

## Screenshots

*Local:*

20 Experiments (5 Throughput and 15 Efficiency)

```
ubuntu@ip-172-31-60-20:~/PA3$ vi LocalQueue.java
ubuntu@ip-172-31-60-20:~/PA3$ javac LocalQueue.java
ubuntu@ip-172-31-60-20:~/PA3$ vi LocalQueue.java
ubuntu@ip-172-31-60-20:~/PA3$ javac LocalQueue.java
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 1_10_1000.txt -t 1
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 1_1000_100.txt -t 1
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 1_10000_10.txt -t 1
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 2_10_1000.txt -t 2
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 2_1000_100.txt -t 2
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 2_10000_10.txt -t 2
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 4_10_1000.txt -t 4
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 4_1000_100.txt -t 4
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 4_10000_10.txt -t 4
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 8_10_1000.txt -t 8
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 8_1000_100.txt -t 8
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 8_10000_10.txt -t 8
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 16_10_1000.txt -t 16
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 16_1000_100.txt -t 16
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w 16_10000_10.txt -t 16
Time: 100 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w SleepTask.txt -t 1
Time: 10 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w SleepTask.txt -t 2
Time: 15 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w SleepTask.txt -t 4
Time: 14 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w SleepTask.txt -t 8
Time: 15 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java LocalQueue -s LOCAL -w SleepTask.txt -t 16
Time: 15 secs.
ubuntu@ip-172-31-60-20:~/PA3$
```

*Remote*

Screenshots of DynamoDB, SQS and EC2 instances:

EC2 Management Console | DynamoDB - AWS Console | **SQS Management Console** | Inbox - shorabh.dhandharia | Shorabh

https://console.aws.amazon.com/sqs/home?region=us-east-1#queue-browser:selected=https://sqs.us-east-1.amazonaws.com/916759794285/PA3,https://sqs.us-east-1.amazonaws.com/916759794285/PA3\_Response

AWS Services Edit

Shorabh Dhandharia N. Virginia Support

Create New Queue Queue Actions

Filter by Prefix: Enter Text...

Name	Messages Available	Messages in Flight	Created
PA3	0	0	2016-04-30 20:13:45 GMT-05:00
PA3_Response	14,412	1	2016-04-30 22:51:02 GMT-05:00

2 SQS Queues selected

Details Permissions Redrive Policy Monitoring

Select a single queue to view its details.

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12:58 AM 5/1/2016

EC2 Management Console | DynamoDB - AWS Console | SQS Management Console | Inbox - shorabh.dhandha | Shorabh

https://console.aws.amazon.com/dynamodb/home?region=us-east-1#tables:selected=PA3

AWS Services Edit Shorabh Dhandharia N. Virginia Support

### DynamoDB

Dashboard  
Tables  
Reserved capacity

Create table Actions

Filter by table name

Name

PA3

### PA3

Close

Overview Items Metrics Alarms Capacity Indexes Triggers Access control

Create item Actions

Scan: [Table] PA3: name Viewing 1 to 100 items

Scan [Table] PA3: name

Add filter

Start search

	name	value
<input type="checkbox"/>	3635	sleep
<input type="checkbox"/>	228	sleep
<input type="checkbox"/>	9990	sleep
<input type="checkbox"/>	1668	sleep
<input type="checkbox"/>	6308	sleep
<input type="checkbox"/>	9970	sleep

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EC2 Management Console | DynamoDB - AWS Console | SQS Management Console | Inbox - shorabh.dhandha | Shorabh

https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instancetype

AWS Services Edit Shorabh Dhandharia N. Virginia Support

### EC2 Dashboard

Events  
Tags  
Reports  
Limits

INSTANCES

Instances

Spot Requests  
Reserved Instances  
Scheduled Instances  
Commands  
Dedicated Hosts

IMAGES

AMIs  
Bundle Tasks

ELASTIC BLOCK STORE

Volumes  
Snapshots

NETWORK & SECURITY

Security Groups  
Elastic IPs

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

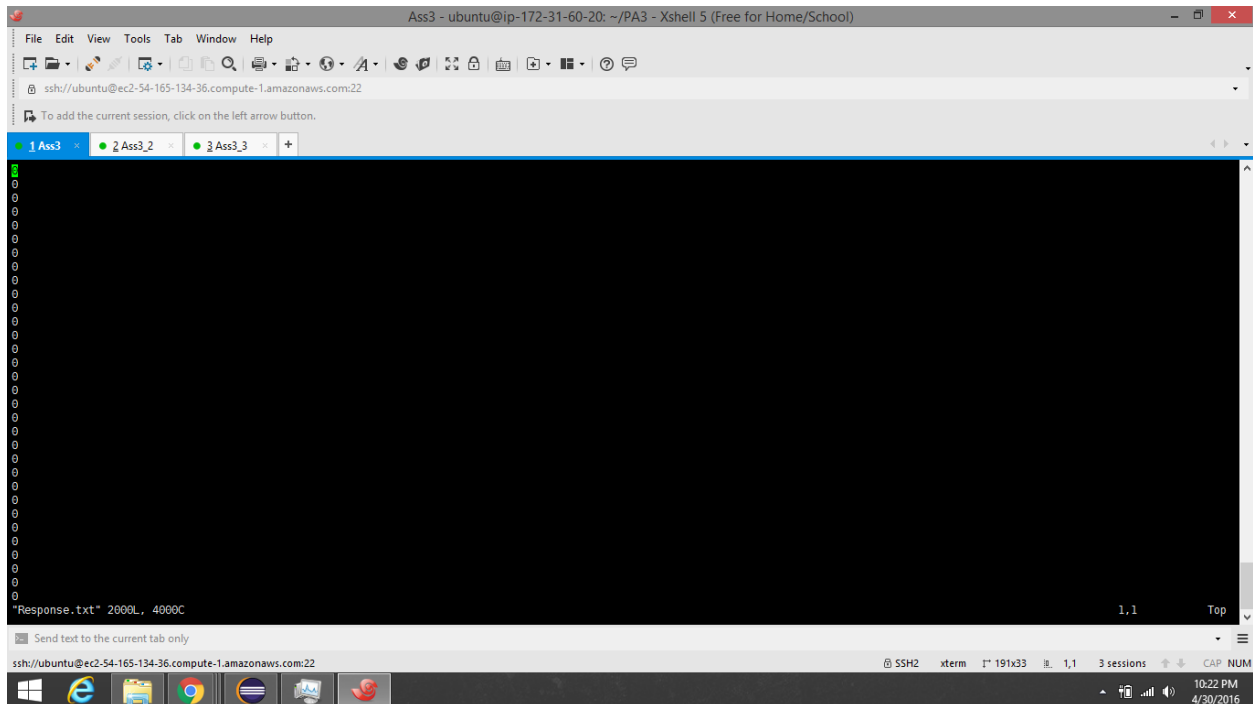
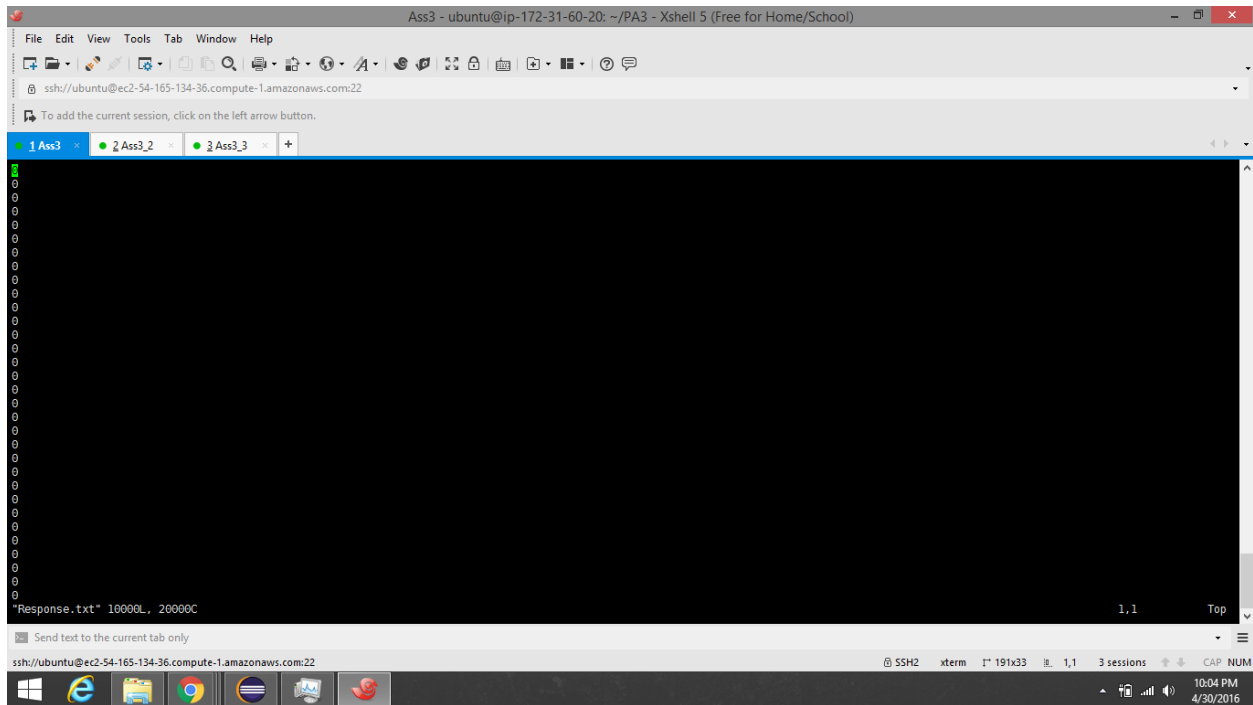
1 to 17 of 17

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Public IP
<input type="checkbox"/>		i-28a9c7b5	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-54-82-245-131.com...	54.82...
<input type="checkbox"/>		i-3091ffad	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-52-87-247-217.com...	52.87...
<input type="checkbox"/>		i-3291ffaf	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-52-90-33-121.com...	52.90...
<input type="checkbox"/>		i-3391ffae	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-52-91-171-212.com...	52.91...
<input type="checkbox"/>		i-3591ffa8	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-52-91-100-76.com...	52.91...
<input type="checkbox"/>		i-77ee82ea	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-52-91-17-75.compu...	52.91...
<input type="checkbox"/>		i-a8d7b935	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-54-87-132-68.com...	54.87...

Select an instance above

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## Sample Response files:



```

ubuntu@ip-172-31-60-20:/PA3$ java Client -s PA3 -w 10000.txt
May 01, 2016 2:40:17 PM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 415 secs.
ubuntu@ip-172-31-60-20:/PA3$ ls
10000.txt      1_10_1000.txt  16_10_1000.txt  2_10_1000.txt  4_10_1000.txt  8_10_1000.txt  Client.java      Response.txt     Worker.class
1_10000_10.txt 16_10000_10.txt 2_10000_10.txt  4_10000_10.txt 8_10000_10.txt  aws-java-sdk-1.10.74 commons-cli-1.3.1.jar SleepTask.txt    Worker.java
1_1000_100.txt 16_1000_100.txt 2_1000_100.txt  4_1000_100.txt 8_1000_100.txt  client.class    LocalQueue.java  task.txt
ubuntu@ip-172-31-60-20:/PA3$ vi Response.txt

```

## Efficiency:

```
ubuntu@ip-172-31-60-20:~/PA3$ vi Client.java
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 1 10 1000.txt
May 01, 2016 3:06:39 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 80 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 1 1000 100.txt
May 01, 2016 3:10:48 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 129 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 1 10000 10.txt
May 01, 2016 3:13:51 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 103 secs.
ubuntu@ip-172-31-60-20:~/PA3$ █
```

## 2 Threads

## Throughput :

```
~Cubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 10000.txt
May 01, 2016 2:42:41 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 212 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 10000.txt
May 01, 2016 2:49:17 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
```

## Efficiency:

```
Time Taken By Client: 103 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 2 10 1000.txt
May 01, 2016 3:17:08 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 52 secs.
ubuntu@ip-172-31-60-20:~/PA3$ vi Response.txt
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 2 1000 100.txt
May 01, 2016 3:24:28 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 121 secs.
ubuntu@ip-172-31-60-20:~/PA3$ vi Response.txt
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 2 10000 10.txt
May 01, 2016 3:29:21 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 103 secs.
ubuntu@ip-172-31-60-20:~/PA3$ █
```

## 4 Threads

### Throughput:

```
Time Taken By Client: 181 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 10000.txt
May 01, 2016 4:57:33 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

92
Time Taken By Client: 226 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 4 10 1000.txt
May 01, 2016 5:06:00 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

33
Time Taken By Client: 134 secs.
ubuntu@ip-172-31-60-20:~/PA3$
```

### Efficiency:

```
ubuntu@ip-172-31-60-20:~/PA3$ vi Response.txt
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 4 1000 100.txt
May 01, 2016 3:57:01 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 107 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 4 10000 10.txt
May 01, 2016 4:01:34 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 103 secs.
ubuntu@ip-172-31-60-20:~/PA3$ vi Response.txt
ubuntu@ip-172-31-60-20:~/PA3$
```

## 8 Threads

### Throughput:

```
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

84
Time Taken By Client: 228 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 8 10 1000.txt
May 01, 2016 4:48:15 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

65
Time Taken By Client: 161 secs.
```

## Efficiency:

```
Time Taken By Client: 108 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 8_1000_100.txt
May 01, 2016 4:30:31 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 108 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 8_1000_100.txt
May 01, 2016 4:35:05 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

Time Taken By Client: 105 secs.
ubuntu@ip-172-31-60-20:~/PA3$
```

## 16 Threads

## Throughput:

```
Time Taken By Client: 221 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 10000.txt
May 01, 2016 5:40:43 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

89
Time Taken By Client: 221 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 16_10_1000.txt
May 01, 2016 5:45:08 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====
```

## Efficiency:

```
Time Taken By Client: 361 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 16_10_1000.txt
May 01, 2016 5:54:53 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .

Uploaded Messages into PA3 .

150
Time Taken By Client: 361 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 16_1000_100.txt
May 01, 2016 6:03:09 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
=====
```

Send text to the current tab only

ssh://ubuntu@ec2-54-165-134-36.compute-1.amazonaws.com:22

SSH2 xterm 191x30 30,37 17 sessions CAP NUM

Windows taskbar icons: Start, Edge, File Explorer, Chrome, Firefox, Mail, and a red notification icon.

System tray: Network, Volume, and Date/Time (1:12 AM 5/1/2016).

Ass3 - ubuntu@ip-172-31-60-20: ~/PA3 - Xshell 5 (Free for Home/School)

File Edit View Tools Tab Window Help

ssh://ubuntu@ec2-54-165-134-36.compute-1.amazonaws.com:22

To add the current session, click on the left arrow button.

1 Ass3 2 Ass3\_2 3 Ass3\_3 4 Ass3\_4 5 Ass3\_5 6 Ass3\_6 7 Ass3\_7 8 Ass3\_8 9 Ass3\_9 10 Ass3\_17 11 Ass3\_16 12 Ass3\_15 13 Ass3

Send keyboard input to current session only. ON

```
INFO: Skip unsupported property name region in profile [default].
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .
Uploaded Messages into PA3 .

16
Time Taken By Client: 107 secs.
ubuntu@ip-172-31-60-20:~/PA3$ java Client -s PA3 -w 16 10000 10.txt
May 01, 2016 6:07:02 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
CLIENT IS RUNNING
=====

Created a new SQS queue called PA3 .
Uploaded Messages into PA3 .

1
Time Taken By Client: 102 secs.
ubuntu@ip-172-31-60-20:~/PA3$ ls
10000.txt      1 10 10000.txt    16 10 10000.txt    2 10 10000.txt    4 10 10000.txt    8 10 10000.txt    Client.java      Response.txt      Worker.class
1 10000 10.txt  16 10000 10.txt  2 10000 10.txt    4 10000 10.txt    8 10000 10.txt    aws-java-sdk-1.10.74 commons-cli-1.3.1.jar SleepTask.txt    Worker.java
1 1000 100.txt  16 1000 100.txt  2 1000 100.txt    4 1000 100.txt    8 1000 100.txt    Client.class     LocalQueue.java  task.txt
ubuntu@ip-172-31-60-20:~/PA3$ vi LocalQueue.java
ubuntu@ip-172-31-60-20:~/PA3$ javac
```

Send text to the current tab only

ssh://ubuntu@ec2-54-165-134-36.compute-1.amazonaws.com:22

SSH2 xterm 17 191x30 18 30,37 17 sessions CAP NUM

1:12 AM 5/1/2016



# Animoto

URL and file created:

```
Error Type: Client
Request ID: 81AAF62CB64DF703

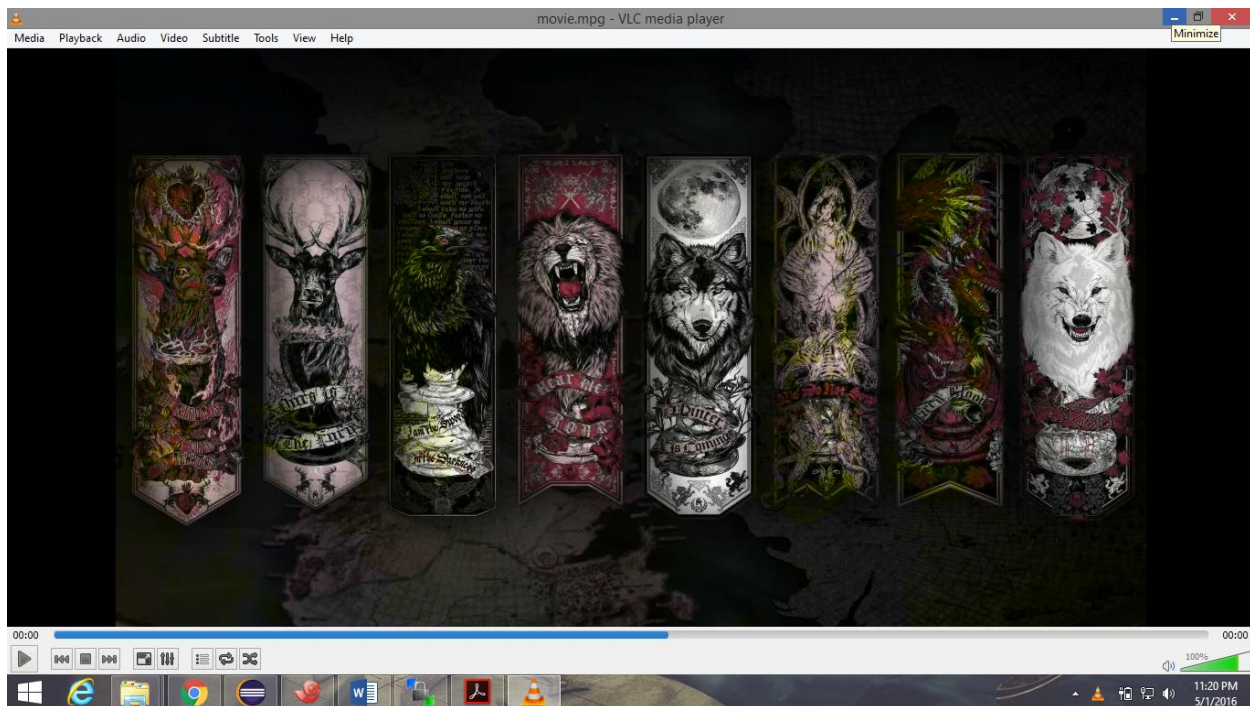
real    0m8.139s
user    0m1.787s
sys      0m0.166s
ubuntu@ip-172-31-60-20:~/PA3$ vi Animoto.java
ubuntu@ip-172-31-60-20:~/PA3$ javac Animoto.java
ubuntu@ip-172-31-60-20:~/PA3$ time java Animoto
May 02, 2016 3:49:39 AM com.amazonaws.auth.profile.internal.ProfilesConfigFileLoader onProfileProperty
INFO: Skip unsupported property name region in profile [default].
Creating bucket shorabh

Upload to S3 from a file

Generating pre-signed URL.
https://shorabh.s3.amazonaws.com/movie.mpg?AWSAccessKeyId=AKIAJHKDXQ3B0CQ00BA&Expires=1462164586&Signature=LKcgZ2u%2B7pWbEYj5pNL1lFGa2Po%3D

real    0m7.982s
user    0m1.800s
sys      0m0.193s
ubuntu@ip-172-31-60-20:~/PA3$ ls
10000.txt      8_10_1000.txt      Game-Of-Thrones-Quotes-Image2.jpg.3      img11.jpg  img38.jpg      Quotes-Game-Of-Thrones-1024x576.jpg
1_10000_10.txt Animoto.class       Game-Of-Thrones-Quotes-Image.jpg.1      img12.jpg  img39.jpg      Quotes-Game-Of-Thrones-1024x576.jpg.1
1_1000_100.txt Animoto.java        Game-Of-Thrones-Quotes-Image.jpg.2      img13.jpg  img40.jpg      Quotes-Game-Of-Thrones-1024x576.jpg.2
1_10_10000.txt Animoto.txt         Game-Of-Thrones-Quotes-Image.jpg.3      img14.jpg  img41.jpg      Quotes-Game-Of-Thrones-1024x576.jpg.3
10_10000_10.txt aws-java-sdk-1.10.74 Client.class      Game-Of-Thrones-Quotes-Images1-1024x640.png.1  img15.jpg  img42.jpg      Quotes-Game-Of-Thrones1-1024x576.jpg
16_1000_100.txt Client.java         Game-Of-Thrones-Quotes-Images1-1024x640.png.2  img16.jpg  img43.jpg      Quotes-Game-Of-Thrones1-1024x576.jpg.1
16_10_1000.txt  commons-cli-1.3.1.jar Game-Of-Thrones-Quotes-Images1-1024x640.png.3  img17.jpg  img44.jpg      Quotes-Game-Of-Thrones1-1024x576.jpg.2
2_10000_10.txt  Game-Of-Thrones-Quote-1024x576.jpg.1  Game-Of-Thrones-Quotes-Images.jpg.1      img18.jpg  img45.jpg      Quotes-Game-Of-Thrones1-1024x576.jpg.3
2_1000_100.txt  Game-Of-Thrones-Quote-1024x576.jpg.2  Game-Of-Thrones-Quotes-Images.jpg.2      img19.jpg  img46.jpg      Quotes-Game-Of-Thrones2.jpg
2_10_1000.txt   Game-Of-Thrones-Quote-1024x576.jpg.3  Game-Of-Thrones-Quotes-Images.jpg.3      img20.jpg  img47.jpg      Quotes-Game-Of-Thrones2.jpg.1
242556.jpg      Game-Of-Thrones-Quote-1-1024x576.jpg  Game-Of-Thrones-Quotes-Images.jpg.3      img21.jpg  img48.jpg      Quotes-Game-Of-Thrones2.jpg.2
242556.jpg.1    Game-Of-Thrones-Quote-1024x576.jpg.1  Game-Of-Thrones-Quotes-Images.jpg.3      img22.jpg  img49.jpg      Quotes-Game-Of-Thrones2.jpg.3
242556.jpg.2    Game-Of-Thrones-Quote-1-1024x576.jpg  Game-Of-Thrones-Quotes-Images.jpg.3      img23.jpg  img50.jpg      rename.sh
242556.jpg.3    Game-Of-Thrones-Quote-1-1024x576.jpg.2  Game-Of-Thrones-Quotes-Images.jpg.3      img24.jpg  img51.jpg      Response.txt
403408.jpg      Game-Of-Thrones-Quote-1-1024x576.jpg.2  Game-Of-Thrones-Quotes-Images.jpg.3      img25.jpg  img52.jpg      SleepTask.txt
403408.jpg.1    Game-Of-Thrones-Quote-1-1024x576.jpg.3  Game-Of-Thrones-Quotes.jpg.1             img26.jpg  img53.jpg      task.txt
403408.jpg.2    Game-Of-Thrones-Quotes-1.jpg           Game-Of-Thrones-Quotes.jpg.2             img27.jpg  img54.jpg      WDF_864540.jpg
403408.jpg.3    Game-Of-Thrones-Quotes-1.jpg           Game-Of-Thrones-Quotes.jpg.3             img28.jpg  img55.jpg      WDF_864540.jpg.1
4_10000_10.txt  Game-Of-Thrones-Quotes-1.jpg.1         Game-Of-Thrones-Quotes.jpg.3             img29.jpg  img56.jpg      WDF_864540.jpg.2
4_1000_100.txt  Game-Of-Thrones-Quotes-1.jpg.1         Game-Of-Thrones-Quotes.jpg.3             img30.jpg  LocalQueue.class  WDF_864540.jpg.3
4_10_1000.txt   Game-Of-Thrones-Quotes-1.jpg.2         Game-Of-Thrones-Quotes.jpg.3             img31.jpg  LocalQueue.java   Worker.class
547211.png      Game-Of-Thrones-Quotes-1.jpg.3         Game-Of-Thrones-Quotes.jpg.3             img32.jpg  LocalQueue$Worker.class  Worker.java
547211.png.1    Game-Of-Thrones-Quotes-1.jpg.3         Game-Of-Thrones-Quotes.jpg.3             img33.jpg  movie.mpg        Quotes-about-Game-Of-Thrones.gif
547211.png.2    Game-Of-Thrones-Quotes-1.jpg.3         Game-Of-Thrones-Quotes.jpg.3             img34.jpg  Quotes-about-Game-Of-Thrones.gif.1
547211.png.3    Game-Of-Thrones-Quotes-Image2.jpg       Game-Of-Thrones-Quotes.jpg.3             img35.jpg  Quotes-about-Game-Of-Thrones.gif.2
8_10000_10.txt  Game-Of-Thrones-Quotes-Image2.jpg.1     Game-Of-Thrones-Quotes.jpg.3             img36.jpg  Quotes-about-Game-Of-Thrones.gif.3
8_1000_100.txt  Game-Of-Thrones-Quotes-Image2.jpg.2     Game-Of-Thrones-Quotes.jpg.3             img37.jpg
ubuntu@ip-172-31-60-20:~/PA3$
```

Video running



## File Uploaded in S3

The screenshot displays the AWS Management Console interface for the S3 service. The browser's address bar shows the URL `https://console.aws.amazon.com/s3/home?region=us-east-1#&bucket=shorabh&prefix=`. The console header includes the AWS logo, navigation tabs for 'Services' and 'Edit', and a user profile for 'Shorabh Dhandharia'. Below the header, there are buttons for 'Upload', 'Create Folder', and 'Actions', along with a search bar labeled 'Search by prefix'. The main content area is titled 'All Buckets / shorabh' and contains a table with the following data:

Name	Storage Class	Size	Last Modified
movie.mpg	Standard	1000 KB	Sun May 01 23:19:36 GMT-500 2016

At the bottom of the console, there is a footer with 'Feedback' and 'English' links, a copyright notice '© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.', and links to 'Privacy Policy' and 'Terms of Use'. Below the console, a Windows taskbar is visible, showing the system clock at 11:20 PM on 5/1/2016. The taskbar also displays several application icons, including the Start button, Internet Explorer, and various utility programs.