[ZooKeeper-790](https://www.google.com/url?q=https://issues.apache.org/jira/browse/ZOOKEEPER-790&sa=D&source=editors&ust=1751358805406242&usg=AOvVaw1B0EoauzST5VQJe_Z5DNxr)

Last processed zxid set prematurely while establishing leadership

**(1)  Log information**

**(1.1) Roles in this case**

server1  fails to join the ensemble (server2: leader        server3:  follower)

**(1.2) Symptoms**

Scenario:

* Form a 3 node cluster.
* Kill one of the follower (server1 is killed)
* After a minute or so restart follower
* Follower rejects leader with "Leader epoch y is less than our epoch y + 1"

server1 cannot join the ensemble which consists of server2 and server3.

2010-06-20 23:22:46,421 - DEBUG [WorkerSender Thread:QuorumCnxManager@346] - Opening channel to server 1

2010-06-20 23:22:46,423 - DEBUG [WorkerReceiver Thread:FastLeaderElection$Messenger$WorkerReceiver@214] - Receive new notification message. My id = 0

2010-06-20 23:22:46,424 - INFO [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@689] - Notification: 0, 77309411393, 1, 0, LOOKING, LOOKING, 0

2010-06-20 23:22:46,424 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@495] - id: 0, proposed id: 0, zxid: 77309411393, proposed zxid: 77309411393

2010-06-20 23:22:46,424 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@717] - Adding vote: From = 0, Proposed leader = 0, Porposed zxid = 77309411393, Proposed epoch = 1

2010-06-20 23:22:46,426 - INFO [WorkerSender Thread:QuorumCnxManager@162] - Have smaller server identifier, so dropping the connection: (1, 0)

2010-06-20 23:22:46,426 - DEBUG [WorkerSender Thread:QuorumCnxManager@346] - Opening channel to server 2

2010-06-20 23:22:46,427 - DEBUG [Thread-1:QuorumCnxManager$Listener@445] - Connection request /192.168.1.182:46701

2010-06-20 23:22:46,427 - DEBUG [Thread-1:QuorumCnxManager$Listener@448] - Connection request: 0

2010-06-20 23:22:46,428 - DEBUG [Thread-1:QuorumCnxManager$SendWorker@504] - Address of remote peer: 1

2010-06-20 23:22:46,428 - INFO [WorkerSender Thread:QuorumCnxManager@162] - Have smaller server identifier, so dropping the connection: (2, 0)

2010-06-20 23:22:46,431 - DEBUG [WorkerReceiver Thread:FastLeaderElection$Messenger$WorkerReceiver@214] - Receive new notification message. My id = 0

2010-06-20 23:22:46,432 - INFO [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@689] - Notification: 1, 77309411372, 1, 0, LOOKING, LOOKING, 1

2010-06-20 23:22:46,432 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@495] - id: 1, proposed id: 0, zxid: 77309411372, proposed zxid: 77309411393

2010-06-20 23:22:46,432 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@717] - Adding vote: From = 1, Proposed leader = 1, Porposed zxid = 77309411372, Proposed epoch = 1

2010-06-20 23:22:46,436 - DEBUG [Thread-1:QuorumCnxManager$Listener@445] - Connection request /192.168.1.183:44310

2010-06-20 23:22:46,436 - DEBUG [Thread-1:QuorumCnxManager$Listener@448] - Connection request: 0

2010-06-20 23:22:46,436 - DEBUG [Thread-1:QuorumCnxManager$SendWorker@504] - Address of remote peer: 2

2010-06-20 23:22:46,440 - DEBUG [WorkerReceiver Thread:FastLeaderElection$Messenger$WorkerReceiver@214] - Receive new notification message. My id = 0

2010-06-20 23:22:46,440 - INFO [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@689] - Notification: 2, 73014444097, 1, 0, LOOKING, LOOKING, 2

2010-06-20 23:22:46,440 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@495] - id: 2, proposed id: 0, zxid: 73014444097, proposed zxid: 77309411393

2010-06-20 23:22:46,441 - DEBUG [QuorumPeer:/0.0.0.0:2181:FastLeaderElection@717] - Adding vote: From = 2, Proposed leader = 2, Porposed zxid = 73014444097, Proposed epoch = 1

2010-06-20 23:22:46,441 - INFO [QuorumPeer:/0.0.0.0:2181:QuorumPeer@647] - LEADING

In server1’s log, we find that the following logs keeps printing:

2010-07-15 02:39:43,105 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:FileSnap@82] - Reading snapshot /data/zookeeper/version-2/snapshot.2300001ac2

2010-07-15 02:39:43,321 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:FastLeaderElection@649] - New election. My id =  1, Proposed zxid = 154618826848

2010-07-15 02:39:43,322 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:FastLeaderElection@689] - Notification: 1, 154618826848, 4, 1, LOOKING, LOOKING, 1

...

2010-07-15 02:39:43,325 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:FastLeaderElection@799] - Notification: 2, 146030952153, 3, 1, LOOKING, LEADING, 2

2010-07-15 02:39:43,326 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:FastLeaderElection@799] - Notification: 2, 146030952153, 3, 1, LOOKING, FOLLOWING, 3

2010-07-15 02:39:43,326 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:QuorumPeer@642] - FOLLOWING

...

2010-07-15 02:39:43,339 - FATAL [QuorumPeer:/0:0:0:0:0:0:0:0:2181:Follower@71] - Leader epoch 23 is less than our epoch 24

2010-07-15 02:39:43,339 - WARN  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:Follower@82] - Exception when following the leader

java.io.IOException: Error: Epoch of leader is lower

                      at org.apache.zookeeper.server.quorum.Follower.followLeader(Follower.java:73)

                      at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:644)

2010-07-15 02:39:43,340 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:Follower@166] - shutdown called

java.lang.Exception: shutdown Follower

                      at org.apache.zookeeper.server.quorum.Follower.shutdown(Follower.java:166)

                      at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:648)

2010-07-15 02:39:43,340 - INFO  [QuorumPeer:/0:0:0:0:0:0:0:0:2181:QuorumPeer@620] - LOOKING

The logs above show that every time when server1 starts leader election, it will soon fail with the FATAL: “Leader epoch 23 is less than our epoch 24”, and this process repeats. The notifications from server2 and server3 show that server2 is leader, and server3 is follower.

2010-07-15 02:35:36,398 - INFO [QuorumPeer:/0:0:0:0:0:0:0:0:2181:NIOServerCnxn@1661] - Established session 0x229aa13cfc6276b with negotiated timeout 10000 for client /10.209.45.114:34562

2010-07-15 02:39:18,907 - INFO [main:QuorumPeerConfig@90] - Reading configuration from: /etc/zookeeper/conf/zoo.cfg

2010-07-15 02:39:43,339 - FATAL [QuorumPeer:/0:0:0:0:0:0:0:0:2181:Follower@71] - Leader epoch 23 is less than our epoch 24

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@654] - LEADING

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LEADING (my state)

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Leader@54] - TCP NoDelay set to: true

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:zookeeper.version=3.4.0--1, built on 07/15/2010 10:36 GMT

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:host.name=XXXXXXXXXX.com

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.version=1.6.0\_04

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.vendor=Sun Microsystems Inc.

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.home=/usr/java/jdk1.6.0\_04/jre

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.class.path=.XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.library.path= XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.io.tmpdir=/tmp

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.compiler=<NA>

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.name=Linux

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.arch=amd64

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.version=2.6.18-53.1.21.el5

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.name=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.home=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.dir=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:ZooKeeperServer@151] - Created server with tickTime 3000 minSessionTimeout 6000 maxSessionTimeout 60000 datadir /XXXXXXXXX/zookeeper/version-2 snapdir /XXXXXXXX/zookeeper/version-2

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXXX/zookeeper/version-2/snapshot.100113340

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXXX/zookeeper/version-2/snapshot.100113340

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileTxnSnapLog@208] - Snapshotting: 10011f748

INFO - [SessionTracker:ZooKeeperServer@315] - Expiring session 0x229d6a9e0ca0000, timeout of 10000ms exceeded

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Leader@394] - Shutdown called

java.lang.Exception: shutdown Leader! reason: Waiting for a quorum of followers, only synced with: 2:

at org.apache.zookeeper.server.quorum.Leader.shutdown(Leader.java:394)

at org.apache.zookeeper.server.quorum.Leader.lead(Leader.java:317)

at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:657)

INFO - [Thread-10:Leader$LearnerCnxAcceptor@243] - exception while shutting down acceptor: java.net.SocketException: Socket closed

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FinalRequestProcessor@378] - shutdown of request processor complete

INFO - [SyncThread:2:SyncRequestProcessor@151] - SyncRequestProcessor exited!

INFO - [CommitProcessor:2:CommitProcessor@148] - CommitProcessor exited loop!

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@620] - LOOKING

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXXXX/zookeeper/version-2/snapshot.10011f748

INFO - [SessionTracker:SessionTrackerImpl@158] - SessionTrackerImpl exited loop!

INFO - [ProcessThread:-1:PrepRequestProcessor@385] - Processed session termination for sessionid: 0x229d6a9e0ca0000

ERROR - [ProcessThread:-1:NIOServerCnxn$Factory$1@87] - Thread Thread[ProcessThread:-1,5,main] died

java.lang.NullPointerException

at org.apache.zookeeper.server.quorum.ProposalRequestProcessor.processRequest(ProposalRequestProcessor.java:71)

at org.apache.zookeeper.server.PrepRequestProcessor.pRequest(PrepRequestProcessor.java:435)

at org.apache.zookeeper.server.PrepRequestProcessor.run(PrepRequestProcessor.java:114)

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FastLeaderElection@663] - New election. My id = 2, Proposed zxid = 4296144712

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 2 (n.leader), 4296144712 (n.zxid), 2 (n.round), LOOKING (n.state), 2 (n.sid), LOOKING (my state)

INFO - [WorkerSender Thread:QuorumCnxManager@162] - Have smaller server identifier, so dropping the connection: (3, 2)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 1 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 1 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 1 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LOOKING (my state)

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@642] - FOLLOWING

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Learner@72] - TCP NoDelay set to: true

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:ZooKeeperServer@151] - Created server with tickTime 3000 minSessionTimeout 6000 maxSessionTimeout 60000 datadir /XXXXXXXXX/zookeeper/version-2 snapdir /XXXXXXXXX/zookeeper/version-2

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Learner@285] - Getting a snapshot from leader

FATAL - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Learner@314] - Setting leader epoch 1

WARN - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Follower@116] - Got zxid 0x100162711 expected 0x1

WARN - [SyncThread:2:FileTxnLog@196] - Creating new log file: 100162711

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileTxnSnapLog@208] - Snapshotting: 100164c43

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@654] - LEADING

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Leader@54] - TCP NoDelay set to: true

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:zookeeper.version=3.4.0--1, built on 07/15/2010 10:36 GMT

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:host.name=XXXXXXXX.com

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.version=1.6.0\_05

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.vendor=Sun Microsystems Inc.

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.home=/usr/java/jdk1.6.0\_05/jre

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.class.path=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.library.path=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.io.tmpdir=/tmp

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:java.compiler=<NA>

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.name=Linux

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.arch= amd64

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:os.version=2.6.18-92.1.13.el5.perfctr.2.6.36

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.name=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.home=XXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Environment@97] - Server environment:user.dir=XXXXXXXXX

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:ZooKeeperServer@151] - Created server with tickTime 3000 minSessionTimeout 6000 maxSessionTimeout 60000 datadir /xxxxxxx/zookeeper/version-2 snapdir /XXXXXXX/zookeeper/version-2

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXX/zookeeper/version-2/snapshot.1000469b4

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXX/zookeeper/version-2/snapshot.1000469b4

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileTxnSnapLog@208] - Snapshotting: 100055cec

INFO - [SessionTracker:ZooKeeperServer@315] - Expiring session 0x129d6b61b5b0000, timeout of 10000ms exceeded

INFO - [ProcessThread:-1:PrepRequestProcessor@385] - Processed session termination for sessionid: 0x129d6b61b5b0000

WARN - [SyncThread:1:FileTxnLog@196] - Creating new log file: log.200000001

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Leader@394] - Shutdown called

java.lang.Exception: shutdown Leader! reason: Waiting for a quorum of followers, only synced with: 1:

at org.apache.zookeeper.server.quorum.Leader.shutdown(Leader.java:394)

at org.apache.zookeeper.server.quorum.Leader.lead(Leader.java:317)

at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:657)

INFO - [ProcessThread:-1:PrepRequestProcessor@119] - PrepRequestProcessor exited loop!

INFO - [CommitProcessor:1:CommitProcessor@148] - CommitProcessor exited loop!

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FinalRequestProcessor@378] - shutdown of request processor complete

INFO - [SyncThread:1:SyncRequestProcessor@151] - SyncRequestProcessor exited!

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@620] - LOOKING

INFO - [Thread-8:Leader$LearnerCnxAcceptor@243] - exception while shutting down acceptor: java.net.SocketException: Socket closed

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FileSnap@82] - Reading snapshot /XXXXXXXX/zookeeper/version-2/snapshot.100055cec

INFO - [SessionTracker:SessionTrackerImpl@158] - SessionTrackerImpl exited loop!

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:FastLeaderElection@663] - New election. My id = 1, Proposed zxid = 8589934593

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 1 (n.leader), 8589934593 (n.zxid), 2 (n.round), LOOKING (n.state), 1 (n.sid), LOOKING (my state)

INFO - [WorkerSender Thread:QuorumCnxManager@162] - Have smaller server identifier, so dropping the connection: (2, 1)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 2 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), LEADING (n.state), 3 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 2 (n.sid), LOOKING (my state)

INFO - [WorkerReceiver Thread:FastLeaderElection@496] - Notification: 3 (n.leader), 0 (n.zxid), 1 (n.round), FOLLOWING (n.state), 2 (n.sid), LOOKING (my state)

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:QuorumPeer@642] - FOLLOWING

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Learner@72] - TCP NoDelay set to: true

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:ZooKeeperServer@151] - Created server with tickTime 3000 minSessionTimeout 6000 maxSessionTimeout 60000 datadir /xxxxxxx/zookeeper/version-2 snapdir /xxxxxxx/zookeeper/version-2

FATAL - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Follower@71] - Leader epoch 1 is less than our epoch 2

WARN - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Follower@82] - Exception when following the leader

java.io.IOException: Error: Epoch of leader is lower

at org.apache.zookeeper.server.quorum.Follower.followLeader(Follower.java:73)

at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:644)

INFO - [QuorumPeer:/0:0:0:0:0:0:0:0:10218:Follower@166] - shutdown called

java.lang.Exception: shutdown Follower

at org.apache.zookeeper.server.quorum.Follower.shutdown(Follower.java:166)

at org.apache.zookeeper.server.quorum.QuorumPeer.run(QuorumPeer.java:648)