

Project Report

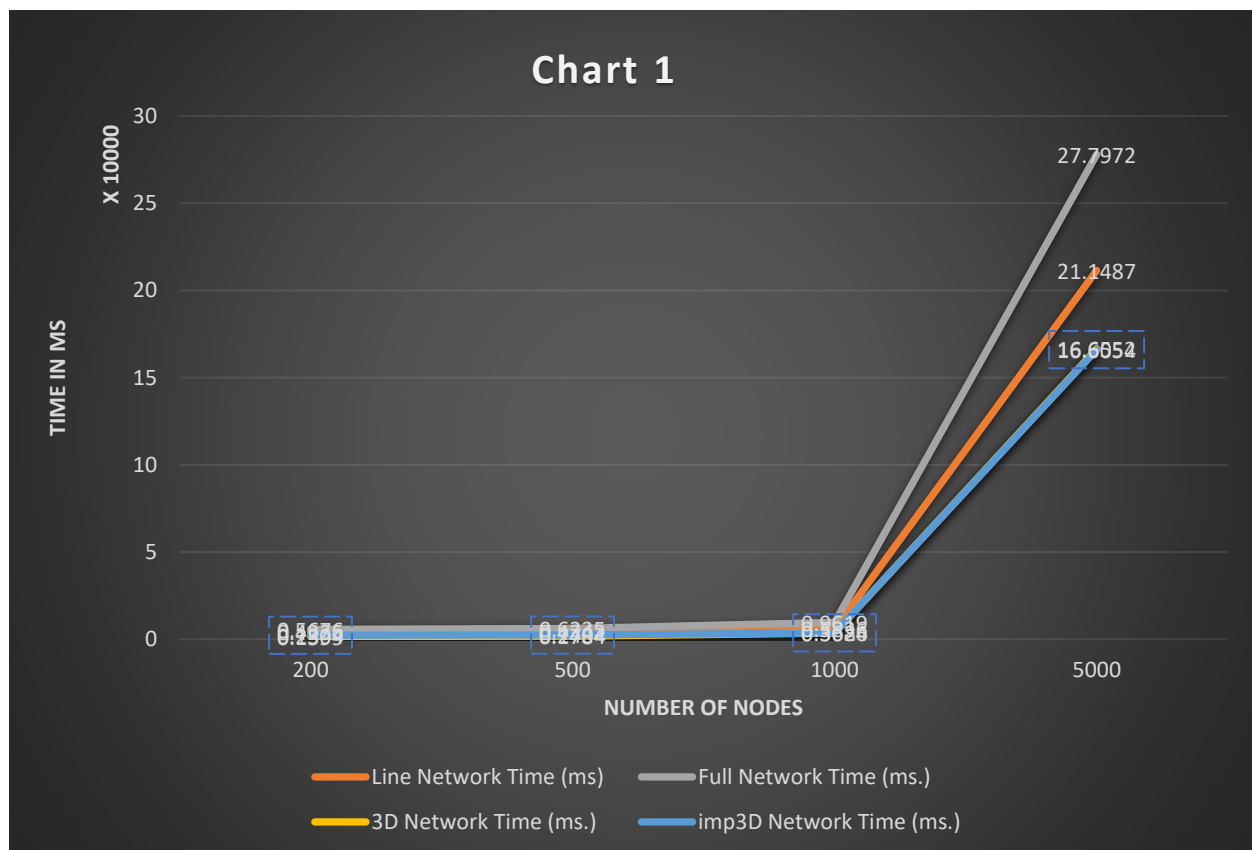
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What is working?

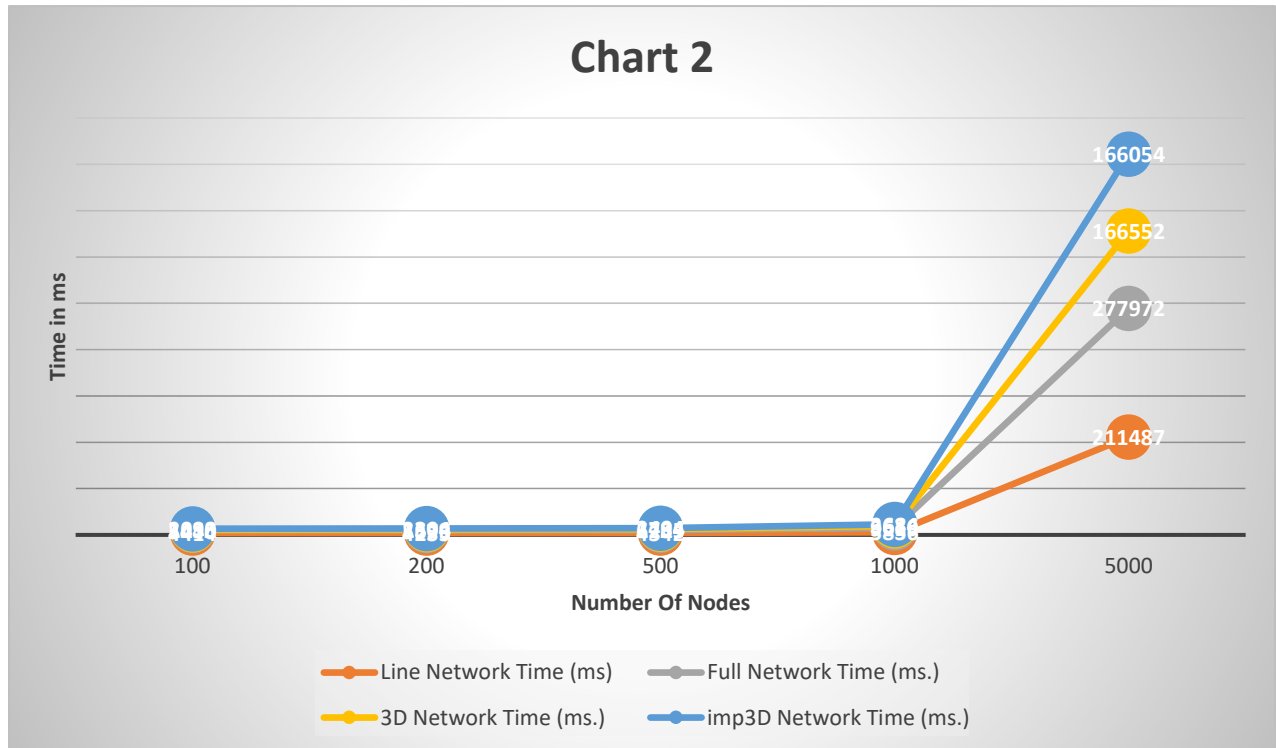
We were able to test both Gossip and Push Sum function for all the 4 topologies on a network size of 5000.

Graphs: convergence time as a function of the size of the network

Gossip Algorithm:



Push Sum:



Interesting observations:

- According to our observation, line topology is taking the maximum time to converge for both the gossip and push-sum algorithms. The probable reason for this is the limited number of neighbors.
- 3D topology is taking minimum time to converge for both the topologies.