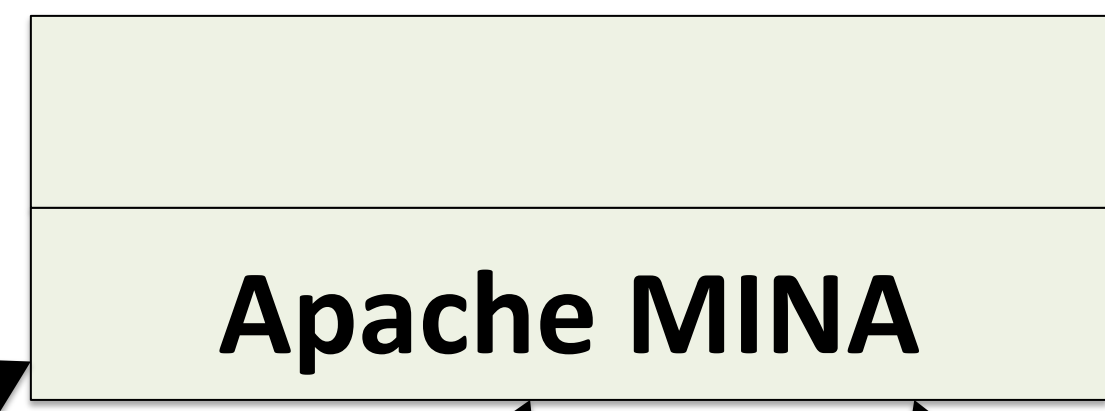


Master Task

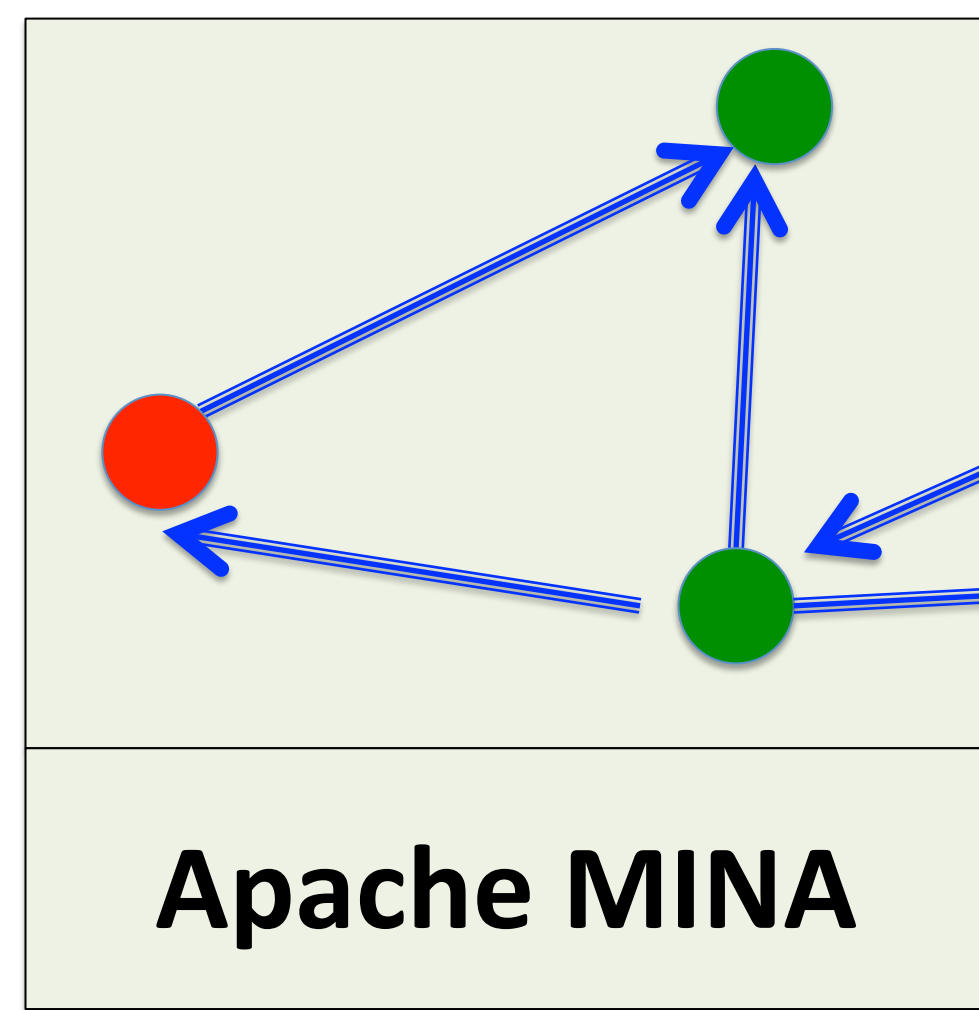


Apache MINA

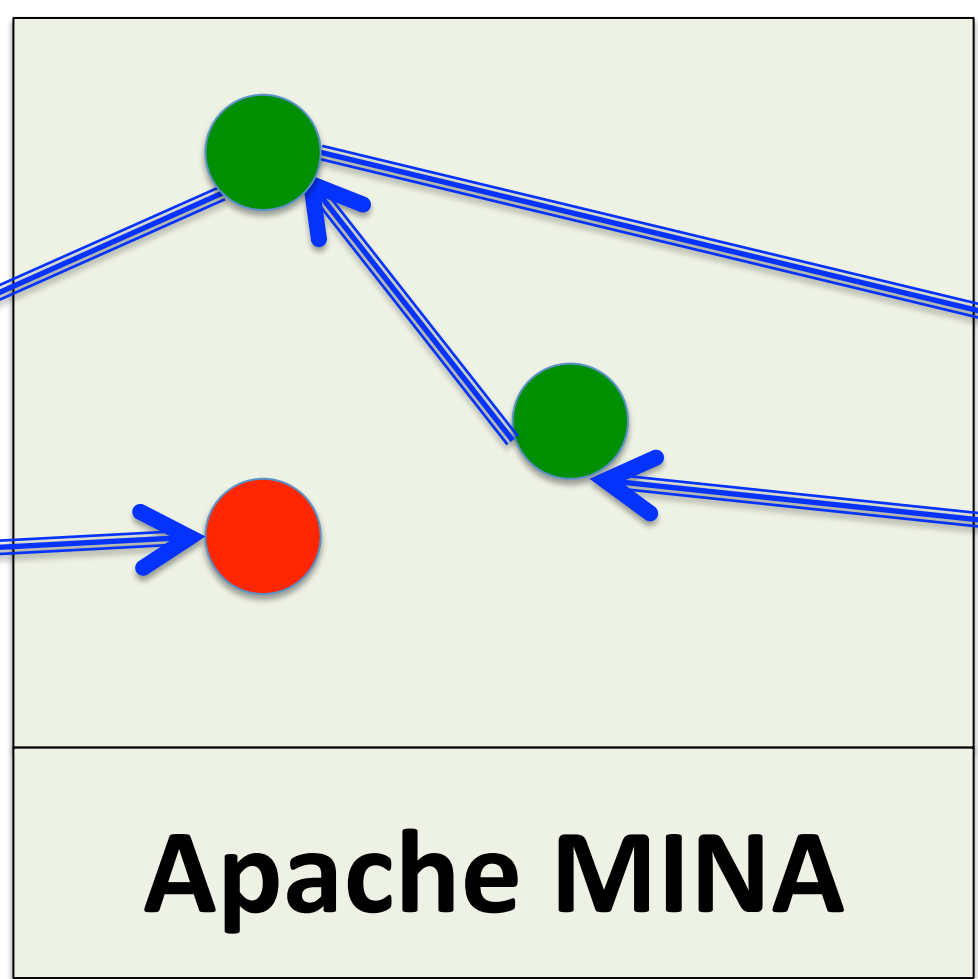
Worker 1

Worker 2

Worker k

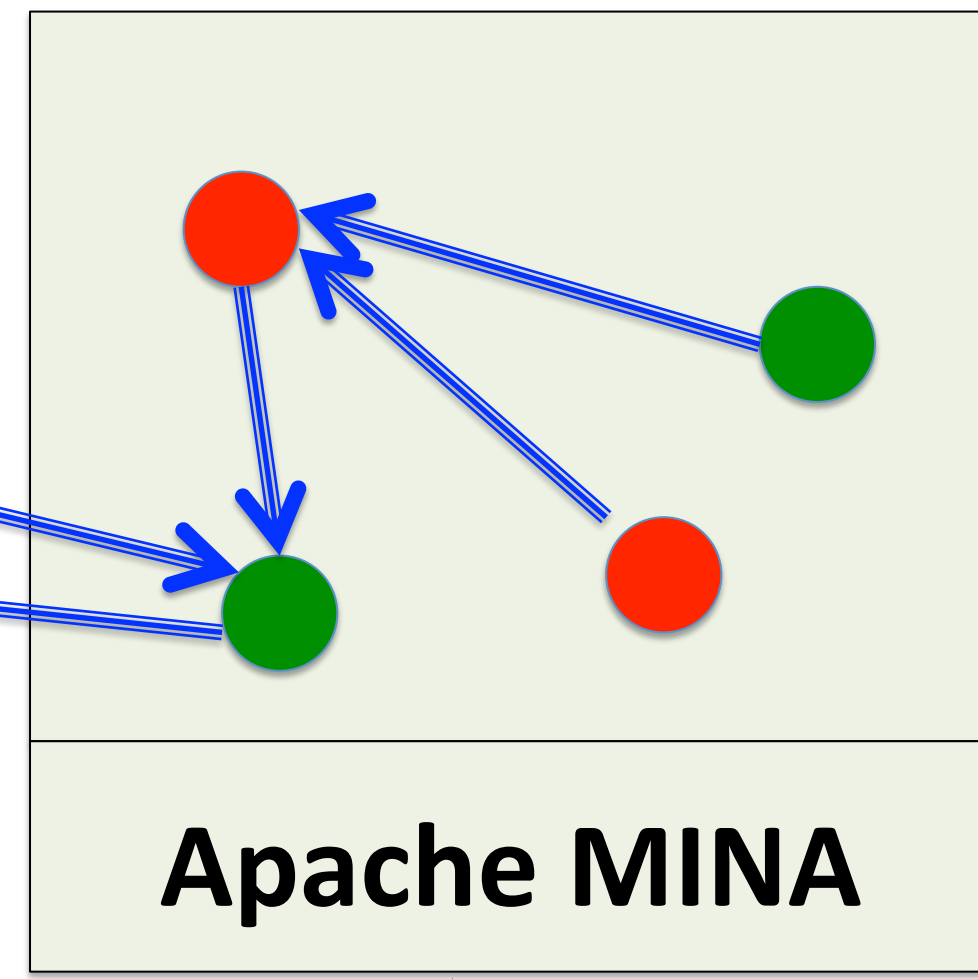


Apache MINA



Apache MINA

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Apache MINA

Hadoop Distributed File System (HDFS)



input graph file
checkpointing files