Screenshots

Local (In-memory) Execution (Throughput):

Sleep 10 10K tasks:

No. of Workers 1:

```
Se □ Vinit Shah

ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 2 -w workload_f
ile.txt
----Time in nanoseconds----137294125

ubuntu@ip-172-31-56-50:~$
```

```
wbuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 4 -w workload_f ile.txt
----Time in nanoseconds----153162268
ubuntu@ip-172-31-56-50:~$

♣
```

```
wbuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 8 -w workload_f ile.txt
----Time in nanoseconds----142353997
ubuntu@ip-172-31-56-50:~$ 

♣
```

No. of Workers 16:

Sleep 0 100K tasks:

```
@●@ Vinit Shah
ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 1 -w workload_f
ile.txt
----Time in nanoseconds----452327557
ubuntu@ip-172-31-56-50:~$
```

```
wbuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 2 -w workload_f ile.txt
----Time in nanoseconds----725852975
ubuntu@ip-172-31-56-50:~$

♣
```

```
②●□ Vinit Shah

ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 4 -w workload_f
ile.txt
----Time in nanoseconds----737985397

ubuntu@ip-172-31-56-50:~$

*

*
```

```
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ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 16 -w workload_
file.txt
----Time in nanoseconds----750128085

ubuntu@ip-172-31-56-50:~$ ■
```

Local (In-memory) Execution (Efficiency):

Task Time 10 ms:

No. of Workers 1

```
wbuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 1 -w workload_f ile.txt
----Time in nanoseconds----10168109604
ubuntu@ip-172-31-56-50:~$
```

No. of Workers 16:

Task Time 1 sec:

```
❷●□ Vinit Shah

ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 1 -w workload_f
ile.txt
----Time in nanoseconds----100024808186

ubuntu@ip-172-31-56-50:~$

•
```

```
wbuntu@ip-172-31-56-50:-$ java -jar local.jar client -s LOCAL -t 16 -w workload_file.txt
----Time in nanoseconds----100020287479
ubuntu@ip-172-31-56-50:-$
```

Task Time 10 sec:

No. of Workers 1:

```
② □ Vinit Shah
ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 2 -w workload_f
ile.txt
----Time in nanoseconds----100002845347
ubuntu@ip-172-31-56-50:~$
```

No. of Workers 16:

```
② ● ② Vinit Shah
ubuntu@ip-172-31-56-50:~$ java -jar local.jar client -s LOCAL -t 16 -w workload_
file.txt
----Time in nanoseconds----100005913044
ubuntu@ip-172-31-56-50:~$
```

Remote Execution (SQS) Throughput:

Sleep 0 10K tasks:

Number of workers 1:

Number of workers 2:

```
we workload_file.t with the variable of the v
```

Number of workers 4:

Remote Execution (SQS) Efficiency:

Sleep Time 10ms:

Number of workers 1:

```
❷●⑩ Vinit Shah
ubuntu@ip-172-31-24-59:~$ java -jar client.jar client -s sqs -w workload_file.tx
t
----Time in nanoseconds----46564088464
Deleting the test queue.
ubuntu@ip-172-31-24-59:~$ ■

I
```

Number of workers 2:

```
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ubuntu@ip-172-31-24-59:~$ java -jar client.jar client -s sqs -w workload_file.tx
t
----Time in nanoseconds----42081647998

Deleting the test queue.

ubuntu@ip-172-31-24-59:~$ ■

I
```

Workers Running:

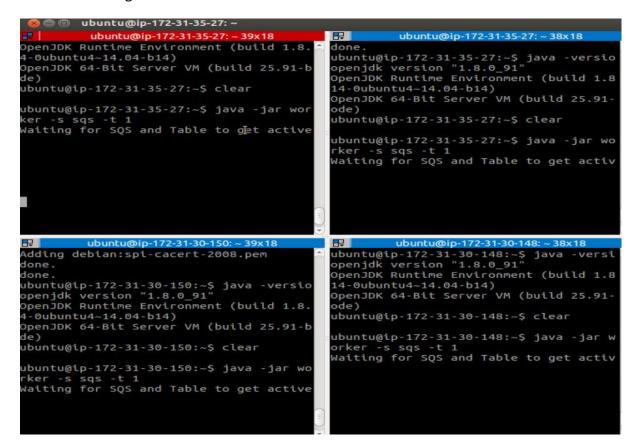
Number of workers 4

```
Winit Shah
ubuntu@ip-172-31-28-219:~$ java -jar client.jar client -s sqs -w workload_file.t
xt
----Time in nanoseconds----52158580705
Deleting the test queue.
ubuntu@ip-172-31-28-219:~$
ubuntu@ip-172-31-28-219:~$
ubuntu@ip-172-31-28-219:~$
ubuntu@ip-172-31-28-219:~$

I
```

:

Workers Running:



Sleep Time 1 Sec:

Number of workers 1

Number of workers 2:

```
Pirefox Web Browser 21:-$ java -jar client.jar client -s sqs -w workload_file.t to the square of th
```

Number of workers 4:

```
● ● ● ● ● Vinit Shah

Jubuntu@ip-172-31-28-219:~$ java -jar client.jar client -s sqs -w workload_file.t

----Time in nanoseconds----105119475378

Deleting the test queue.

Jubuntu@ip-172-31-28-219:~$

Jubuntu@ip-172-31-28-219:~$

Jubuntu@ip-172-31-28-219:~$

Jubuntu@ip-172-31-28-219:~$

Jubuntu@ip-172-31-28-219:~$
```

Sleep Time 10 Sec:

Number of workers 1:

Number of workers 2:

```
LibreOffice Writer 19:~$ java -jar client.jar client -s sqs -w workload_file.t

ct

----Time in nanoseconds----100724336369

peleting the test queue.

Jbuntu@ip-172-31-28-219:~$

Jbuntu@ip-172-31-28-219:~$

Jbuntu@ip-172-31-28-219:~$
```

Number of workers 4:

```
ee □ Vinit Shah

ubuntu@ip-172-31-28-219:~$ java -jar client.jar client -s sqs -w workload_file.t

xt

----Time in nanoseconds----101073532983

Deleting the test queue.

ubuntu@ip-172-31-28-219:~$

ubuntu@ip-172-31-28-219:~$

ubuntu@ip-172-31-28-219:~$
```