

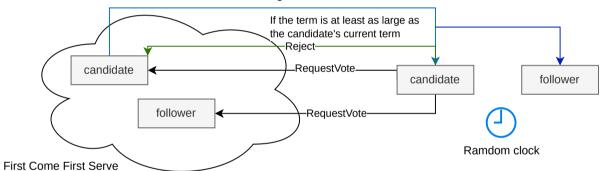
The process

A follower increments its current term and transitions to candidate state.

Votes for iteself and issue RequestVote RPCs in parallel to other servers

Until (a) it wins (b) timeout, no winner

However, a candidate may receive an AppendEntries RPC from aonther server claiming to be leader.



A candidate must contact a majority of the cluster in order to be elected, which means thatevery committed entry must be present in at least one of those servers.



The criterion of the more up-to-date

Compare the terms, greater means more up-to-date

Election Safety

If the trems are equal, longer log means more up-to-date

1 1 1 4 4 5 5 6 6 6 6 6

success, removes extra two 6's

Send request

Log Replication