# **Cloud Computing**

## **Programming Assignment - 3**

#### > Local Evaluation

### Throughput:

Sleep 0 for 10000 tasks

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compliquency and complete and compared to the compared to the
```

### **Eficiency:**

1000 task of deep Sleep 10 ms for 1,2,4,8,16 Threads

```
complequency (rested Att: //move/adminity/peringervice/publid/classes [paid/] Created Att: //move/adminity/peringervice/publid/classes [paid/] completing/peringervice/publid-ant/25 senting: includenturative senting set, defaulting to bulk-systiaspath-last; set to false for repeatable [paid/] compling of source files to //move/adminity/peringervice/publid/classes rendering/peringer-relate: [paid/] created Att: //move/adminity/peringervice/publid/paid/peringervice.jur [paid/] created Att: //move/adminity/peringervice.jur [paid/] paid/paid/peringervice.jur rendering-prince: [paid/] paid/paid/peringervice.jur rendering-prince; [paid/] paid/paid/peringervice.jur re
```

### 100 task of Sleep 1000 ms for 1,2,4,8,16 Threads

```
doutsign-17:31-28-26-/putsignervices java -cg. /build/jar/putsignervice.jar edu.executor.Executeriak -s LOCAL t 1 w ./resources/porkloadFile
Started Adding Jobs.

Oscal Line doe general table = 18889; milliseconds:****
Total Line for executing all table = 18889; milliseconds:*****
doutsign-17:31-38-28-26-/putsignervices /w ./resources/porkloadFile
doutsign-17:31-38-28-26-/putsignervices /w ./resources/porkloadF
```

#### 10 task of Sleep 10000 ms for 1,2,4,8,16 Threads

```
ubuntu@ip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.executor.ExecuteTask -s LOCAL t 1 -w ./resources/workloadFile
Started Adding Jobs.
Total task added by Client = 10
Workers Started...
****** Total time for executing all task = 100039 milliseconds******
ubuntugip-172-31-28-26:-/QueingService$ vi ./resources/config.properties
ubuntugip-172-31-28-26:-/QueingService$ rm ./resources/workloadFile
ubuntugip-172-31-28-26:-/QueingService$ rm ./resources/workloadFile
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.utility.TaskCreation
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.executor.ExecuteTask -s LOCAL t 2 -w ./resources/workloadFile
Started Adding Jobs...
Total task added by Client = 20
Workers Started...
****** Total time for executing all task = 100029 milliseconds******
wbuntugip-172-31-28-26:-/QueingService$ vi ./resources/config.properties
ubuntugip-172-31-28-26:-/QueingService$ vi ./resources/config.properties
ubuntugip-172-31-28-26:-/QueingService$ rn ./resources/config.properties
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.utility.TaskCreation
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.executor.ExecuteTask -s LOCAL t 4 -w ./resources/workloadFile
Started Adding Jobs...
Total task added by Client = 40
  Norkers Started..
 ****** Total time for executing all task = 100062 milliseconds******
ubuntugip-172-31-28-26:-/QueingService$ vi ./resources/config.properties
ubuntugip-172-31-28-26:-/QueingService$ rm ./resources/workloadFile
ubuntugip-172-31-28-26:-/QueingService$ rm ./resources/workloadFile
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.utility.TaskCreation
ubuntugip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.executor.ExecuteTask -s LOCAL t 8 -w ./resources/workloadFile
Started Adding Jobs..
Total task added by Client = 80
 Workers Started..
  ****** Total time for executing all task = 100201 milliseconds******
ubuntuğip-172-31-28-26:-/QueingService$ / i/resources/onfig.properties
ubuntuğip-172-31-28-26:-/QueingService$ / in /fesources/onfig.properties
ubuntuğip-172-31-28-26:-/QueingService$ in ./fesources/workloadfile
ubuntuğip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.utility.TaskCreation
ubuntuğip-172-31-28-26:-/QueingService$ java -cp ./build/jar/QueingService.jar edu.executor.ExecuteTask -s LOCAL t 16 -w ./resources/workloadfile
 Started Adding Jobs..
 Total task added by Client = 160
 Norkers Started...
****** Total time for executing all task = 100090 milliseconds*****
 ubuntu@ip-172-31-28-26:~/QueingService$
```

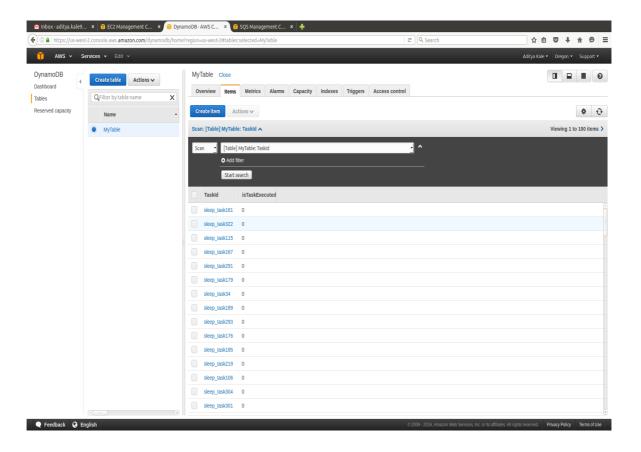
#### > Remote Evaluation

Table Creation and Queue Initialization using Setup

```
wbuntu@ip-172-31-28-26: ~/CloudKon ls bin build.xml cloudkon.jar cloudKon.jar resources src ubuntu@ip-172-31-28-26: ~/CloudKon.jar resources src ubuntu@ip-172-31-28-26: ~/CloudKon.jar cloudKon.jar edu.initialize.Setup Created Table: {AttributeDefinitions: [{AttributeName: TaskId,AttributeType: S}], TableName: MyTable,KeySchema: [{AttributeName: TaskId,KeyType: HASH}],TableStat us: CREATING,CreationDateTime: Sat Apr 30 22:24:15 UTC 2016,ProvisionedThroughput: {NumberOfDecreasesToday: 0,ReadCapacityUnits: 1,WriteCapacityUnits: 1},TableSizeBytes: 0,ItemCount: 0,TableArn: arn:aws:dynamodb:us-west-2:132663363444:table /MyTable,} waiting for MyTable to become ACTIVE...

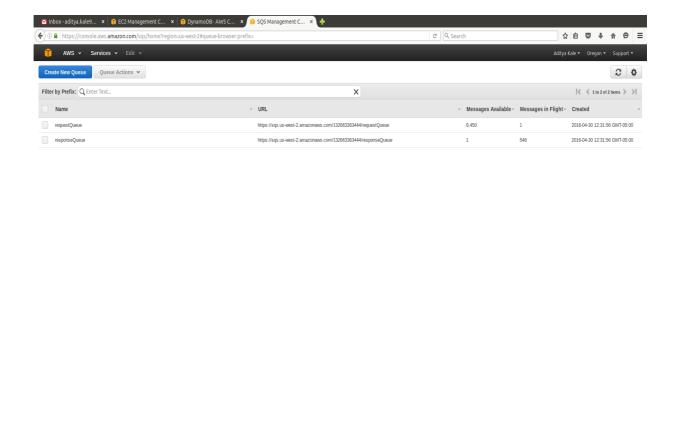
ubuntu@ip-172-31-28-26:~/CloudKon$ java -cp cloudKon.jar edu.client.Client -S requestQueue responseQueue -W ./resources/workloadFile
```

## **DynamoDB Insert into table**

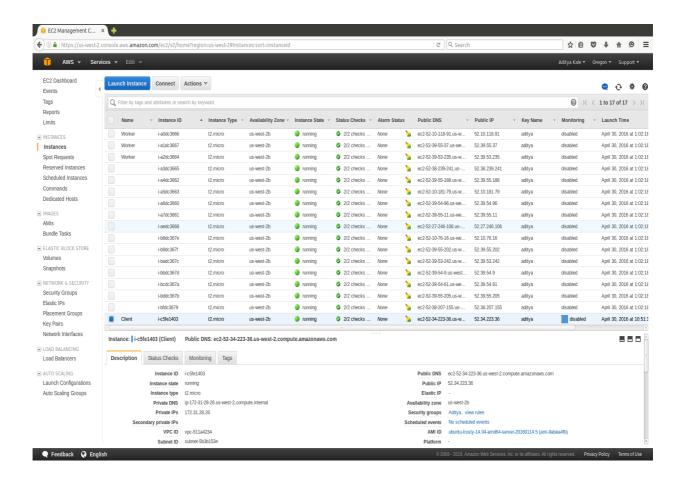


## **Created Queue**

Feedback @ English



### **All Running Instances**



# 16 Running Instances

