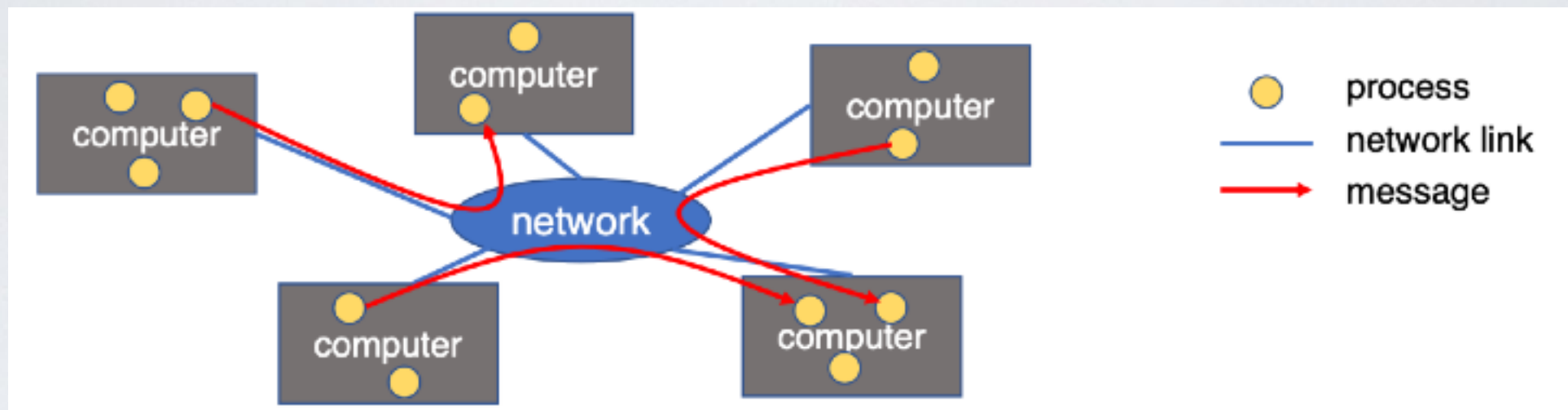


What is a distributed system?

➡ Cooperating processes in a computer network



"A distributed system is one where I can't do work because some machine I've never heard of isn't working!" *Leslie Lamport*

Popular distributed systems today:

Google file systems, BigTable, MapReduce, Hadoop, ZooKeeper, etc.

Forms & models of distributed systems?

Degree of integration

- **Loosely-coupled**
internet applications (e.g email, web, FTP, SSH)
- **Mediumly-coupled**
remote execution (e.g RPC), remote file system (e.g NFS)
- **Tightly-coupled**
distributed file systems (e.g. AFS)

