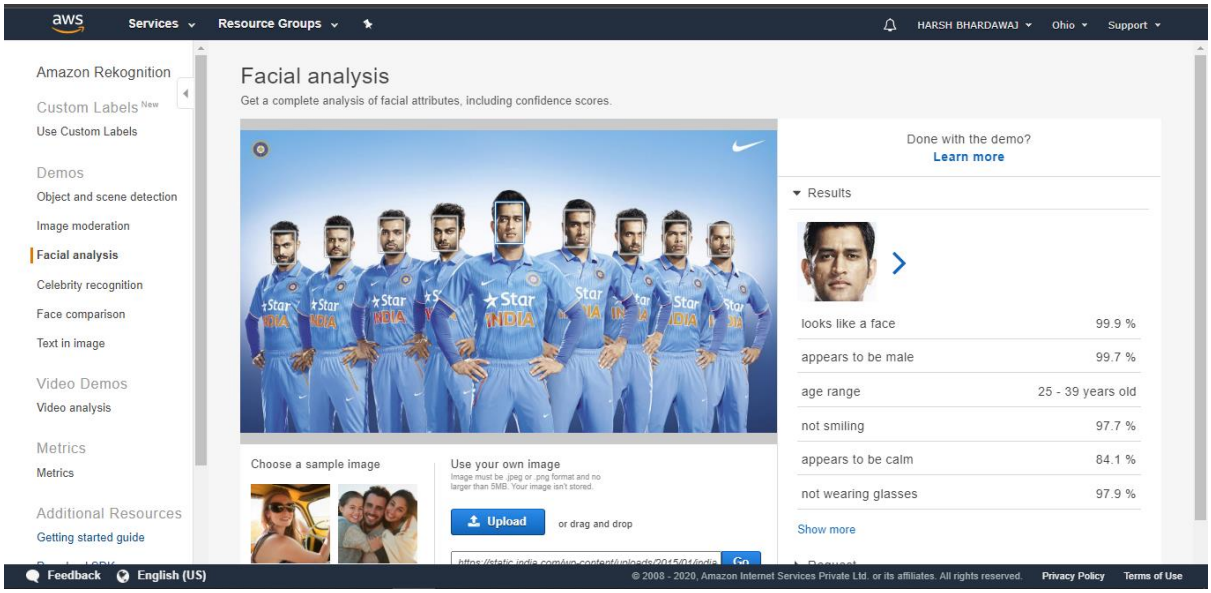
f) <u>Checking the S3 Link on the Browser:</u>



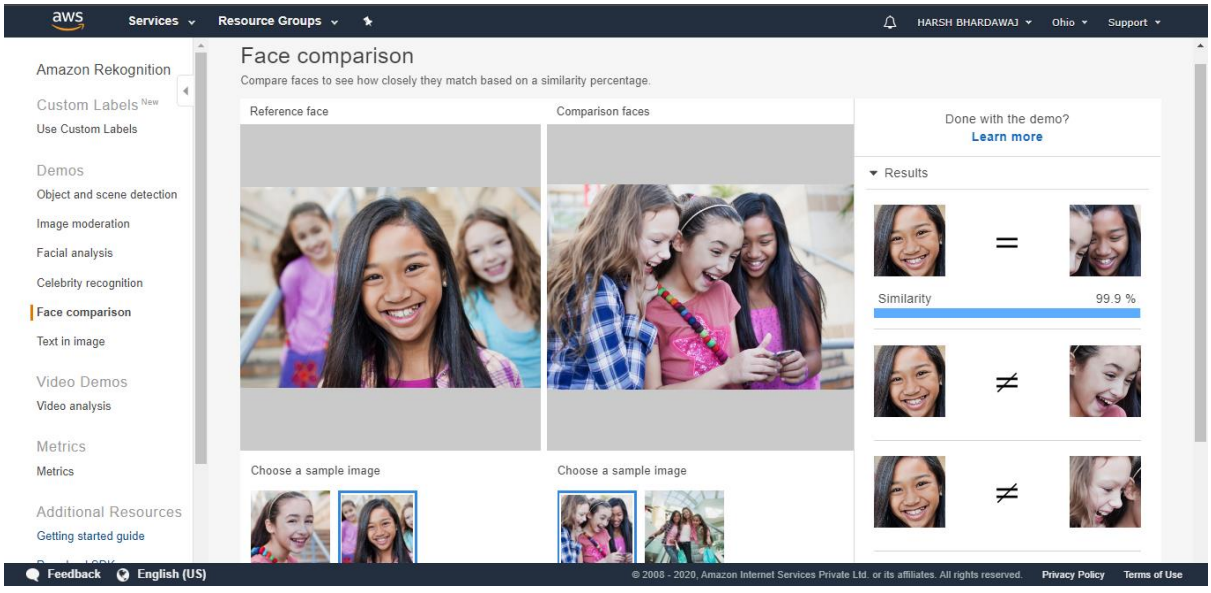
Hey! what's up!!!

Rekognition Screenshots:

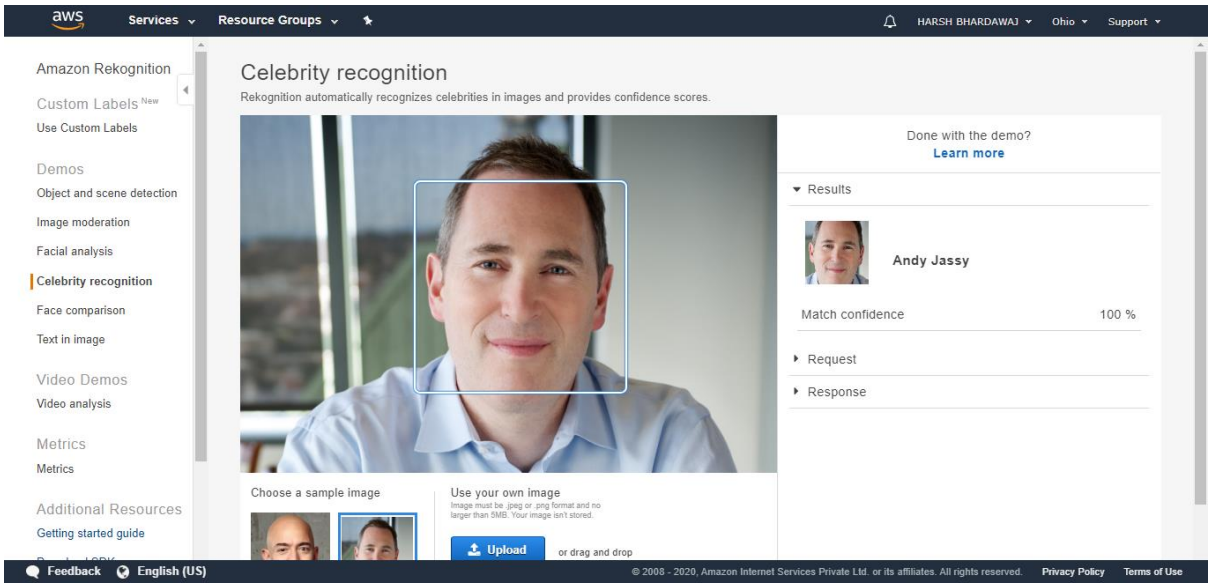
a) Face Detect:



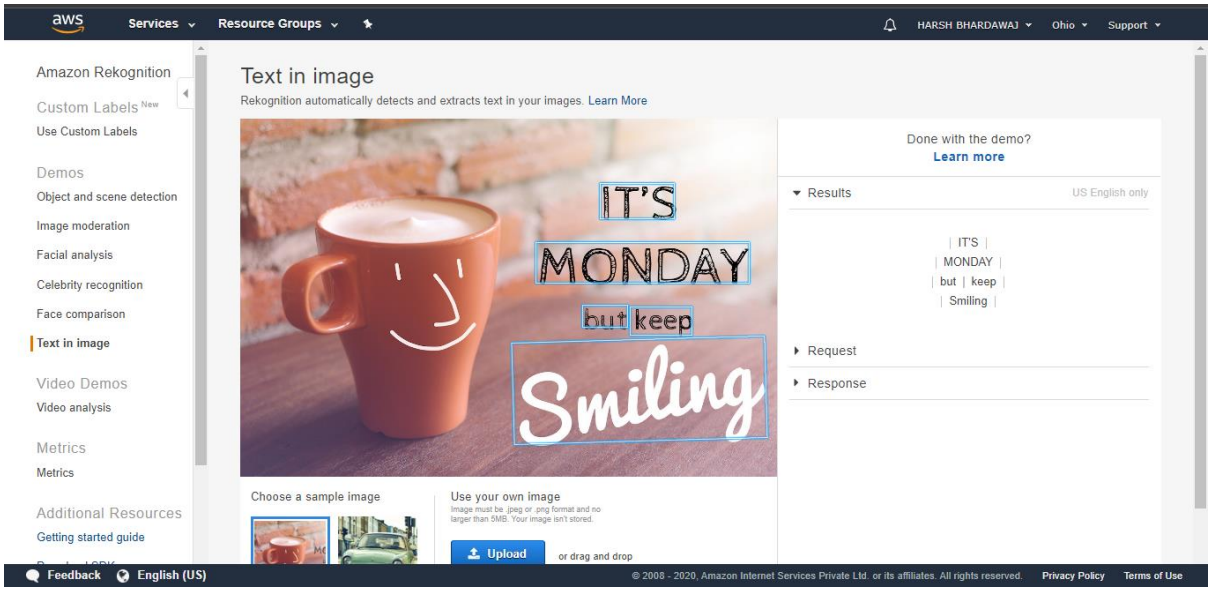
b) Face Compare:



c) Celebrity Recognition:

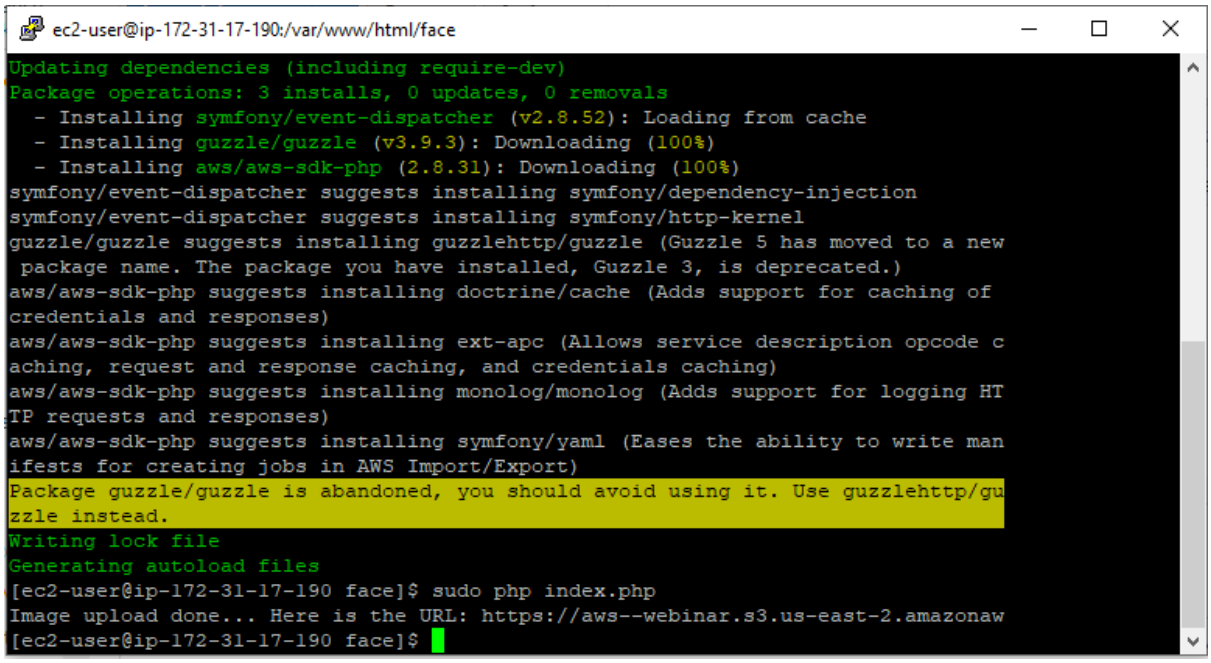


d) Text In Image:

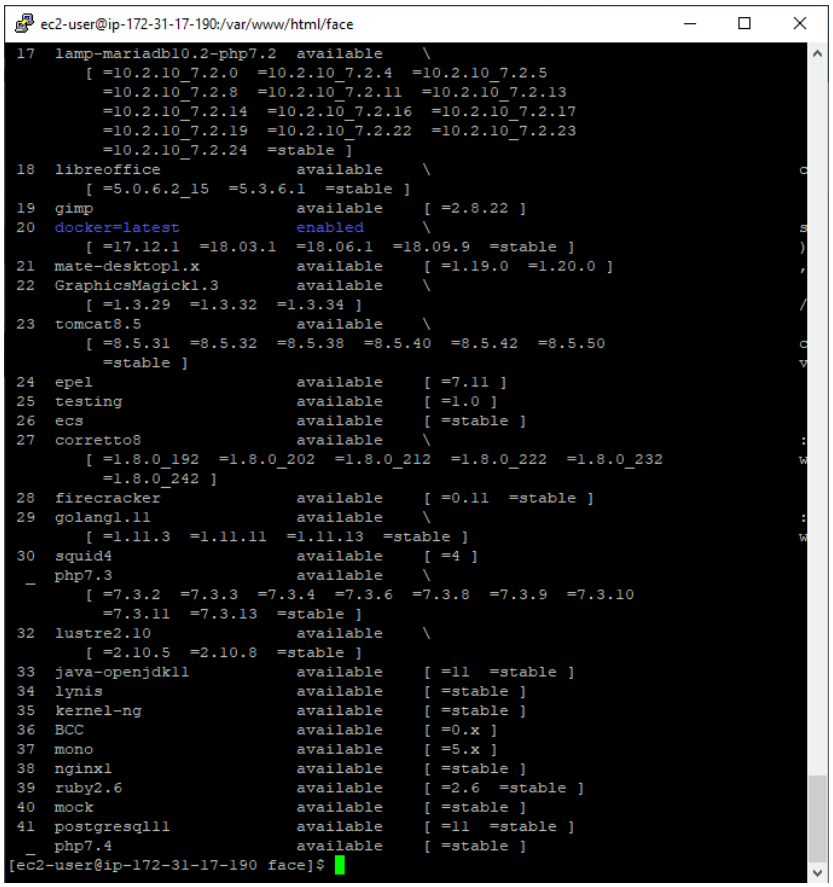


EC2 & S3 Configuration Screenshots:

a) Installing AWS-SDK:



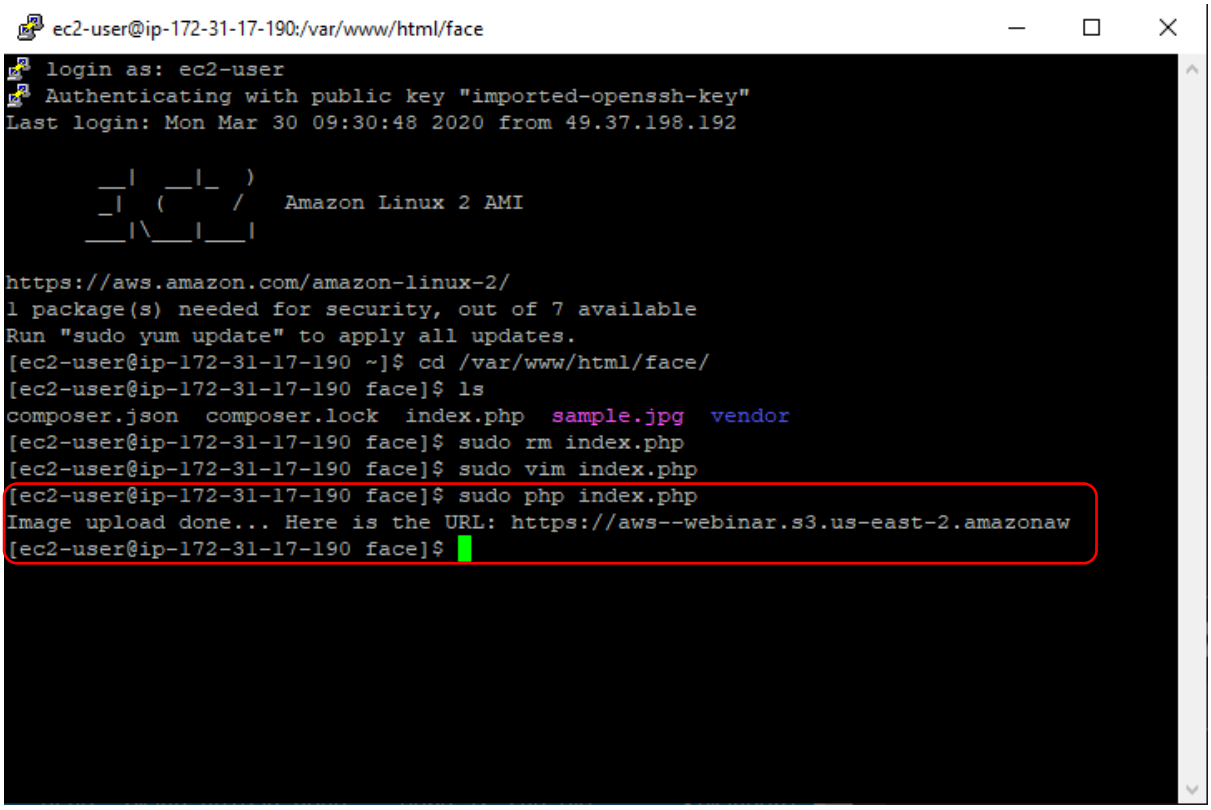
b) Installing PHP:



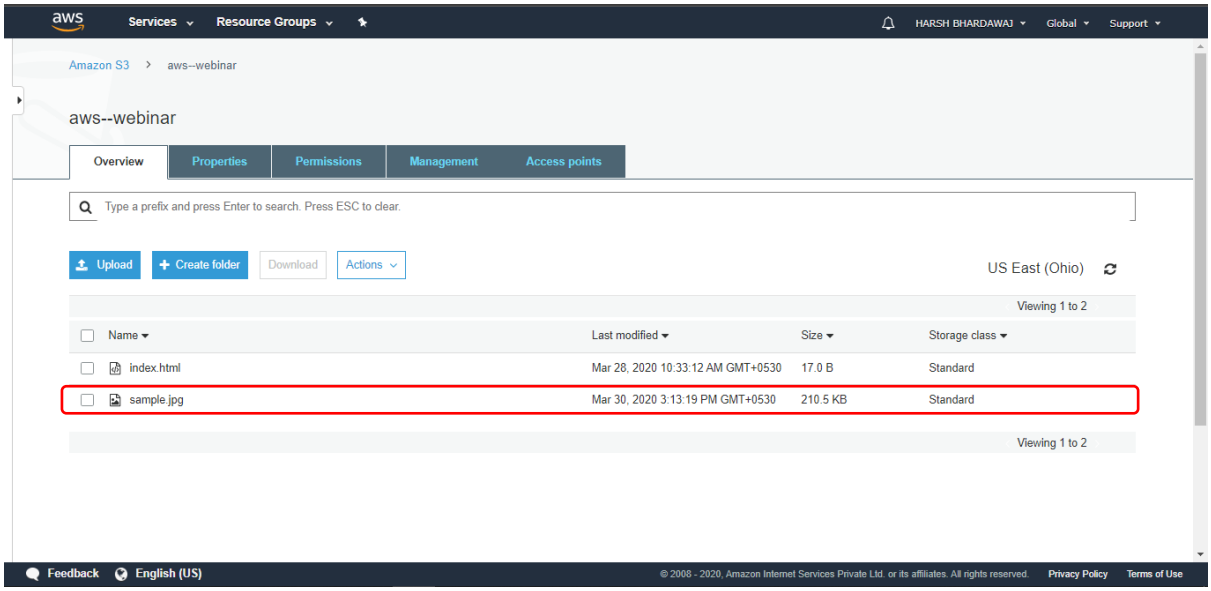
c) Index.php File Code:

d) Image Upload to S3:

Step i: Image Upload Successful:



Step ii: Uploaded Image in S3:



EC2 & Rekognition:

a) Face Detect Screenshot: