

COP5615
Distributed Operating Systems Principles
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Project II
Gossip and Push Sum Implementation

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Instructions for running the project

1. Unzip the attached zipped file to temporary location on the machine.
2. Open command prompt and cd to the location of the "**Project2**" directory contained in the zipped file (make sure sbt is installed on the machine)
3. Run as below

sbt "run numNodes topology algorithm"

Note:

- **numNodes** should be greater than 1
- **Topology** should be one these: line, 2d, imp2d, full
- **Algorithm** should be one of these: gossip, pushsum

Largest network we dealt with:

| Algorithm | Topology | Nodes |
|-----------|--------------|-------|
| Gossip | Line | 5000 |
| Gossip | 2D | 20000 |
| Gossip | Imperfect 2D | 20000 |
| Gossip | Full | 50000 |
| Push Sum | Line | 10000 |
| Push Sum | 2D | 20000 |
| Push Sum | Imperfect 2D | 20000 |
| Push Sum | Full | 50000 |