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Roll No : 40 B2

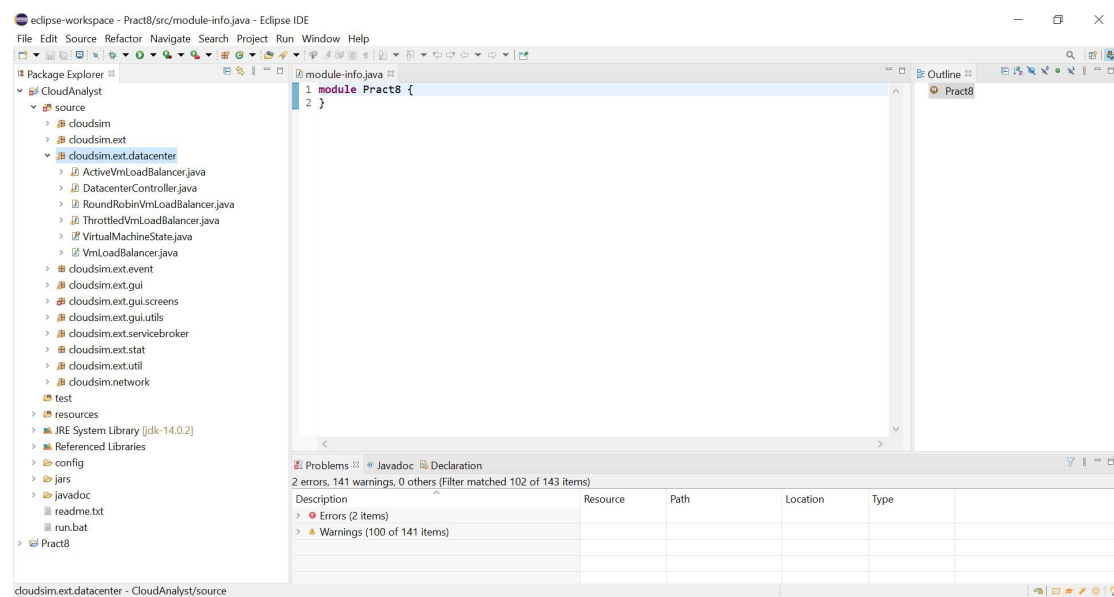
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Problem Statement:

Execute Load Balancing Algorithms using Cloud Analyst Tool on Eclipse IDE.

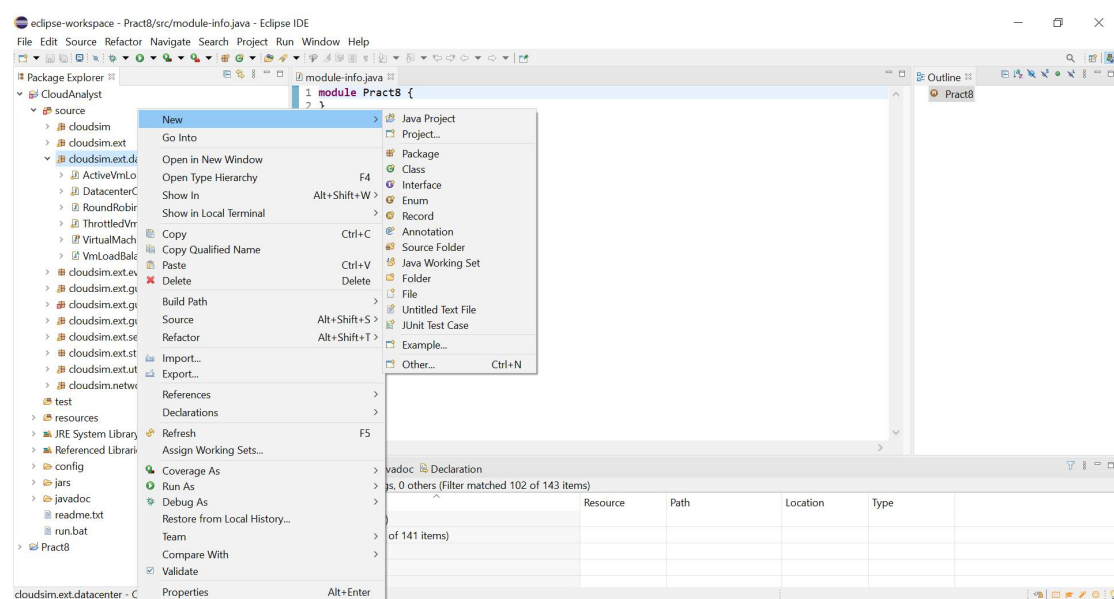
Step 1:

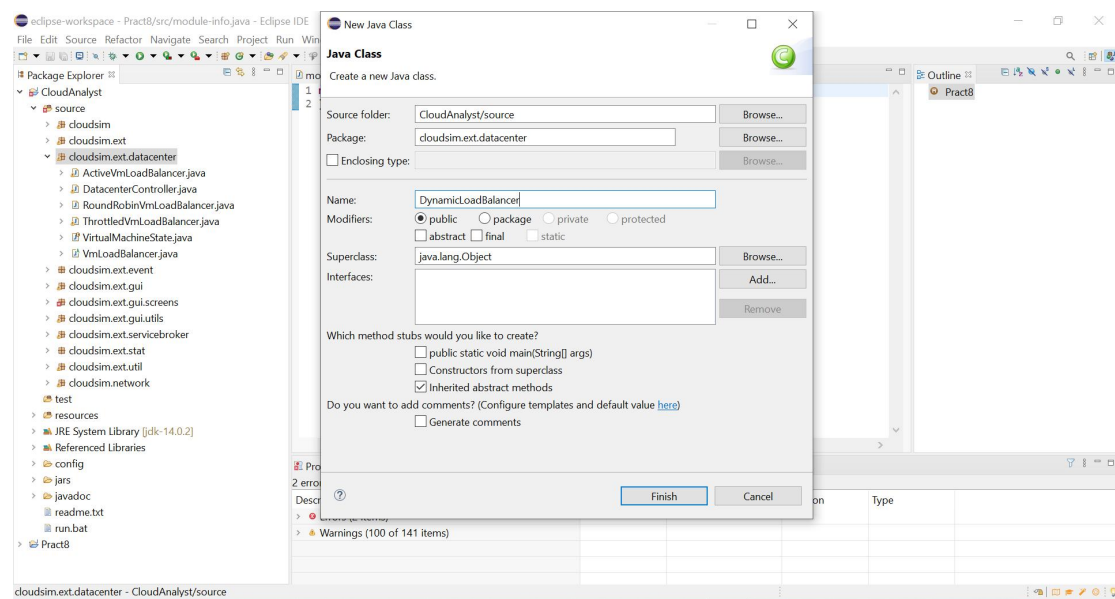
Import CloudAnalyst.zip in Eclipse.



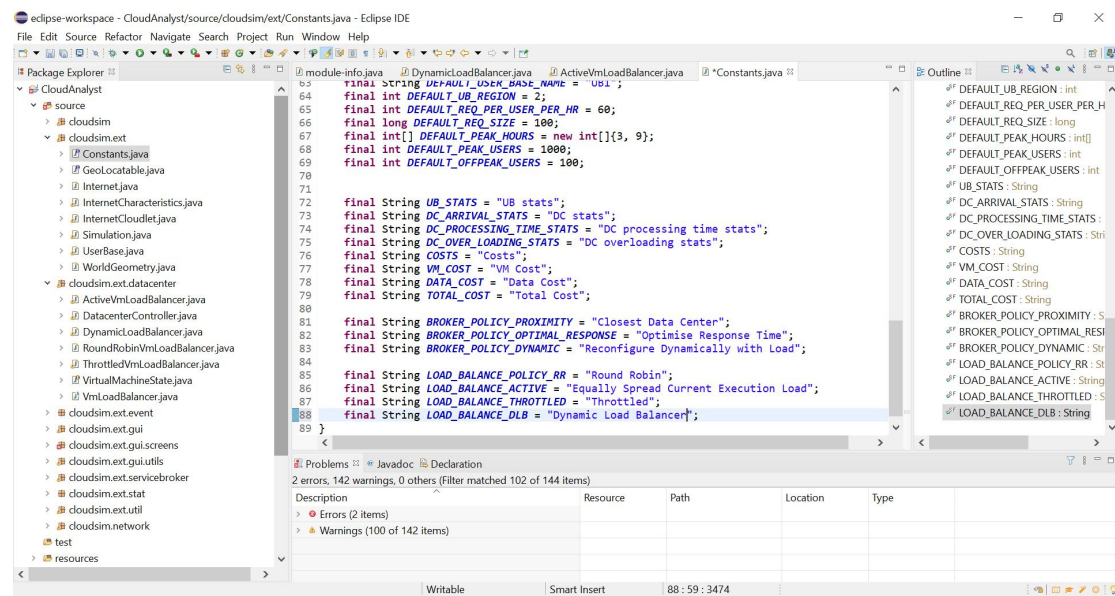
Step 2:

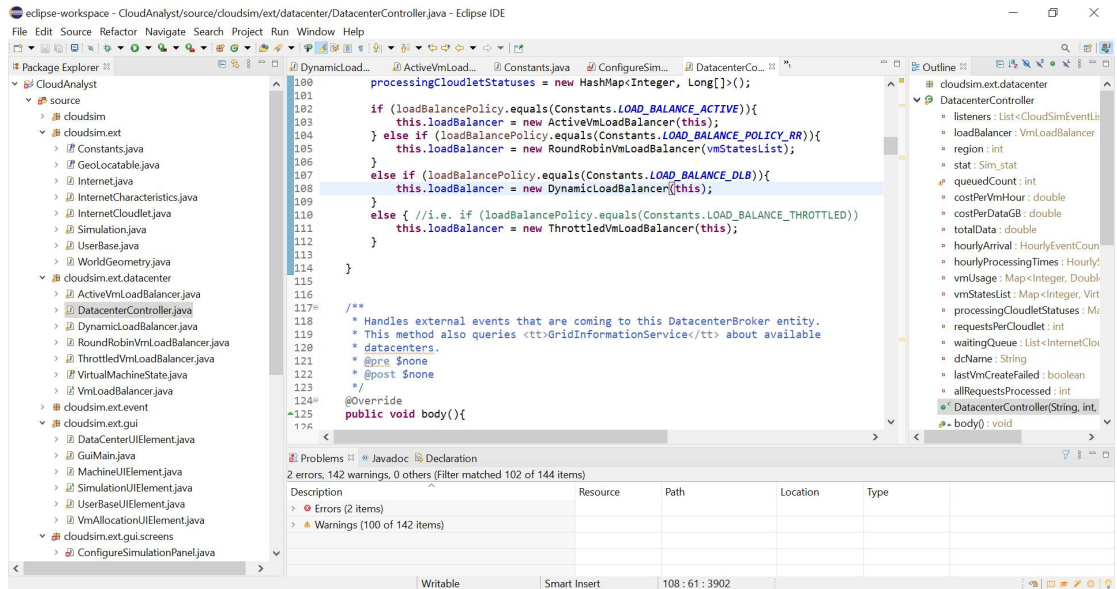
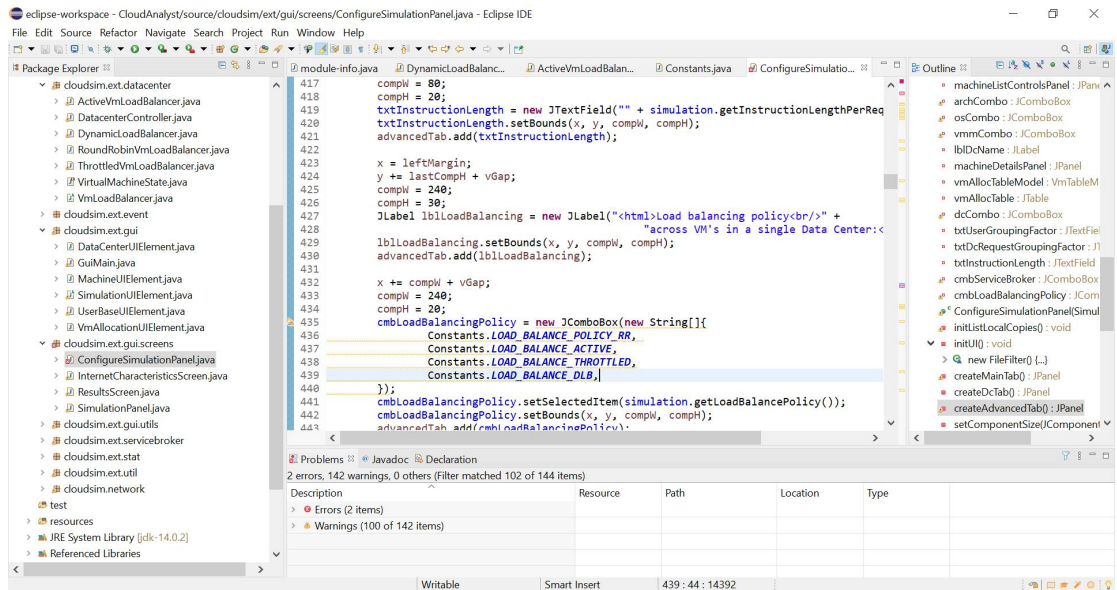
Adding new load balancing algorithm named as Dynamic Load Balancer.



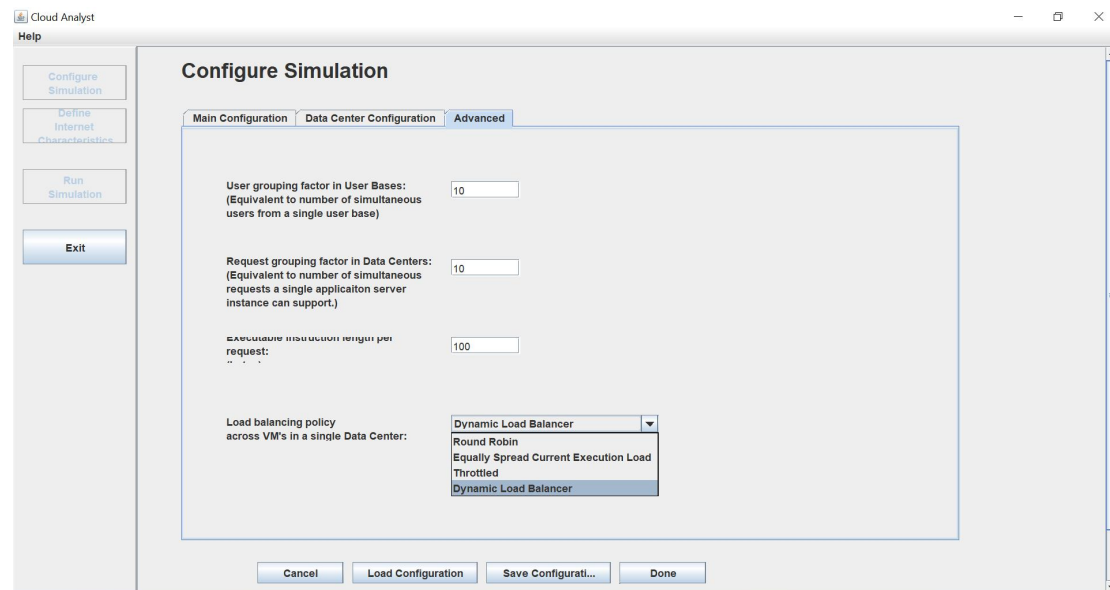


Step 3:
Adding constant for the dynamic load balancing algorithm.





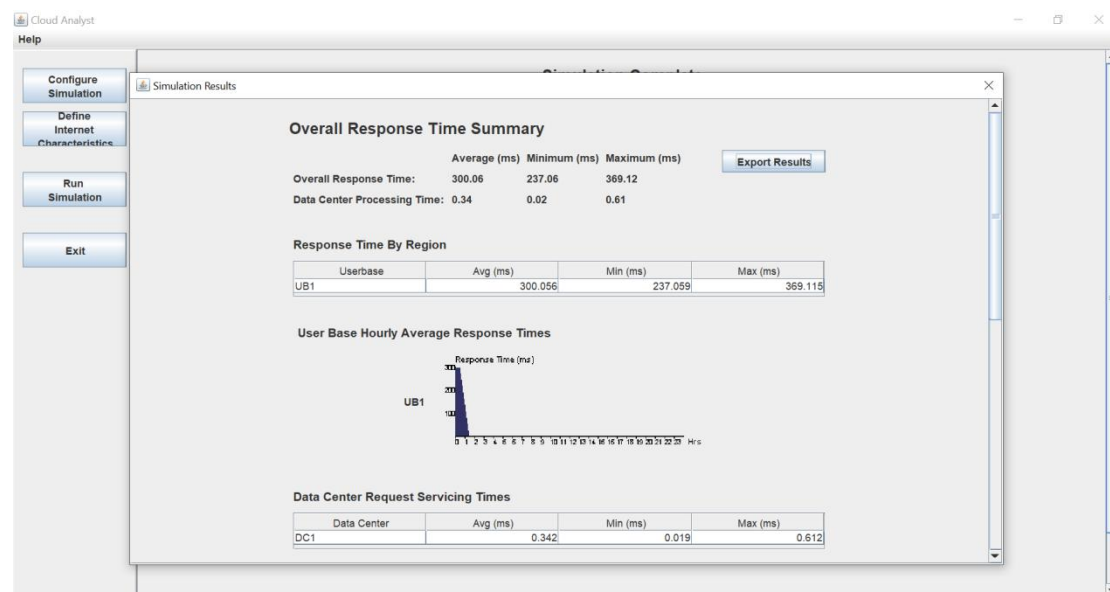
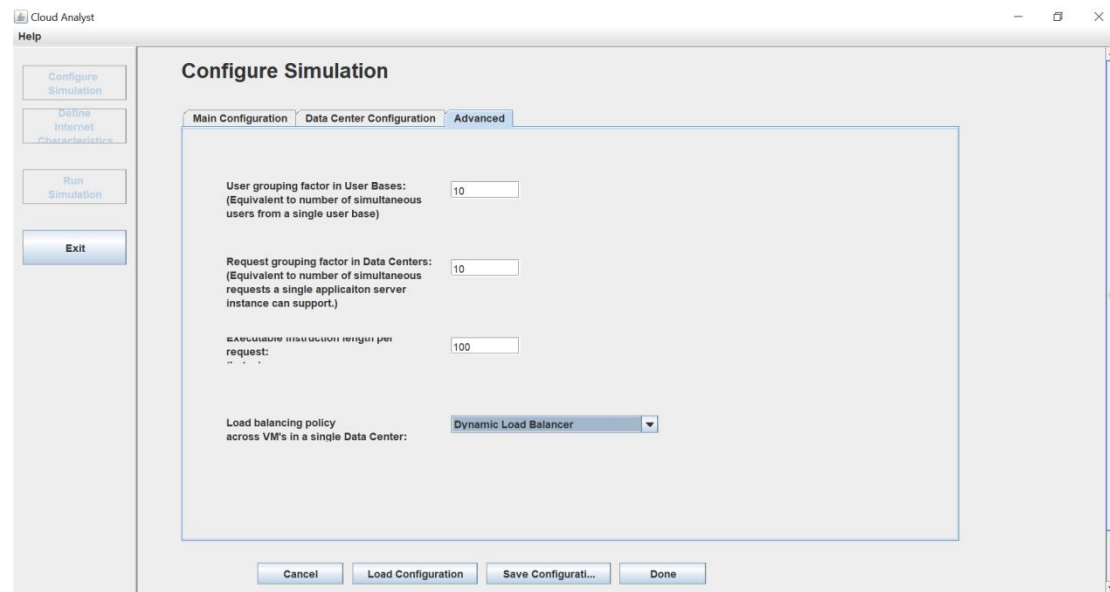
Step 4 :
Now we have four load balancing algorithms.

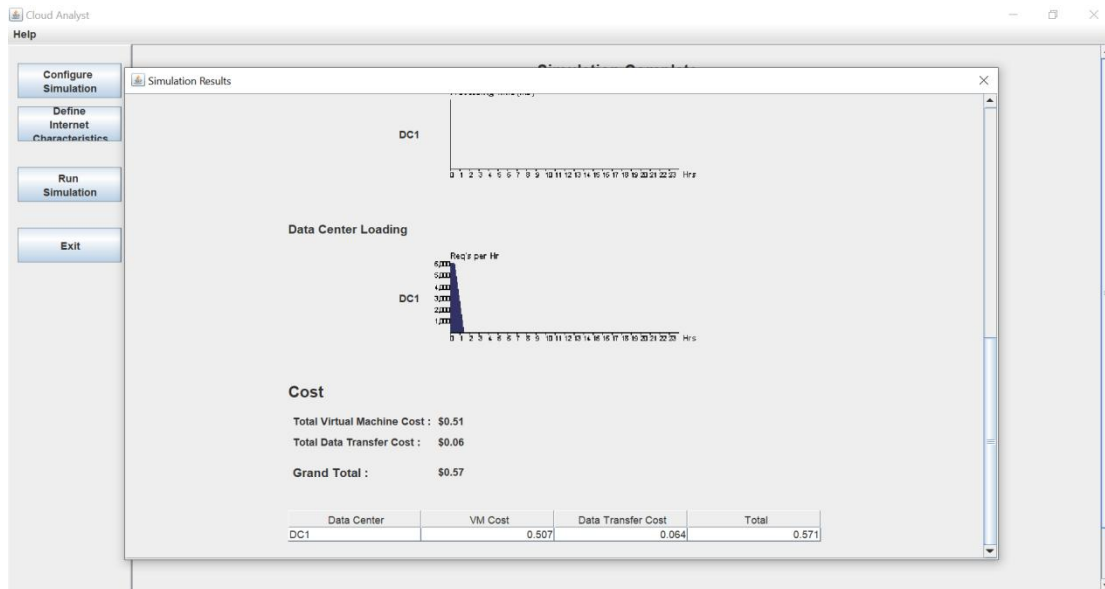
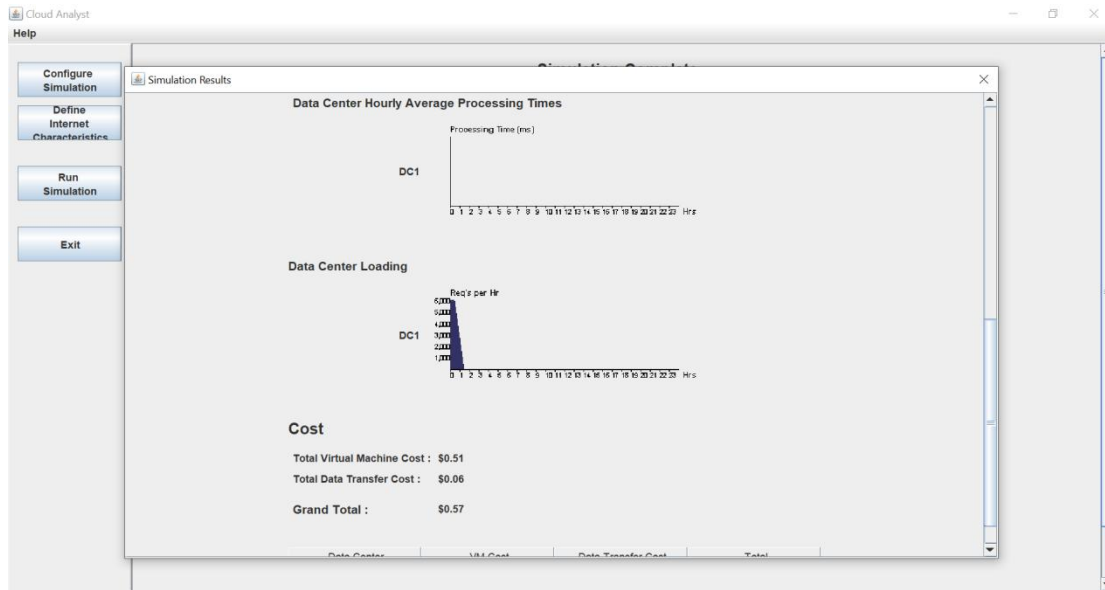


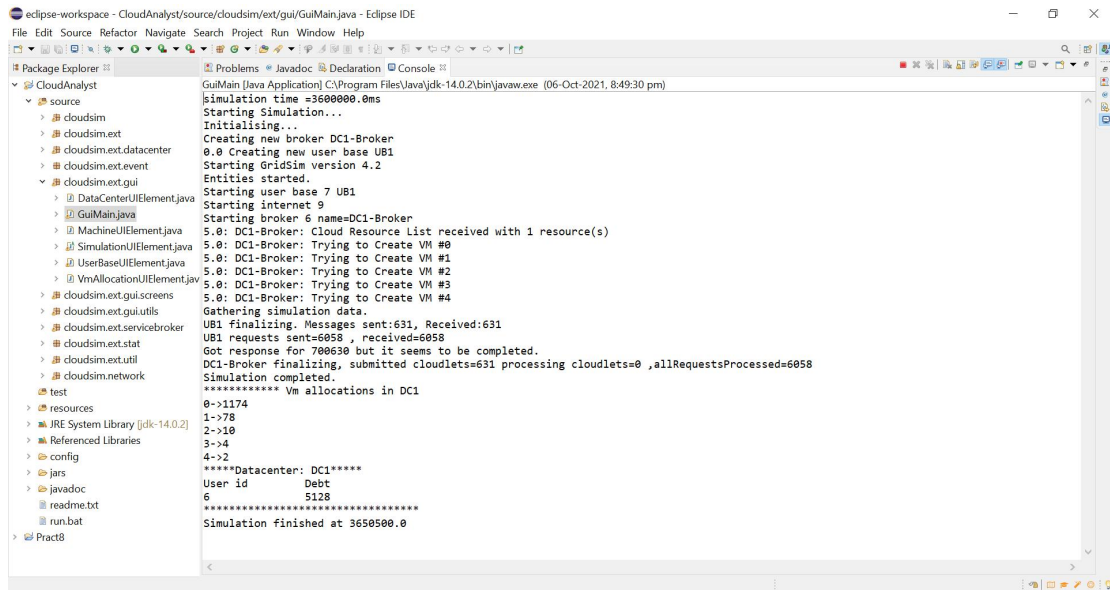
Output:



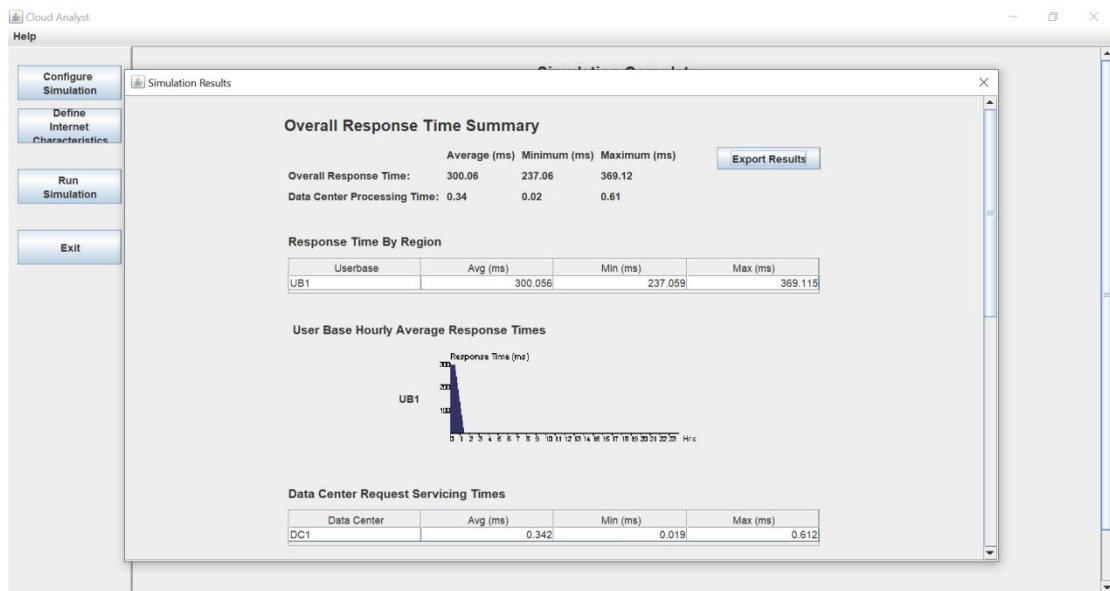
Executing Dynamic Load Balancing Algorithm..

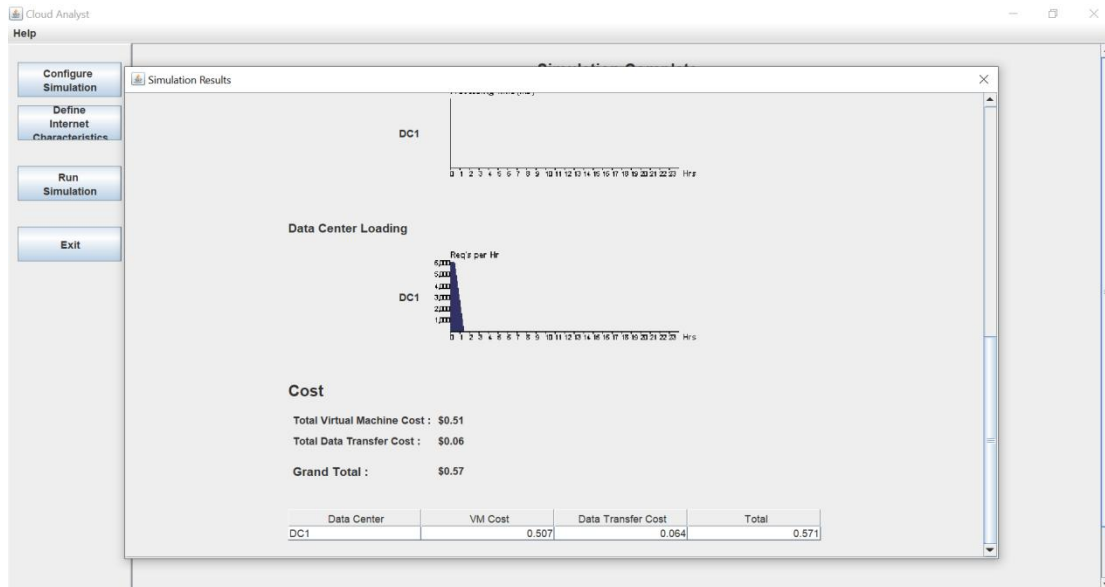
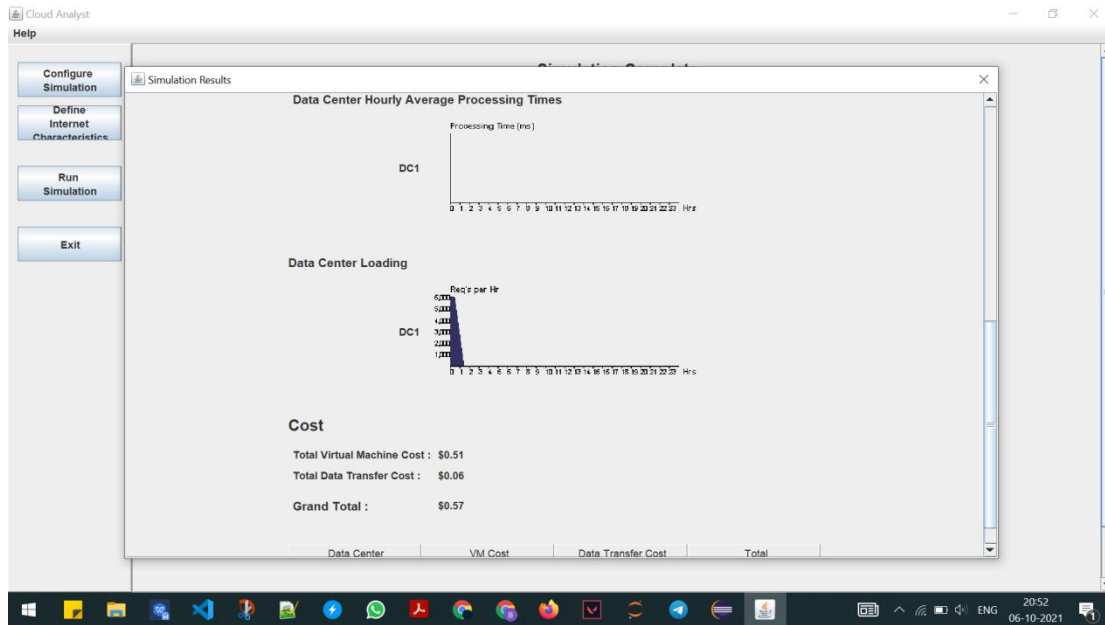




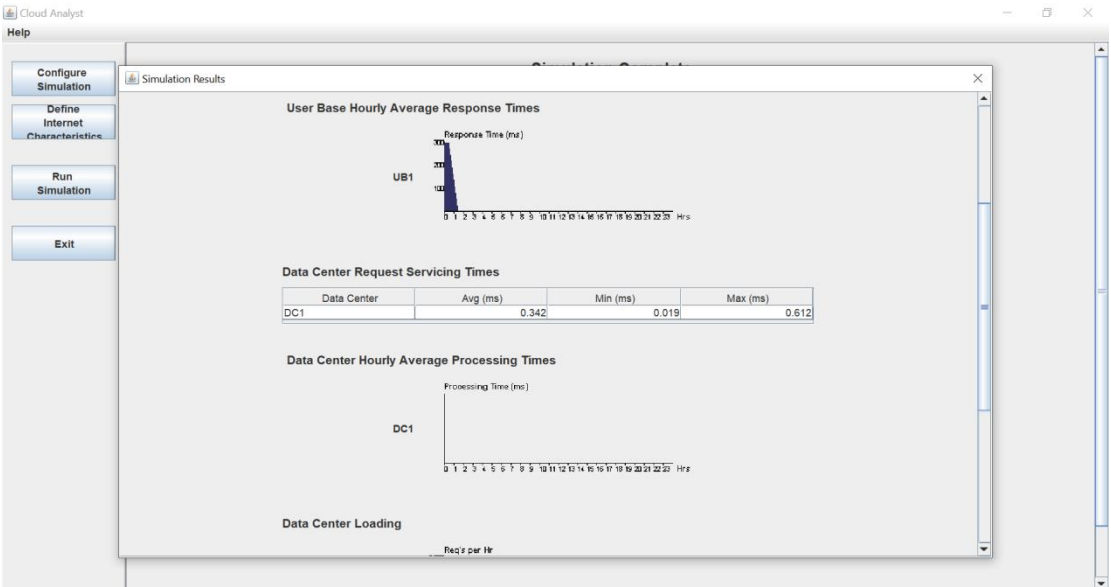
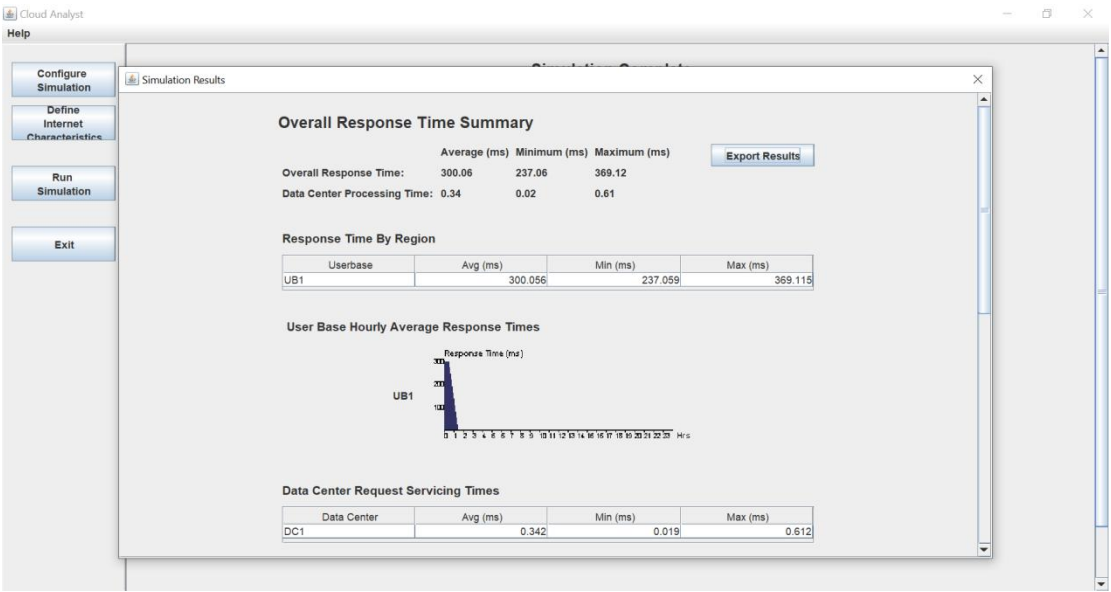


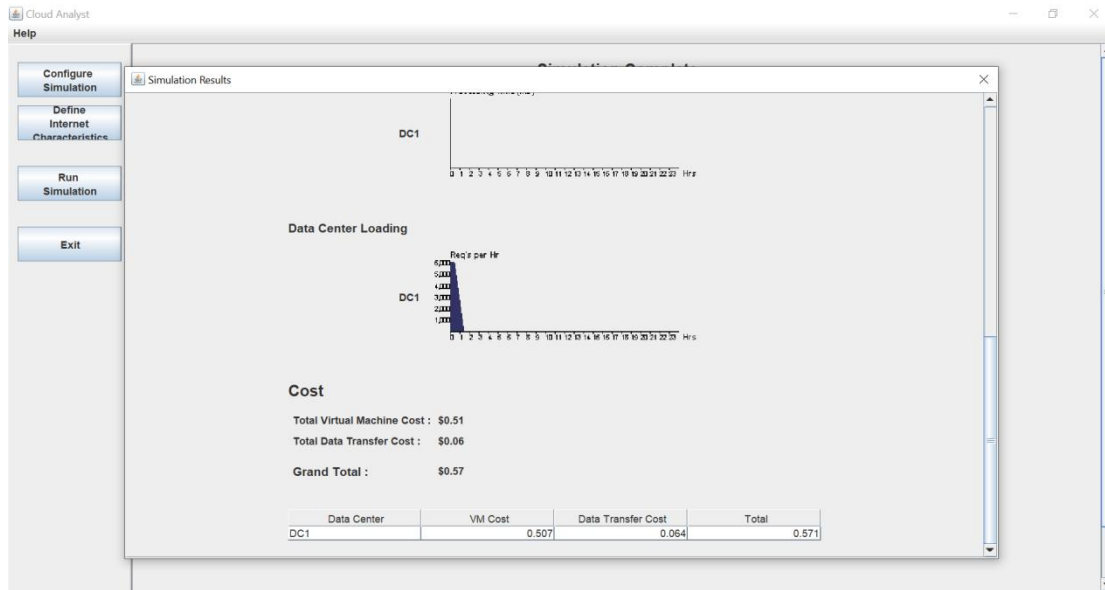
Executing Round Robin Algorithm..





Executing Equally Spread Current Execution Load Balancing Algorithm..





Executing Throttled Algorithm..

Cloud Analyst

Help

Configure Simulation

Define Internet Characteristics

Run Simulation

Exit

Configure Simulation

Main Configuration | Data Center Configuration | Advanced

User grouping factor in User Bases:
(Equivalent to number of simultaneous users from a single user base)

Request grouping factor in Data Centers:
(Equivalent to number of simultaneous requests a single application server instance can support.)

Maximum maximum request per request:

Load balancing policy across VM's in a single Data Center:

Throttled

Cancel Load Configuration Save Configurati... Done

