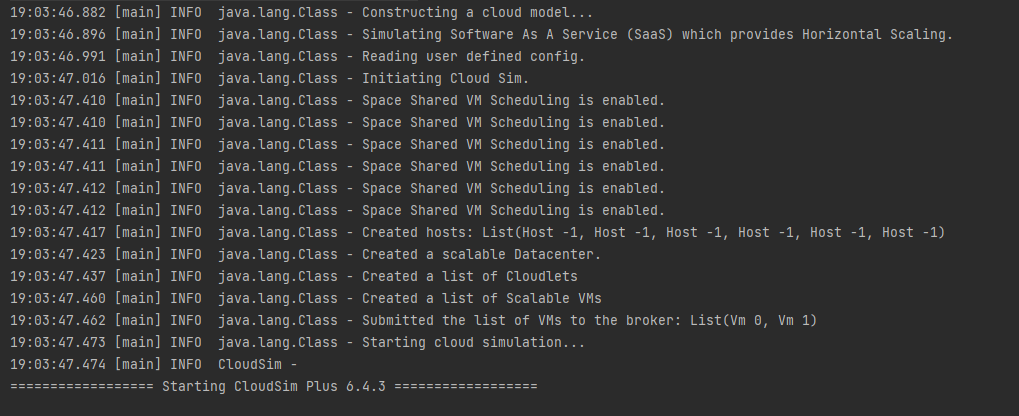
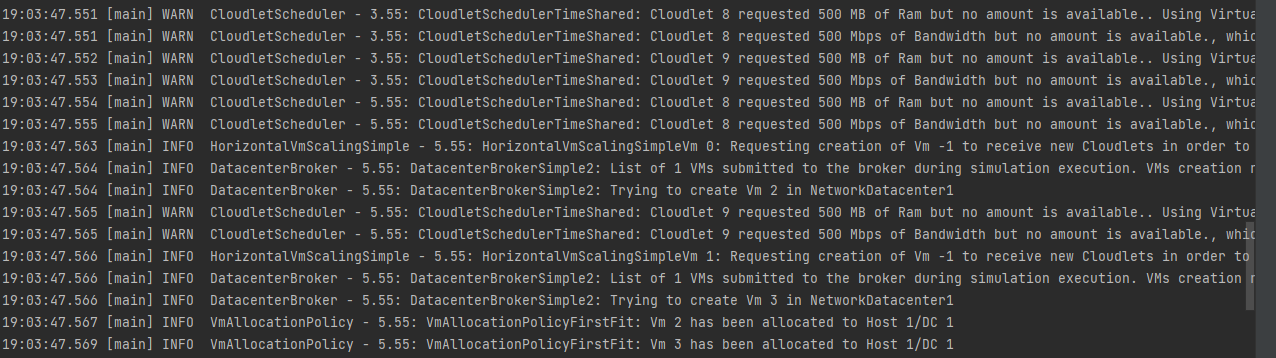
**Horizontal Scalable SaaS Simulation:**

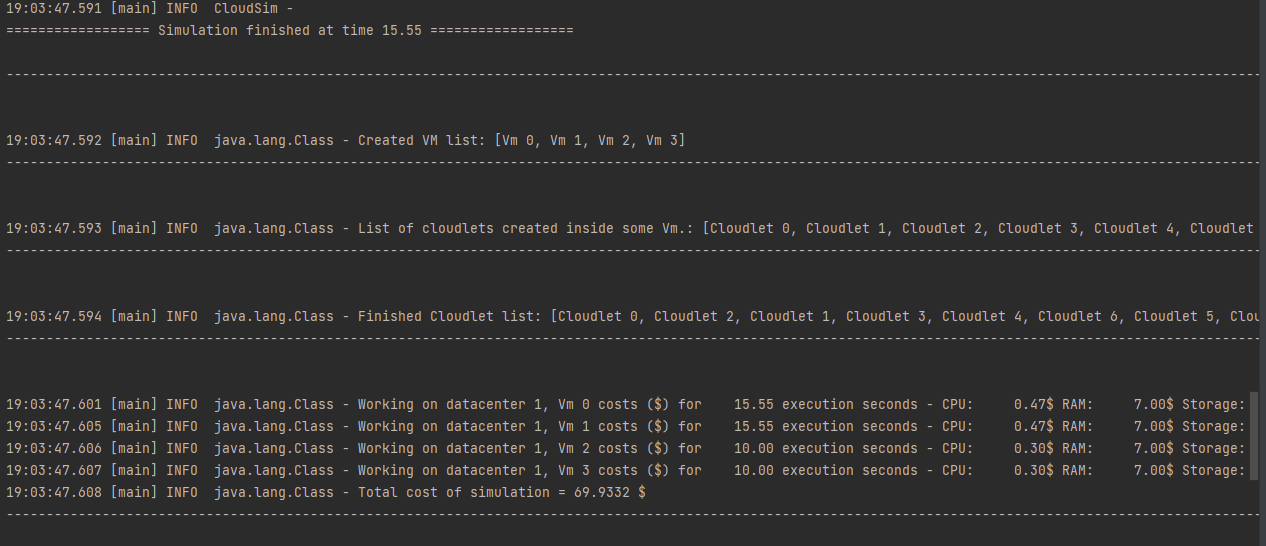
* The datacenter contains 6 hosts and 2 VMs. The user requests to run 10 cloudlets.



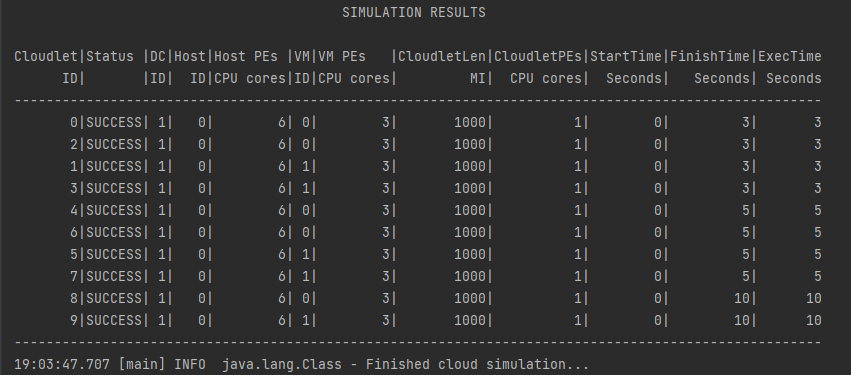
* Since there are less VMs to completely accommodate the request of 10 cloudlets, the horizontal scaling (scale out/increase in number of VMs) takes place.



* The run finishes with 2 extra VMs being created, to accommodate the request of 10 cloudlets.

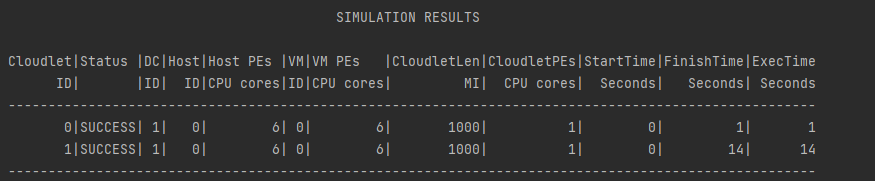


* The final execution summary of the 10 requested cloudlets.



**Space Shared VM Scheduling Simulation:**

IaaS with Space Shared VM scheduling and First Fit VM Allocation Policy, with Utilisation ratio set to 0.7. Each cloudlet runs while taking the resources fully, once that cloudlet finishes running, the other one starts.



**Time Shared VM Scheduling Simulation:**

IaaS with Space Shared VM scheduling and First Fit VM Allocation Policy, with Utilisation ratio set to 0.5. Both the cloudlets start utilizing the resources in parallel, thus taking longer time to finish.

Round Robin scheduling also uses Time Shared VM scheduling.

