

COP 5612 Distributed Operating System Principles

Project-2 Report

Group Members:

1. Rohit Karumuri, UFID: 9097-1158
2. Spandana Edupuganti, UFID:1733-6715.

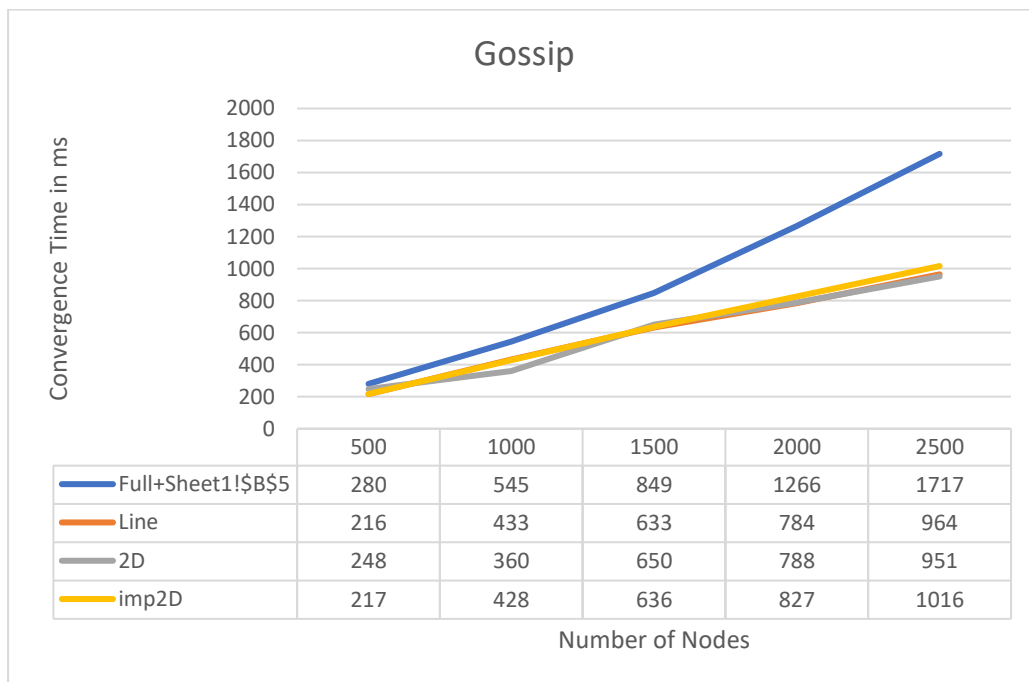
OBSERVATIONS:

Gossip algorithm:

For the gossip algorithm, the ascending order of convergence time is as follows. The first is 2D, second is line, third is Imperfect 2D and fourth is full topology.

Convergence Time Order: 2D < Line < Imperfect 2D < Full

Graph:



Push-sum algorithm:

For the push-sum algorithm, the ascending order of convergence times is as follows: The first is Full network, followed by imperfect 2D, then by 2D and the fourth is Line topology.

Convergence Time Order: Full < Imperfect 2D < 2D ~ Line

Graph:

