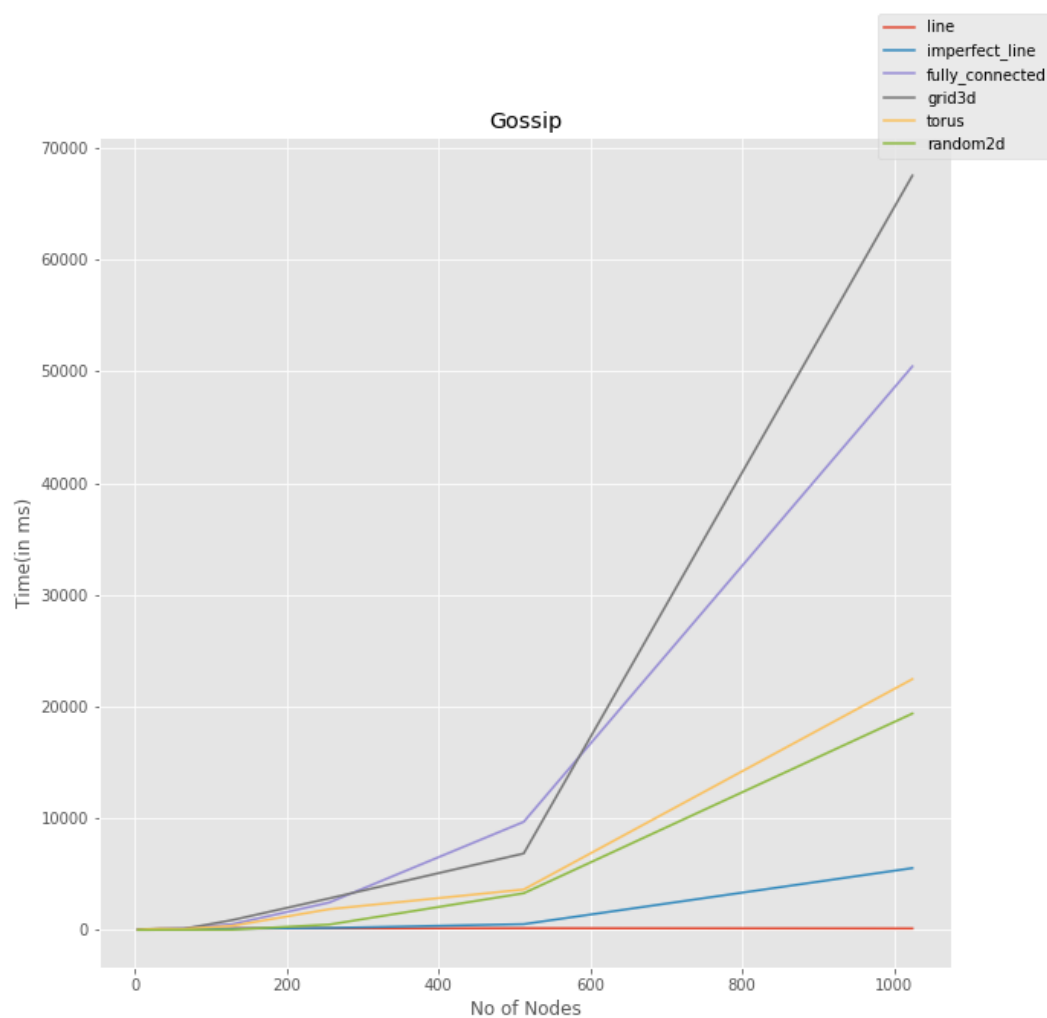# Gossip Simulator Findings

Team Members
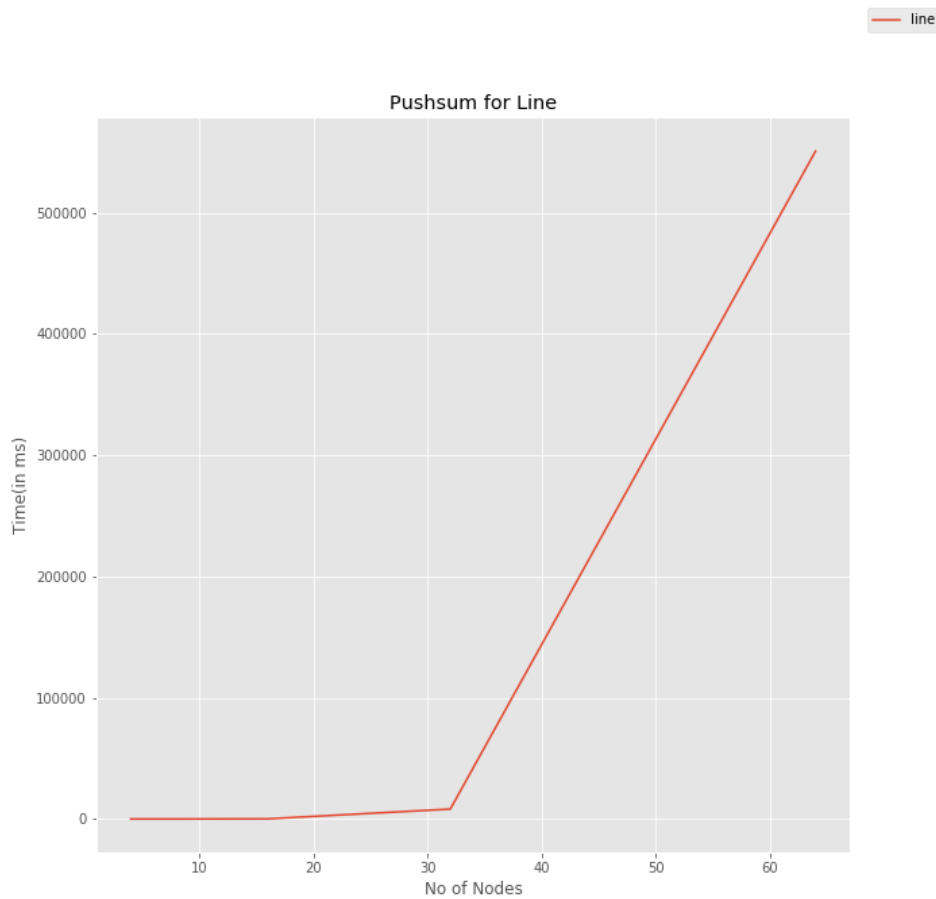
- Rachit Ranjan
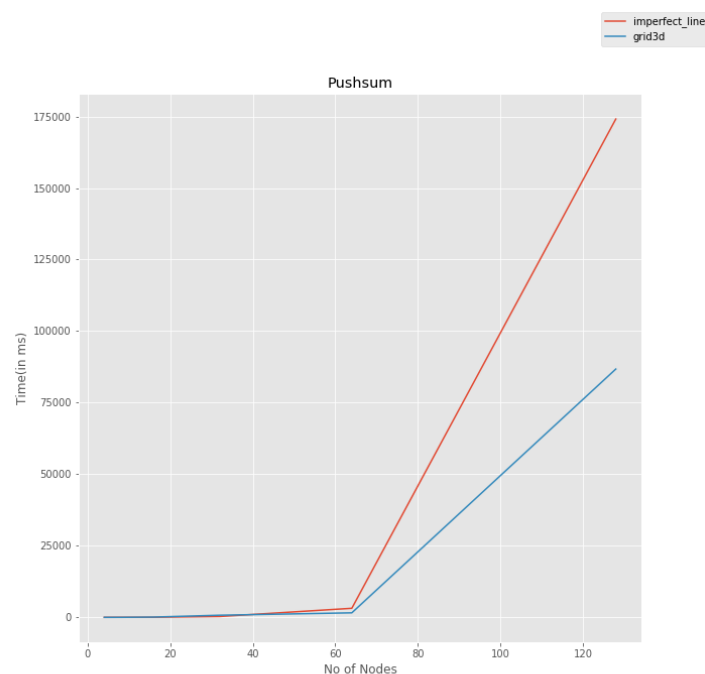
- Aditya Vashist

Observations

- Gossip

Performance Metric: Convergence Time

- ○ Line Topology performed the best with lowest convergence times with increasing number of nodes in the network

- ○ Imperfect line performed akin to Line till an elbow point

- Among the non linear topologies, 3D Grid performed the worst while 2D Random Grid performed the best
- Pushsum
  - For Line topology, the convergence time increased exponentially after 32 nodes mandating representation in a separate graph below

  - Imperfect Line followed in extremely high convergence timings followed closely by 3D Grid

○ Fully Connected Network performed the best among all topologies