

CLOUD COMPUTING – PROJECT 1

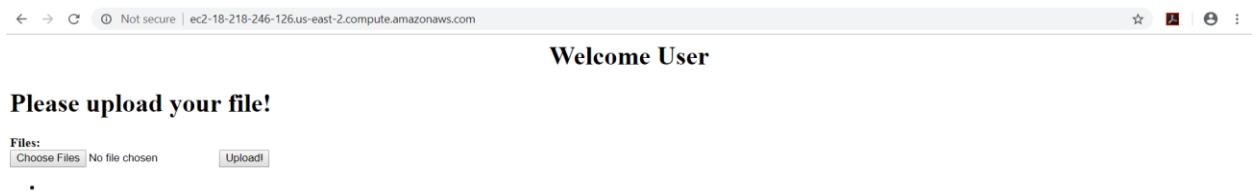
NIDHI AMINHA

M12951591

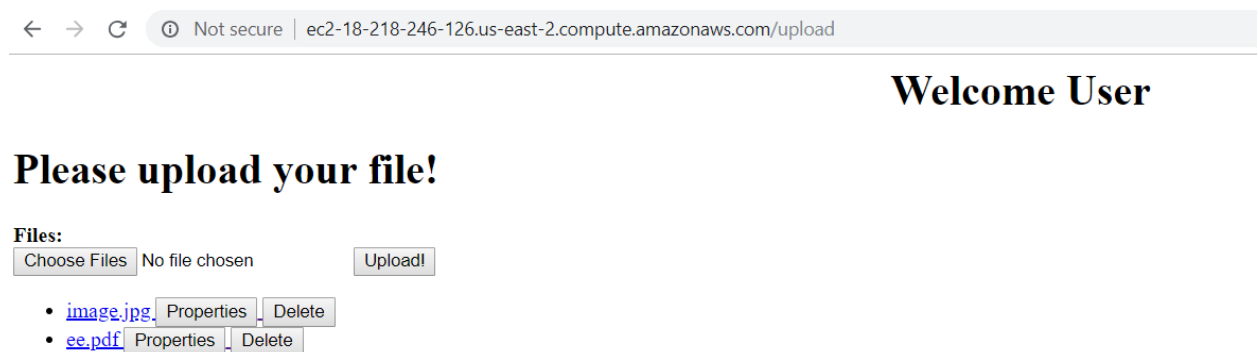
The Link to the Amazon EC2 Instance is-

<http://ec2-18-218-246-126.us-east-2.compute.amazonaws.com/>

1. The Web Server was configured using Flask and renders the following homepage.



2. Either an image file (.png , .jpg , .jpeg) or a pdf file can be uploaded. They can be viewed by clicking on the file name. No other file formats are supported. No file greater than 2mb is supported.



3. The properties of the image file can be checked by clicking on the properties button. They can be compared and verified with the ones in the Hadoop server.

```
login as: aminhani
Using keyboard-interactive authentication.
Password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.4.0-134-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

48 packages can be updated.
40 updates are security updates.

New release '18.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Sep 17 01:14:43 2018 from 10.24.144.39
aminhani@hadoop-gate-0:~$ ls
file1.py  name.txt  project.py  uploads
aminhani@hadoop-gate-0:~$ cd uploads/
aminhani@hadoop-gate-0:~/uploads$ ls
ee.pdf  image.jpg
aminhani@hadoop-gate-0:~/uploads$ file image.jpg
image.jpg: JPEG image data, JFIF standard 1.01, resolution (DPI), density 300x300, segment length 16, comment: "File source: http://commons.wikimedia.org/wiki/File:Flower_pos", baseline, precision 8, 800x1064, frames 3
aminhani@hadoop-gate-0:~/uploads$

aminhani@hadoop-gate-0:~/uploads$ stat image.jpg
  File: 'image.jpg'
  Size: 206727      Blocks: 408       IO Block: 4096   regular file
Device: 801h/2049d Inode: 32639203   Links: 1
Access: (0644/-rw-r--r--)  Uid: (347654704/aminhani)   Gid: (347603457/domain^users)
Access: 2018-10-14 20:29:42.266493363 -0400
Modify: 2018-10-14 20:22:48.312676891 -0400
Change: 2018-10-14 20:22:48.312676891 -0400
 Birth: -
aminhani@hadoop-gate-0:~/uploads$
```

It can be seen that the properties like the image resolution, size of the image, creation and modified time have been matched.

The RGB of the image is also displayed.

← → ↻ ⓘ Not secure | ec2-18-218-246-126.us-east-2.compute.amazonaws.com/properties/image.jpg

Welcome User

Please upload your file!

Files:

No file chosen

- [image.jpg](#)

- The creation time is Mon Oct 15 01:28:24 2018

The modified time is Mon Oct 15 01:28:24 2018

The size of the file bytes is 206727

The image resolution is (800, 1064)

The RGB of the image is (216, 216, 216)

4. The file can be deleted using the delete button.
5. The properties of a pdf file like the size of the file, creation and modified date can be viewed and verified with the Hadoop server.

```
aminhani@hadoop-gate-0:~/uploads$ pdftinfo ee.pdf
Author:      Aminha, Nidhi (aminhani)
Creator:     Microsoft® Word for Office 365
Producer:    Microsoft® Word for Office 365
CreationDate: Sat Oct 13 18:47:20 2018
ModDate:     Sat Oct 13 18:47:20 2018
Tagged:      yes
UserProperties: no
Suspects:    no
Form:        none
JavaScript:   no
Pages:       1
Encrypted:    no
Page size:    612 x 792 pts (letter)
Page rot:     0
File size:    39393 bytes
Optimized:    no
PDF version:  1.7
aminhani@hadoop-gate-0:~/uploads$ █
```

Welcome User

Please upload your file!

Files:

Choose Files No file chosen Upload!

- [cc_help1.png](#) Properties Delete
- [ee.pdf](#) Properties Delete

- **The creation time is Mon Oct 15 02:09:16 2018**

The modified time is Mon Oct 15 02:09:16 2018

The size of the file bytes is 39393

6. All files uploaded will be auto-deleted after a span of 5 minutes from the time of upload.