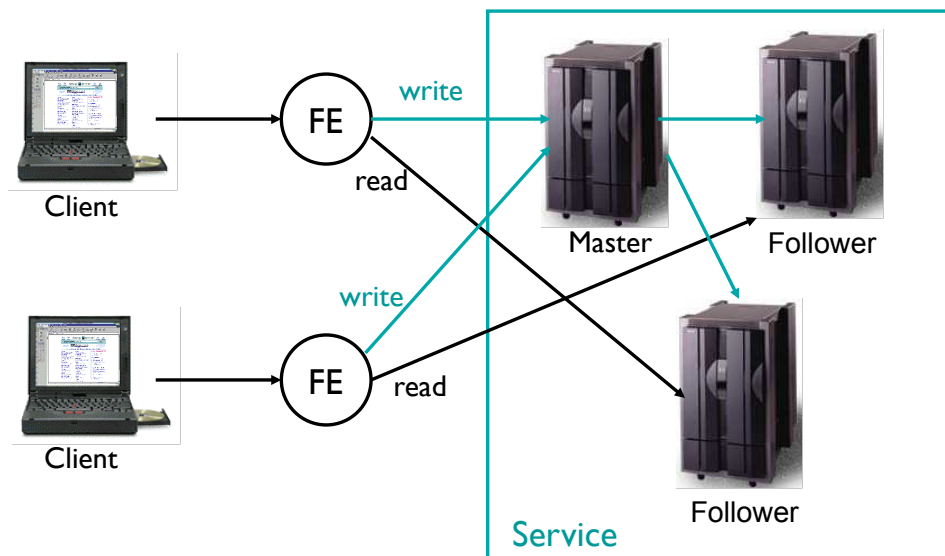


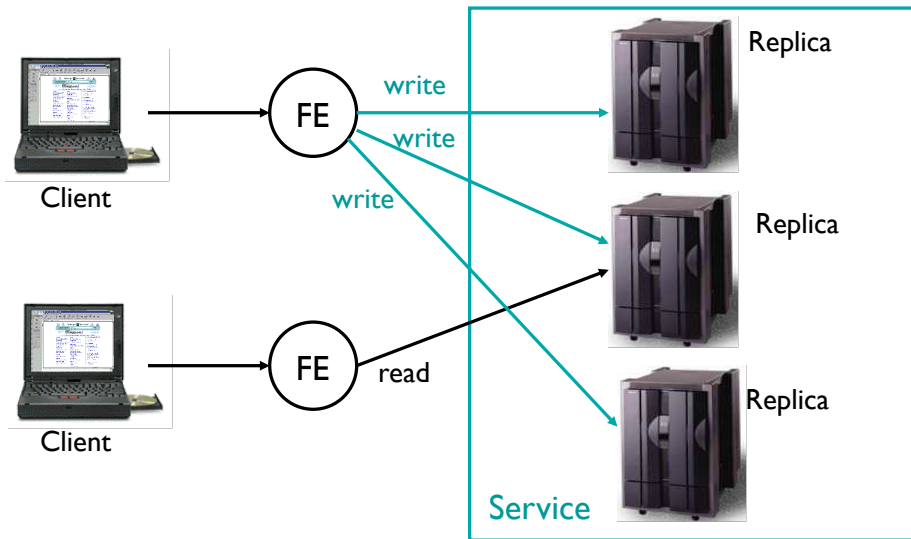
Replication & Fault Tolerance



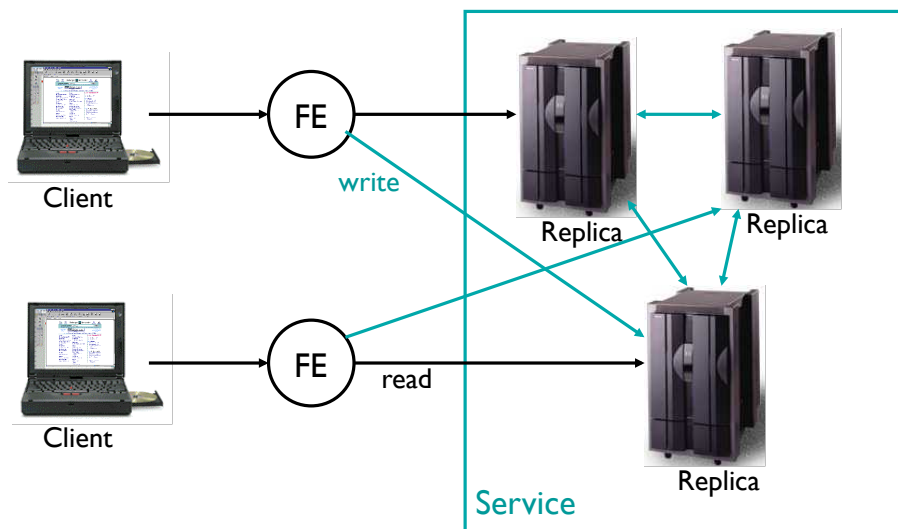
Passive Replication



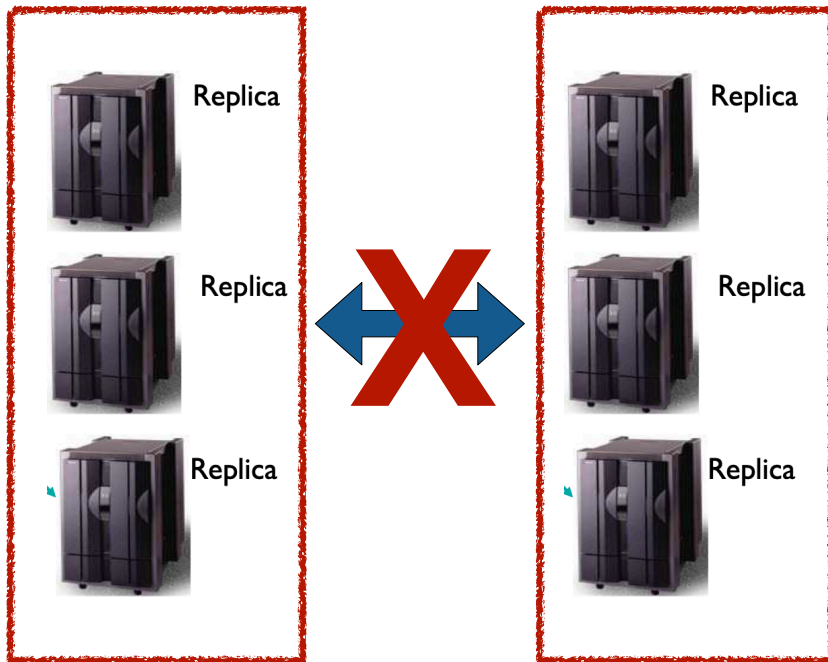
Active Replication



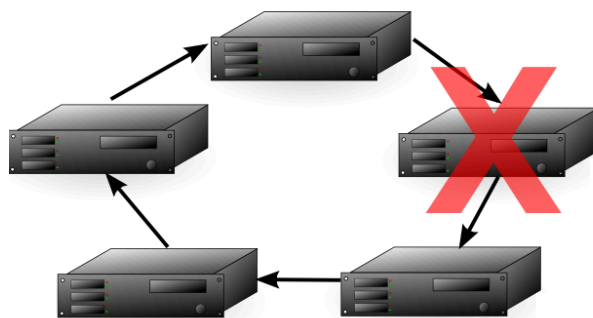
Gossip Architecture



Network Partitions



Fault Tolerance



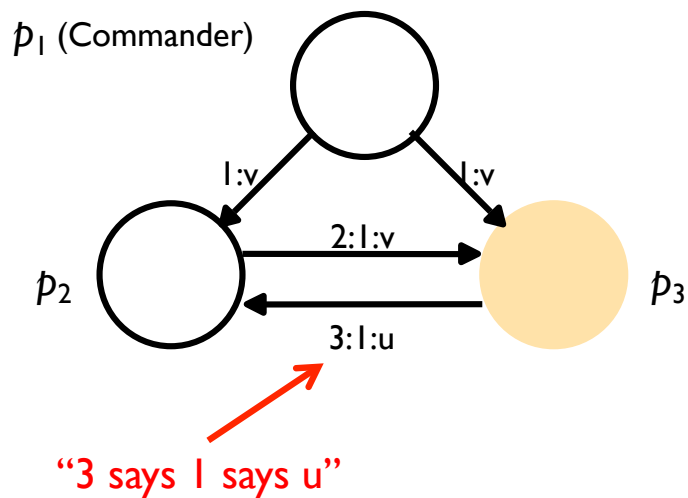
“A distributed system is one in which the failure of a computer you didn't even know existed can render your own computer unusable.”

– Leslie Lamport

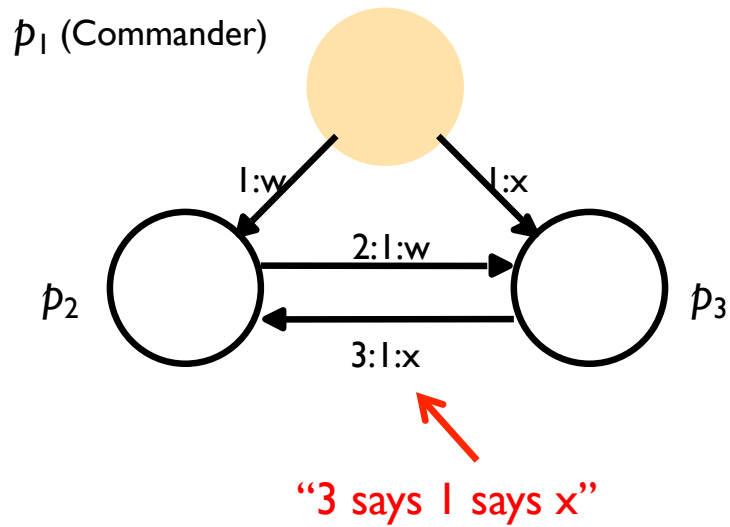
Redundancy



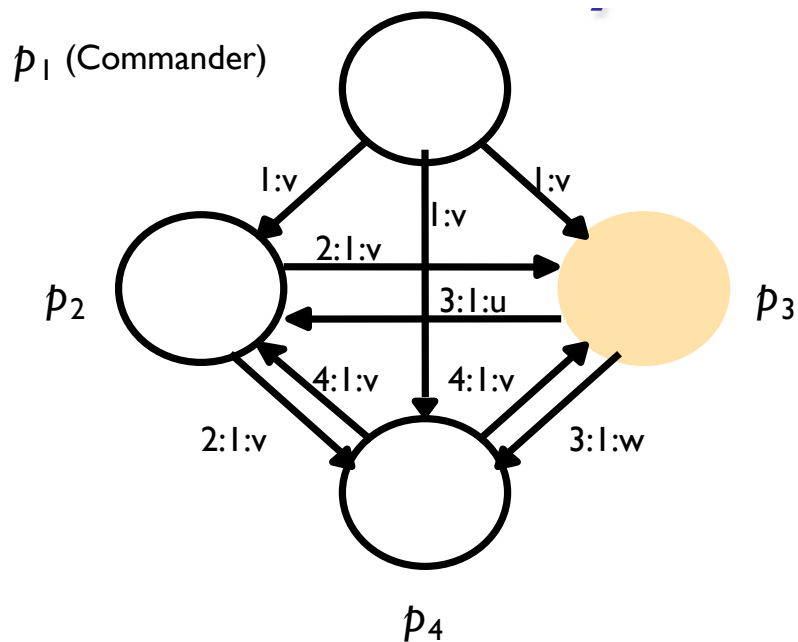
Three Byzantine Generals



Faulty Commander



Four Generals



Faulty Commander (four generals)

