

Final Project FA5

1. Extract the **"gupta-ambuj-fa5.zip"**, and run only **"gupta-ambuj-fa5.sh"**. All the necessary files are uploaded to one remote file server. Those will be downloaded by the shell file.
2. Run the shell file using below command.

```
bash gupta-ambuj-fa5.sh ELB-AMBUJ1 ambujkey DAVINCI455 2 ambuj-gupta-1 ambujrole
```
3. In this script RDA database and read replica are created. MYSQL DB Name is **"FA5CLOUDDB"** and Read Replica name is **"ReadFACLOUDDB"**.
4. SQS name is **"FA5QUEUE"** and SNS topic **"ImageDone"** and email subscription has been made to **"agupta61@hawk.iit.edu"**
5. The above script will take 20-22 minutes for execution.
6. Now go to the worker instance, it will be one which is not attached to Load Balancer. Same can be found from AWS console.
7. Both .Jpeg and .png images can be uploaded and compressed.
8. For Table creation run **"DbCreate.php"** at worker instance. This script will create table in Database with name **"USER_INFO"**.
<http://54.174.108.45/DbCreate.php.php>
9. For Testing Index page , request index.php page at loadbalancer url.
<http://elb-ambuj1-1596358799.us-east-1.elb.amazonaws.com/index.php>
10. Now Request **"workerinfinite.php"** at worker instance. Since it is an infinite loop and it will start when it gets executed for 100000 times, We see browser loading. Then again it can be started by calling the workerinfinite.php
<http://54.174.108.45/workerinfinite.php>
11. Once the User subscribes for the SNS topic, it can see notifications in email.
12. If the User is uploading the image for the first time , it will receive subscription email.
13. After the user gets the notification of **"Congratulations image processed.!"** It can see the images by giving email id at index.php page.

Screen-shots

1. Running the Script:

```
ubuntu@ip-172-31-43-156:~$
Default output format [text]:
ubuntu@ip-172-31-43-156:~$ clear
ubuntu@ip-172-31-43-156:~$ bash gupta-ambuj-ma5.sh ELB-AMBUJ1 ambujkey DAVINCI455 2 ambuj-gupta-1 ambujrole
--2014-12-11 04:51:08-- http://54.86.57.215/setup-ma4.sh
Connecting to 54.86.57.215:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1072 (1.0K) [text/x-sh]
Saving to: 'setup-ma4.sh'

100%[=====] 1,072 --.-K/s in 0s

2014-12-11 04:51:08 (56.7 MB/s) - 'setup-ma4.sh' saved [1072/1072]

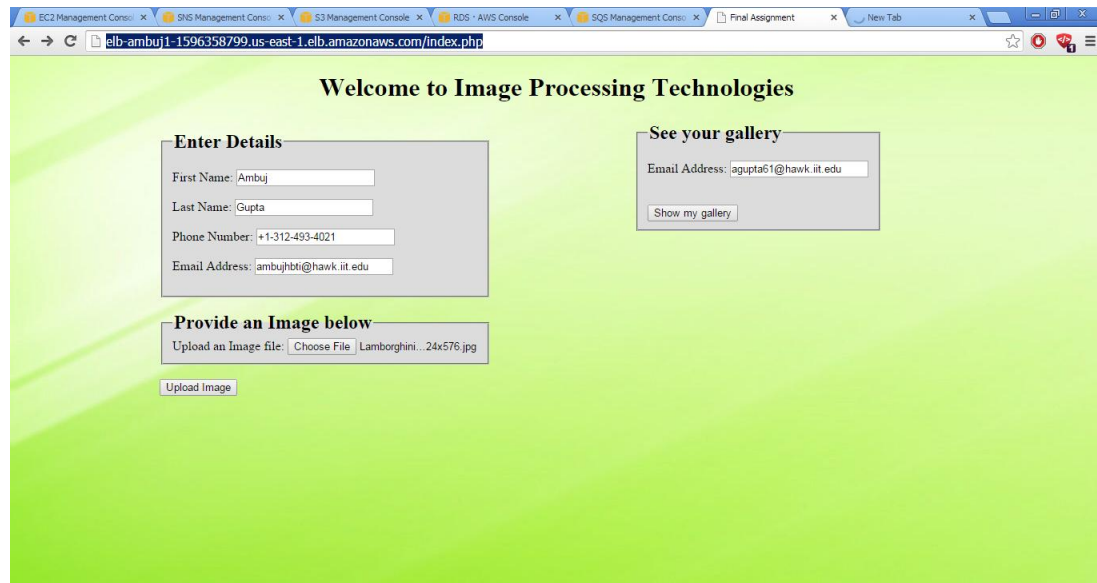
--2014-12-11 04:51:08-- http://54.86.57.215/worker-setup-ma4.sh
Connecting to 54.86.57.215:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1004 [text/x-sh]
Saving to: 'worker-setup-ma4.sh'

100%[=====] 1,004 --.-K/s in 0s

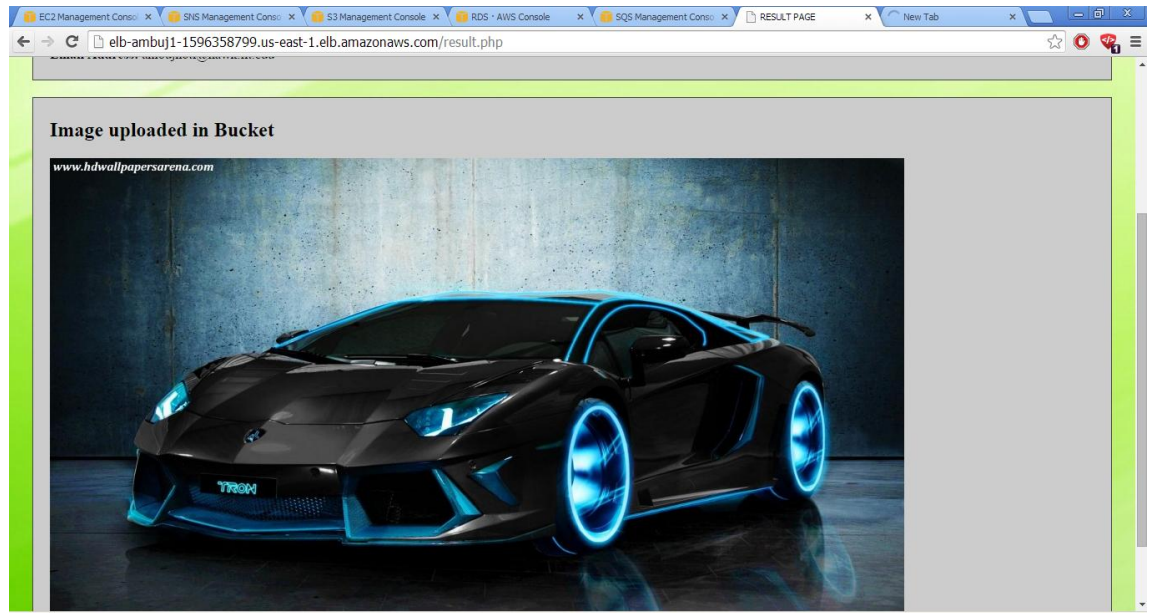
2014-12-11 04:51:08 (54.8 MB/s) - 'worker-setup-ma4.sh' saved [1004/1004]

DBINSTANCE      5      True      1      db.t2.micro      fa5clouddb      creating      mysql      5.6.19a      general-public-license      userambuj      True      05:30-06:00
at:10:06-set:10:36      True
DBPARAMETERGROUPS      default.mysql5.6      in-sync
DBSUBNETGROUP      default      default      Complete      vpc-6348c0e6
SUBNETS      subnet-c9e82c90      Active
SUBNETAVAILABILITYZONE      us-east-1d      False
SUBNETS      subnet-351bf1fe      Active
SUBNETAVAILABILITYZONE      us-east-1b      False
SUBNETS      subnet-126cb665      Active
SUBNETAVAILABILITYZONE      us-east-1c      False
OPTIONSGROUPMEMBERSHIPS      default:mysql-5-6      in-sync
PENDINGMODIFIEDVALUES      ****
VPCSECURITYGROUPS      active      sg-8bb38afe
https://queue.amazonaws.com/730379203140/TA5QUEUE
pending confirmation
vpc-id: vpc-3a27b85f
subnet-id: subnet-8721fbde
security-group-id: sg-4dd92e29
```

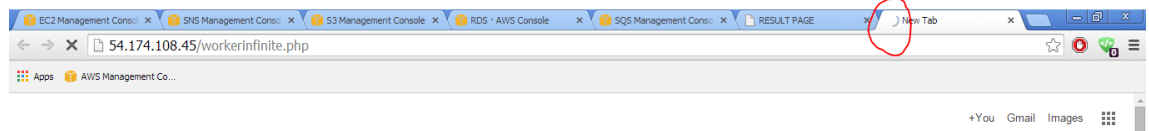
2. Index page.



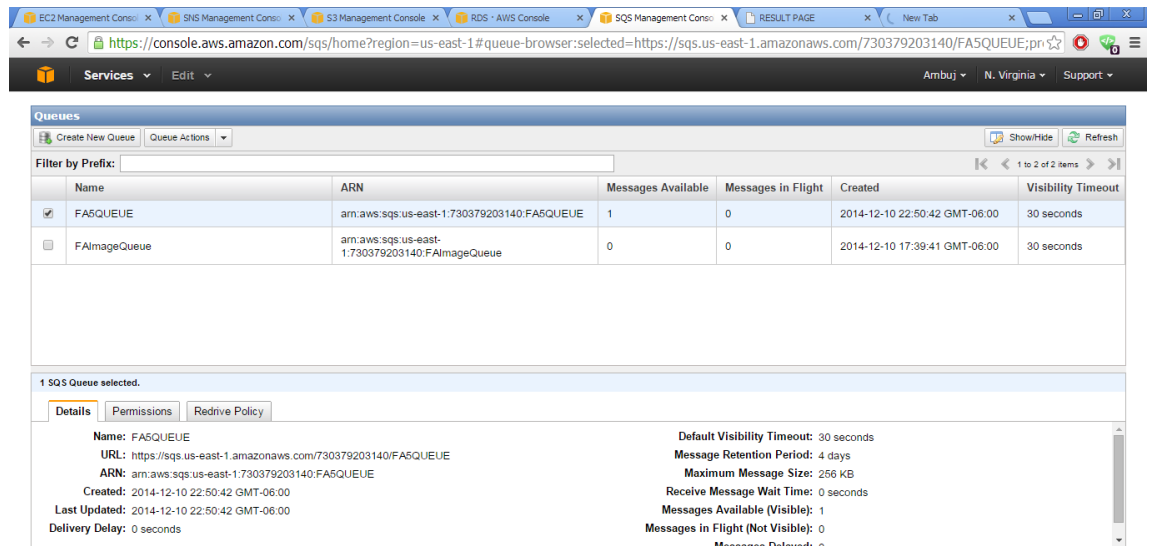
3. Image has been uploaded to S3 Bucket



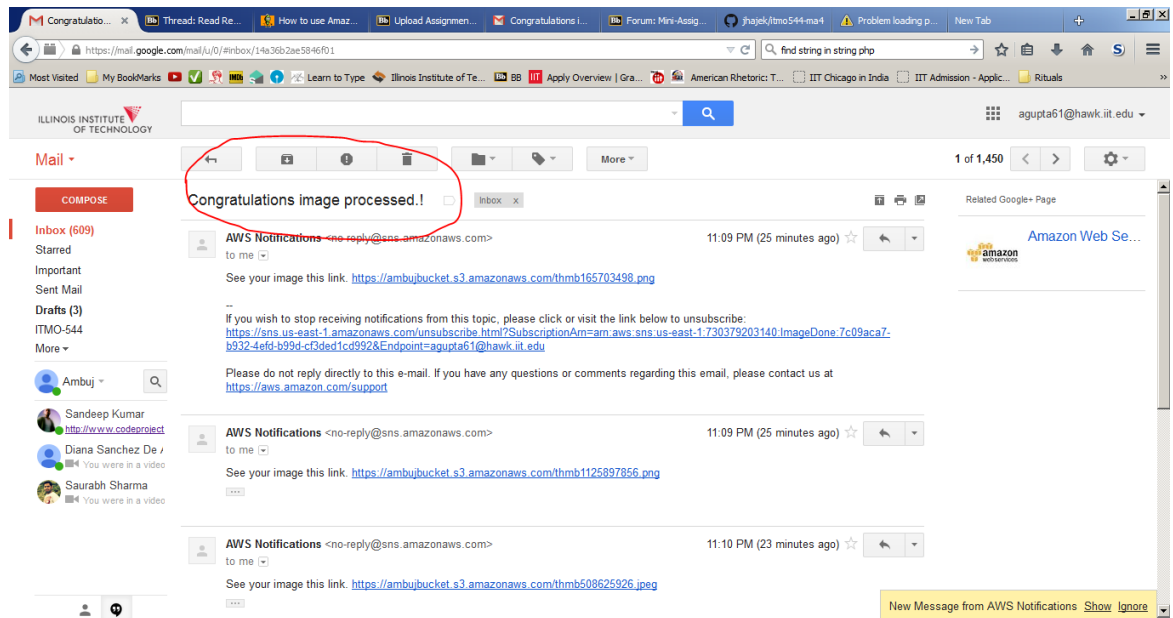
4. Worker instance in action. It never loads due to while loop in php code.It



5. SQS Queue



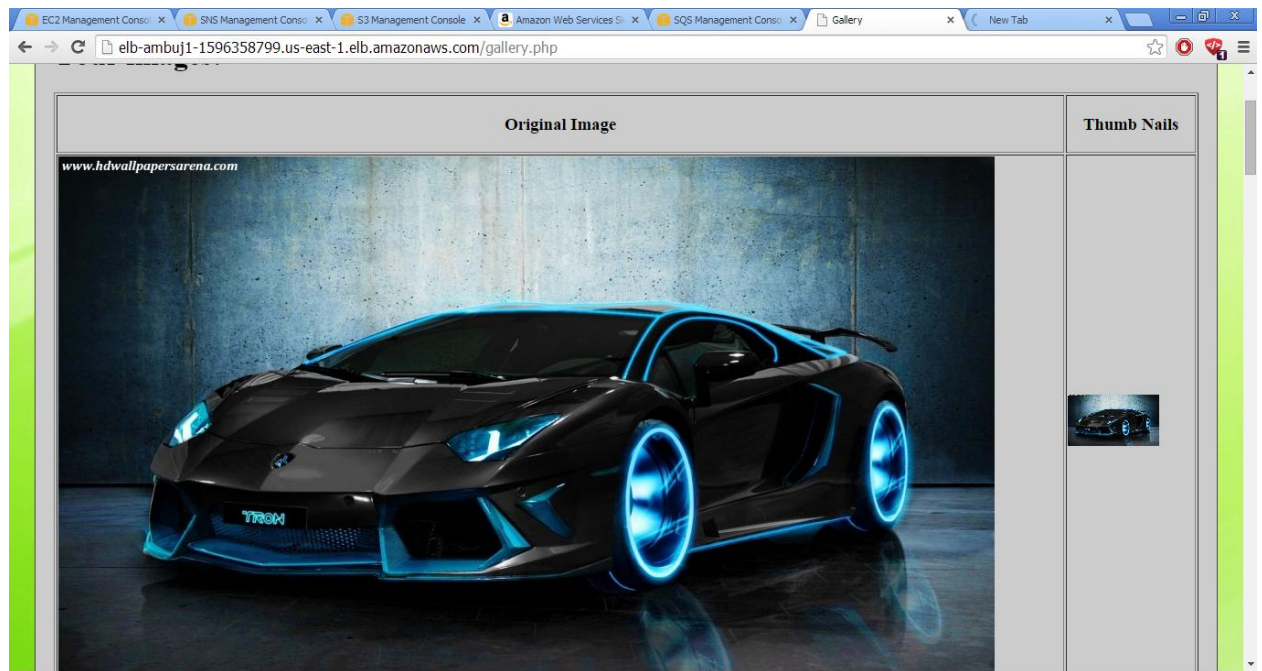
6. Email notifications



7. Provide the email id and click “Show My Gallery”



8. Gallery.php page



Thank you.