README

Lab 2: Hazelcast basics

GitHub:

https://github.com/alorthius/microservices/tree/hazelcast_basics

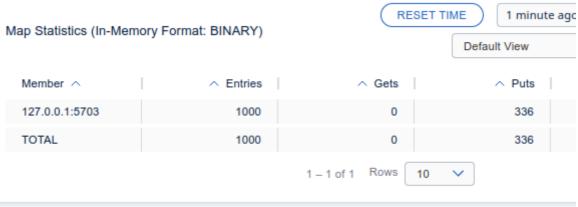
Task 1



• After shutting down first member:

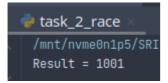


• After shutting down second member:

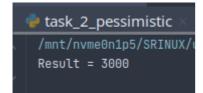


Task 2

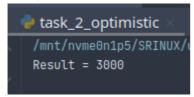
• a. Raced:



• b. Pessimistic:

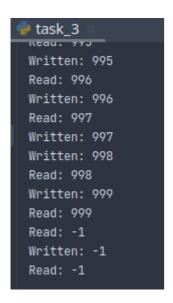


• c. Optimistic:



Task 3

The readers have no conflicts and all the read threads (2) stop after reading poison pill
-1, which is added as the very last queue dummy node item:



• If only producer is writing the items to the queue without reading, the execution will be paused as we reach queue elements limit and don't pop the elements