[ZooKeeper-1294](https://www.google.com/url?q=https://issues.apache.org/jira/browse/ZOOKEEPER-1294&sa=D&source=editors&ust=1751358798012050&usg=AOvVaw2IpBy1KFJCthvY6e56bknn)

One of the zookeeper server is not accepting any requests

**(1)  Log information**

**(1.1) Roles in this case**

Server.2 ’s wrong state leads to Server.1’s exception          Server.4 observer

**(1.2) Symptoms**

The zookeeper cluster is configured as: (3 participants and 3 observers)

server.1 = XX.XX.XX.XX:65175:65173                                 server.4 = XX.XX.XX.XX:65205:65203:observer

server.2 = XX.XX.XX.XX:65185:65183                                 server.5 = XX.XX.XX.XX:65215:65213:observer

server.3 = XX.XX.XX.XX:65195:65193                                 server.6 = XX.XX.XX.XX:65225:65223:observer

Steps to reproduce the defect:

1. Start all the 3 participant zookeeper

2. Stop all the participant zookeeper

3. Start zookeeper 1(Participant)

4. Start zookeeper 2 (Participant)

5. Start zookeeper 4 (Observer)

6. Create a persistent node with external client and close it

7. Stop the zookeeper 1(Participant neo quorum is unstable)

8. Create a new client and try to find the node created using exists api (will fail since quorum is not satisfied)

9. Start the Zookeeper 1 (Participant stabilizes the quorum)

(Participant may become leader or follower. Observer is similar to participant, but it will not take part in the vote, and it cannot become leader.)

Now check the observer (Server.4) using 4 letter word

linux-216:/home/amith/CI/source/install/zookeeper/zookeeper2/bin # echo stat | netcat localhost 65200

Zookeeper version: 3.3.2-1031432, built on 11/05/2010 05:32 GMT

Clients:

/127.0.0.1:46370[0](queued=0,recved=1,sent=0)

Latency min/avg/max: 0/0/0

Received: 1

Sent: 0

Outstanding: 0

Zxid: 0x100000003

Mode: observer

Node count: 5

Check the participant 2 (Server.2) with 4 letter word

Latency min/avg/max: 22/48/83

Received: 39

Sent: 3

Outstanding: 35

Zxid: 0x100000003

Mode: leader

Node count: 5

Check the participant 1 with 4 letter word

linux-216:/home/amith/CI/source/install/zookeeper/zookeeper2/bin # echo stat | netcat localhost 65170

This ZooKeeper instance is not currently serving requests

We can see the participant 1(Server.1) log filled with

2011-11-08 15:49:51,360 - WARN [NIOServerCxn.Factory:0.0.0.0/0.0.0.0:65170:NIOServerCnxn@642] - Exception causing close of session 0x0 due to java.io.IOException: ZooKeeperServer not running