AddServer RPC

Invoked by admin to add a server to the cluster configuration.

Arguments:

newServer   address of server to add to configuration

Results:

status   OK if server was added successfully
leaderHint   address of recent leader, if known

Receiver implementation:

1. Reply NOT_LEADER if not leader (§6.2)
2. Catch up new server for fixed number of rounds. Reply TIMEOUT if new server does not make progress for an election timeout or if the last round takes longer than the election timeout. (§4.2.1)
3. Wait until previous configuration in log is committed (§4.1)
4. Append new configuration entry to log (old configuration plus newServer), commit it using majority of new configuration (§4.1)
5. Reply OK

RemoveServer RPC

Invoked by admin to remove a server from the cluster configuration.

Arguments:

oldServer   address of server to remove from configuration

Results:

status   OK if server was removed successfully
leaderHint   address of recent leader, if known

Receiver implementation:

1. Reply NOT_LEADER if not leader (§6.2)
2. Wait until previous configuration in log is committed (§4.1)
3. Append new configuration entry to log (old configuration without oldServer), commit it using majority of new configuration (§4.1)
4. Reply OK and, if this server was removed, step down (§4.2.2)