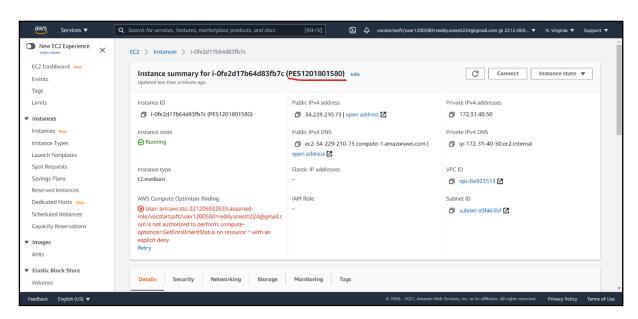
Cloud Computing Laboratory

Week No: 2

SRN: PES1201801580

Task 1 Outputs:

1a:

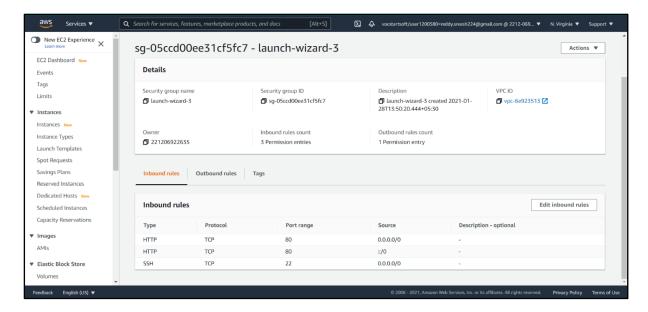


2a:

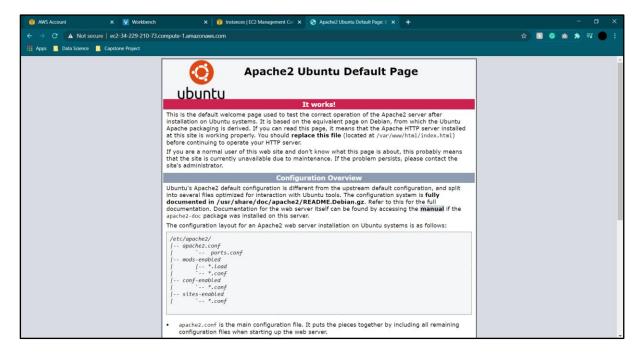
```
wbuntu@ip-172-31-40-50:~

wbuntu@ip-172-31-
```

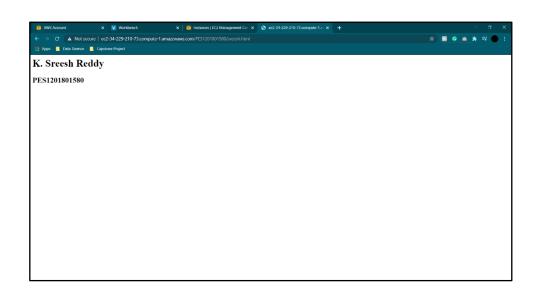
3a:



3b:



4a:



5a: (varying the no. of users and requests)

```
Unburtuality-172-31-40-50:/var/max/html/PES1201801588 ab 'k -c 10 -n 2000 -r http://ec2-34-229-210-73.compute-1.amazonaws.com/PES1201801580/sreesh.html
This is ApacheBench, Version 2.3 sf8evision: 1807734 $>
Copyright 1906 Adda Twiss_ 22ws Technology tdp, http://www.apache.org/

Benchaarking ac-2-43-220-210-73.compute-1.amazonaws.com (be patient)
Completed 200 requests
Completed 200 requests
Completed 200 requests
Completed 600 requests
Completed 1000 reques
```

```
United process of the process of the
```

```
ubuntu@ip-172-31-40-50:/var/www/html/PES1201801580$ ab -k -c 30 -n 6000 -r http://ec2-34-229-210-73.compute-1.amazonaws.com/PES1201801580/sreesh.html
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/
  Benchmarking ec2-34-229-210-73.compute-1.amazonaws.com (be patient)
Benchmarking ec2-34-229-
Completed 600 requests
Completed 1200 requests
Completed 1800 requests
Completed 2400 requests
Completed 3600 requests
Completed 3600 requests
Completed 4200 requests
Completed 4800 requests
Completed 5400 requests
Completed 5400 requests
Completed 5400 requests
Completed 6000 requests
Finished 6000 requests
                                                        ec2-34-229-210-73.compute-1.amazonaws.com
 Server Hostname:
Server Port:
Document Path:
Document Length:
                                                        /PES1201801580/sreesh.html
                                                        84 bytes
  oncurrency Level:
ime taken for tests:
  omplete requests:
                                                        6000
  complete requests.

87

(Connect: 0, Receive: 0, Length: 87, Exceptions: 0)
(eep-Alive requests: 5894
 Keep-Alive requests:
Total transferred:
HTML transferred:
                                                      5894
2299418 bytes
496692 bytes
14091.16 [#/sec] (mean)
2.129 [ms] (mean)
0.071 [ms] (mean, across all concurrent requests)
5273.67 [Kbytes/sec] received
  Requests per second:
Fime per request:
Fime per request:
Fransfer rate:
 Connection Times (ms)
                              min mean[+/-sd] median
0 0 0.0 0
0 2 2.1 2
0 2 2.1 2
0 2 2.1 2
                                                                                               1
37
 Processing:
Waiting:
Total:
    ercentage of the requests served within a certain time (ms)
ubuntugip-172-31-40-50:/var/www/html/PES1201801580$ ab -k -c 40 -n 10000 -r http://ec2-34-229-210-73.compute-1.amazonaws.com/PES1201801580/sreesh.html
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/
 Benchmarking ec2-34-229-210-73.compute-1.amazonaws.com (be patient)
Completed 1000 requests
Completed 2000 requests
 Completed 3000 requests
Completed 4000 requests
Completed 5000 requests
Completed 6000 requests
Completed 7000 requests
Completed 7000 requests
Completed 8000 requests
  Completed 9000 requests
Completed 10000 requests
Finished 10000 requests
                                                        Apache/2.4.29
 Server Hostname:
Server Port:
                                                        ec2-34-229-210-73.compute-1.amazonaws.com
 Document Path:
Document Length:
                                                        /PES1201801580/sreesh.html
84 bytes
  Concurrency Level:
Time taken for tests:
                                                      40
0.732 seconds
  omplete requests: 10000
iailed requests: 170
(Connect: 0, Receive: 0, Length: 170, Exceptions: 0)
                                                      : 0, Length: 170, thee, 9776
3821687 bytes
825720 bytes
13661.95 [#/sec] (mean)
2.928 [ms] (mean)
0.073 [ms] (mean, across all concurrent requests)
5098.80 [Kbytes/sec] received
Keep-Alive requests:
Total transferred:
HTML transferred:
Requests per second:
Time per request:
  Time per request:
Transfer rate:
Connection Times (ms)

min mean[+/-sd] median max

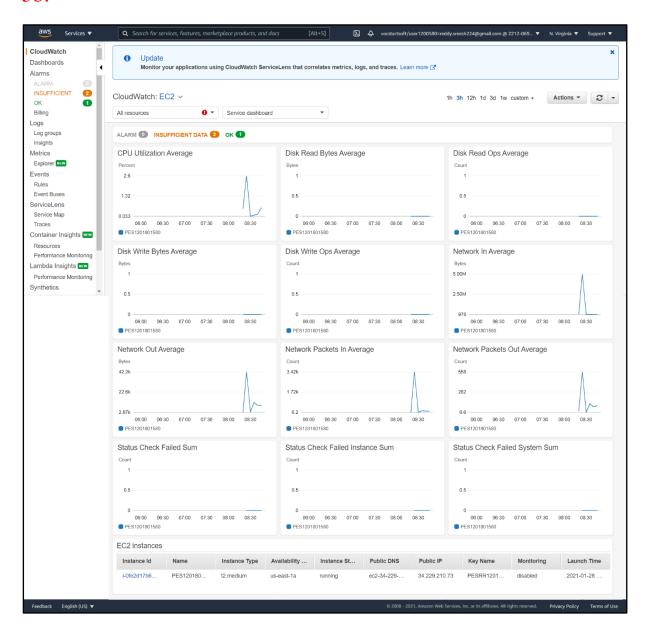
Connect: 0 0 0.1 0 1

Processing: 0 3 2.6 2 35

Waiting: 0 3 2.6 2 35
```

ercentage of the requests served within a certain time (ms) 50% 2

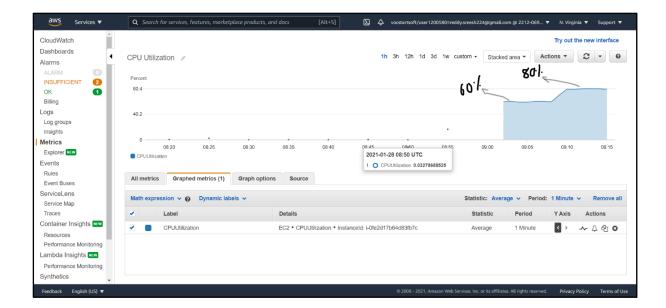
5b:



5c: (varying the stress percentage on the CPU)

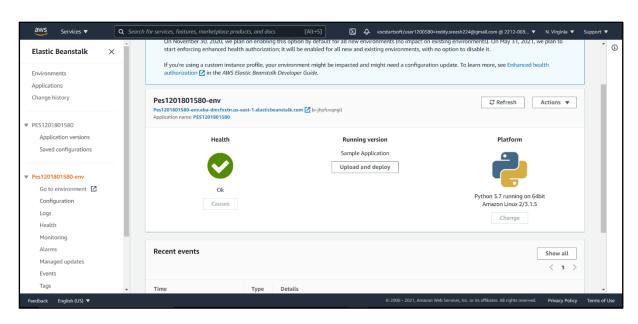
```
ubuntu@ip-172-31-40-50:/var/www/html/PES1201801580$ stress-ng -c 0 -l 60
stress-ng: info: [3512] Working directory /var/www/html/PES1201801580 is not read/writeable, some I/O tests may fail
stress-ng: info: [3512] defaulting to a 86400 second (1 day, 0.00 secs) run per stressor
stress-ng: info: [3512] dispatching hogs: 2 cpu

^Cstress-ng: info: [3512] successful run completed in 628.70s (10 mins, 28.70 secs)
ubuntu@ip-172-31-40-50:/var/www/html/PES1201801580$ stress-ng -c 0 -l 80
stress-ng: info: [3525] Working directory /var/www/html/PES1201801580 is not read/writeable, some I/O tests may fail
stress-ng: info: [3525] defaulting to a 86400 second (1 day, 0.00 secs) run per stressor
stress-ng: info: [3525] dispatching hogs: 2 cpu
^Cstress-ng: info: [3525] successful run completed in 528.07s (8 mins, 48.07 secs)
ubuntu@ip-172-31-40-50:/var/www/html/PES1201801580$
```

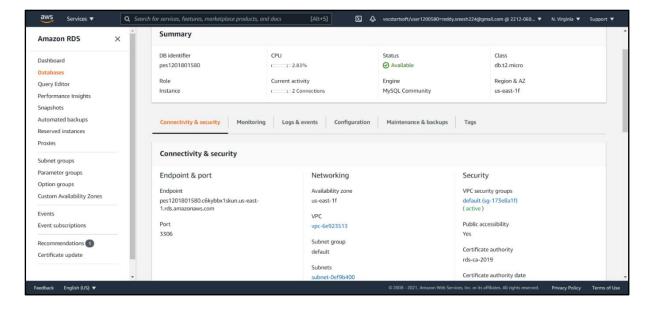


TASK B:

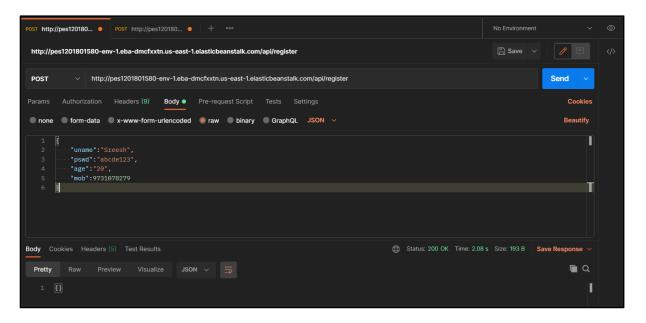
B1:



B2:



B3:



B4:

