[HDFS-1024](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HDFS-1024&sa=D&source=editors&ust=1751359161201791&usg=AOvVaw2JfBPlrNGbe_1_eyfbUuG4)

SecondaryNamenode fails to checkpoint because namenode fails with CancelledKeyException

**(1)  Log information**

**(1.1) Roles in this case**

 SecondaryNameNode (client-side)     NameNode (server-side)

**(1.2) Symptoms**

SecondaryNameNode (2NN) periodically fetches the namespace image (file fsimage) and the edit logs (file edits) from NameNode (NN), and merge them into a new image file, then send it back to NN. And the error happens when 2NN is fetching files from NN.

NN fails with CancelledKeyException. The NN log shows the following:

WARN org.mortbay.log: Committed before 410 GetImage failed. java.nio.channels.CancelledKeyException

at sun.nio.ch.SelectionKeyImpl.ensureValid(SelectionKeyImpl.java:55)

at sun.nio.ch.SelectionKeyImpl.interestOps(SelectionKeyImpl.java:59)

at org.mortbay.io.nio.SelectChannelEndPoint.updateKey(SelectChannelEndPoint.java:324)

at org.mortbay.io.nio.SelectChannelEndPoint.blockWritable(SelectChannelEndPoint.java:278)

at org.mortbay.jetty.AbstractGenerator$Output.blockForOutput(AbstractGenerator.java:542)

at org.mortbay.jetty.AbstractGenerator$Output.flush(AbstractGenerator.java:569)

at org.mortbay.jetty.HttpConnection$Output.flush(HttpConnection.java:946)

at org.mortbay.jetty.AbstractGenerator$Output.write(AbstractGenerator.java:646)

at org.mortbay.jetty.AbstractGenerator$Output.write(AbstractGenerator.java:577)

at org.apache.hadoop.hdfs.server.namenode.TransferFsImage.getFileServer(TransferFsImage.java:127)

at org.apache.hadoop.hdfs.server.namenode.GetImageServlet.doGet(GetImageServlet.java:49)

at javax.servlet.http.HttpServlet.service(HttpServlet.java:707)

at javax.servlet.http.HttpServlet.service(HttpServlet.java:820)

at org.mortbay.jetty.servlet.ServletHolder.handle(ServletHolder.java:502)

at org.mortbay.jetty.servlet.ServletHandler.handle(ServletHandler.java:363)

at org.mortbay.jetty.security.SecurityHandler.handle(SecurityHandler.java:216)

at org.mortbay.jetty.servlet.SessionHandler.handle(SessionHandler.java:181)

at org.mortbay.jetty.handler.ContextHandler.handle(ContextHandler.java:766)

at org.mortbay.jetty.webapp.WebAppContext.handle(WebAppContext.java:417)

at org.mortbay.jetty.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:230)

at org.mortbay.jetty.handler.HandlerWrapper.handle(HandlerWrapper.java:152)

at org.mortbay.jetty.Server.handle(Server.java:324)

at org.mortbay.jetty.HttpConnection.handleRequest(HttpConnection.java:534)

at org.mortbay.jetty.HttpConnection$RequestHandler.headerComplete(HttpConnection.java:864)

at org.mortbay.jetty.HttpParser.parseNext(HttpParser.java:533)

at org.mortbay.jetty.HttpParser.parseAvailable(HttpParser.java:207)

at org.mortbay.jetty.HttpConnection.handle(HttpConnection.java:403)

at org.mortbay.io.nio.SelectChannelEndPoint.run(SelectChannelEndPoint.java:409)

at org.mortbay.thread.QueuedThreadPool$PoolThread.run(QueuedThreadPool.java:522)