

Public signup for this instance is **disabled**. Go to our [Self serve sign up page](#) to request an account.



Hadoop HDFS / HDFS-13486

Backport HDFS-11817 (A faulty node can cause a lease leak and NPE on accessing data) to branch-2.7

Details

Type:	Bug	Status:	RESOLVED
Priority:	Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	2.7.7
Component/s:	None		
Labels:	None		
Target Version/s:	2.7.8		

Description

~~HDFS-11817~~ is a good fix to have in branch-2.7.

I'm taking a stab at it now.

Attachments

HDFS-11817.branch-2.7.001.patch	15 kB	19/Apr/18 20:16
HDFS-11817.branch-2.7.002.patch	15 kB	03/May/18 22:56

Issue Links

is depended upon by

<input checked="" type="checkbox"/> HADOOP-15509 Release Hadoop 2.7.7	RESOLVED
---	-----------------

relates to

HDFS-11817 A faulty node can cause a lease leak and NPE on accessing data	RESOLVED
HDFS-12299 Race Between update pipeline and DN Re-Registration	RESOLVED

Activity

[Wei-Chiu Chuang](#) added a comment - 19/Apr/18 20:17

There are quite a few conflicts, but the biggest change compared to the branch-2.8 patch is

```
BlockInfoContiguousUnderConstruction#addReplicaIfNotPresent

void addReplicaIfNotPresent(DatanodeStorageInfo storage,
    Block block,
    ReplicaState rState) {
    Iterator<ReplicaUnderConstruction> it = replicas.iterator();
    while (it.hasNext()) {
```

because branch-2.7 does not have [HDFS-8928](#). Without the change, replicas could be null and tests fails with NPE.

[genericqa](#) added a comment - 20/Apr/18 00:17

-1 overall

Vote	Subsystem	Runtime	Comment
------	-----------	---------	---------

U	reexec	16m 4s	Docker mode activated.
Prechecks			
0	findbugs	0m 1s	Findbugs executables are not available.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 3 new or modified test files.
branch-2.7 Compile Tests			
+1	mvninstall	9m 16s	branch-2.7 passed
+1	compile	1m 15s	branch-2.7 passed
+1	checkstyle	0m 33s	branch-2.7 passed
+1	mvnsite	1m 31s	branch-2.7 passed
+1	javadoc	1m 51s	branch-2.7 passed
Patch Compile Tests			
+1	mvninstall	0m 58s	the patch passed
+1	compile	1m 7s	the patch passed
+1	javac	1m 7s	the patch passed
-0	checkstyle	0m 29s	hadoop-hdfs-project/hadoop-hdfs: The patch generated 1 new + 466 unchanged - 1 fixed = 467 total (was 467)
+1	mvnsite	0m 59s	the patch passed
-1	whitespace	0m 0s	The patch has 60 line(s) that end in whitespace. Use git apply --whitespace=fix <<patch_file>>. Refer https://git-scm.com/docs/git-apply
+1	javadoc	1m 44s	the patch passed
Other Tests			
-1	unit	186m 32s	hadoop-hdfs in the patch failed.
-1	asflicense	2m 26s	The patch generated 94 ASF License warnings.
		226m 21s	

Reason	Tests
Unreaped Processes	hadoop-hdfs:48
Failed junit tests	hadoop.hdfs.server.namenode.TestAllowFormat
	hadoop.hdfs.server.namenode.TestFavoredNodesEndToEnd
	hadoop.hdfs.server.namenode.TestINodeFile
	hadoop.hdfs.server.namenode.metrics.TestNameNodeMetrics
	hadoop.hdfs.server.namenode.metrics.TestNNMetricFilesInGetListingOps
	hadoop.hdfs.server.namenode.TestHostsFiles
Timed out junit tests	org.apache.hadoop.hdfs.TestEncryptionZonesWithHA
	org.apache.hadoop.hdfs.server.datanode.TestDeleteBlockPool
	org.apache.hadoop.hdfs.TestFileCreationEmpty
	org.apache.hadoop.hdfs.server.namenode.TestDefaultBlockPlacementPolicy
	org.apache.hadoop.hdfs.TestDatanodeRegistration
	org.apache.hadoop.hdfs.server.namenode.TestFileContextAcl
	org.apache.hadoop.hdfs.TestDFSClientFailover
	org.apache.hadoop.hdfs.TestSetrepDecreasing
	org.apache.hadoop.hdfs.TestSetrepIncreasing
	org.apache.hadoop.hdfs.server.namenode.TestEditLog
	org.apache.hadoop.hdfs.TestDatanodeDeath

	org.apache.hadoop.hdfs.server.namenode.TestNNThroughputBenchmark
	org.apache.hadoop.hdfs.server.balancer.TestBalancerRPCDelay
	org.apache.hadoop.hdfs.TestDFSClientRetries
	org.apache.hadoop.hdfs.TestDFSFinalize
	org.apache.hadoop.hdfs.TestHDFSFileSystemContract
	org.apache.hadoop.hdfs.TestDFSPermission
	org.apache.hadoop.hdfs.TestDFSNotifyEventInputStream
	org.apache.hadoop.hdfs.TestDatanodeStartupFixesLegacyStorageIDs
	org.apache.hadoop.hdfs.TestDecommission
	org.apache.hadoop.hdfs.server.balancer.TestBalancerWithEncryptedTransfer
	org.apache.hadoop.hdfs.server.balancer.TestBalancerWithSaslDataTransfer
	org.apache.hadoop.hdfs.TestDatanodeConfig
	org.apache.hadoop.hdfs.server.balancer.TestBalancerWithMultipleNameNodes
	org.apache.hadoop.hdfs.server.balancer.TestBalancer
	org.apache.hadoop.hdfs.TestDatanodeReport
	org.apache.hadoop.hdfs.web.TestWebHDFS
	org.apache.hadoop.hdfs.server.namenode.TestINodeAttributeProvider
	org.apache.hadoop.hdfs.server.namenode.TestNameNodeMXBean
	org.apache.hadoop.hdfs.server.balancer.TestBalancerWithHAGNameNodes
	org.apache.hadoop.hdfs.TestRollingUpgradeRollback
	org.apache.hadoop.hdfs.web.TestWebHDFSXAttr
	org.apache.hadoop.hdfs.server.datanode.TestFsDatasetCache
	org.apache.hadoop.hdfs.shortcircuit.TestShortCircuitCache
	org.apache.hadoop.hdfs.server.namenode.TestXAttrConfigFlag
	org.apache.hadoop.hdfs.shortcircuit.TestShortCircuitLocalRead
	org.apache.hadoop.hdfs.TestDFSRollback
	org.apache.hadoop.hdfs.TestMiniDFSCluster
	org.apache.hadoop.hdfs.TestDistributedFileSystem
	org.apache.hadoop.hdfs.web.TestWebHDFSForHA
	org.apache.hadoop.hdfs.TestEncryptedTransfer
	org.apache.hadoop.hdfs.TestDFSClientExcludedNodes
	org.apache.hadoop.hdfs.TestSetTimes
	org.apache.hadoop.hdfs.TestDFSShell
	org.apache.hadoop.hdfs.TestDataTransferProtocol
	org.apache.hadoop.hdfs.server.balancer.TestBalancerWithNodeGroup
	org.apache.hadoop.hdfs.web.TestWebHDFSACL

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:06eafee
JIRA Issue	HDFS-13486
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12919882/HDFS-11817.branch-2.7.001.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 8e2742fb5eaf 3.13.0-143-generic #192-Ubuntu SMP Tue Feb 27 10:45:36 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh

git revision	branch-2.7 / 112041d
maven	version: Apache Maven 3.0.5
Default Java	1.7.0_171
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt
whitespace	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/artifact/out/whitespace-eol.txt
Unreaped Processes Log	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs-reaper.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/testReport/
asflicense	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/artifact/out/patch-asflicense-problems.txt
Max. process+thread count	9935 (vs. ulimit of 10000)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/24001/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

Wei-Chiu Chuang added a comment - 20/Apr/18 01:38

Most (if not all) of test failures are due to OOM, seems unrelated.

genericqg added a comment - 20/Apr/18 08:01

 -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	11m 8s	Docker mode activated.
Prechecks			
0	findbugs	0m 0s	Findbugs executables are not available.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 3 new or modified test files.
branch-2.7 Compile Tests			
+1	mvninstall	8m 32s	branch-2.7 passed
+1	compile	1m 3s	branch-2.7 passed
+1	checkstyle	0m 31s	branch-2.7 passed
+1	mvnsite	1m 2s	branch-2.7 passed
+1	javadoc	1m 48s	branch-2.7 passed
Patch Compile Tests			
+1	mvninstall	0m 54s	the patch passed
+1	compile	1m 3s	the patch passed
+1	javac	1m 3s	the patch passed
-0	checkstyle	0m 27s	hadoop-hdfs-project/hadoop-hdfs: The patch generated 1 new + 465 unchanged - 1 fixed = 466 total (was 466)
+1	mvnsite	0m 59s	the patch passed
-1	whitespace	0m 0s	The patch has 60 line(s) that end in whitespace. Use git apply --whitespace=fix <<patch_file>>. Refer https://git-scm.com/docs/git-apply
+1	javadoc	1m 45s	the patch passed

			Other Tests
-1	unit	155m 1s	hadoop-hdfs in the patch failed.
+1	asflicense	2m 4s	The patch does not generate ASF License warnings.
		187m 47s	

Reason	Tests
Unreaped Processes	hadoop-hdfs:41
Timed out junit tests	org.apache.hadoop.hdfs.TestEncryptionZones
	org.apache.hadoop.hdfs.tools.TestDFSAdminWithHA
	org.apache.hadoop.hdfs.qjournal.client.TestQuorumJournalManager
	org.apache.hadoop.hdfs.tools.offlineEditsViewer.TestOfflineEditsViewer
	org.apache.hadoop.hdfs.TestDatanodeRegistration
	org.apache.hadoop.hdfs.TestReplaceDatanodeOnFailure
	org.apache.hadoop.hdfs.qjournal.server.TestJournalNode
	org.apache.hadoop.hdfs.TestQuota
	org.apache.hadoop.hdfs.TestDataTransferKeepalive
	org.apache.hadoop.hdfs.TestDatanodeDeath
	org.apache.hadoop.hdfs.TestFileLengthOnClusterRestart
	org.apache.hadoop.hdfs.TestFileAppend
	org.apache.hadoop.hdfs.TestPread
	org.apache.hadoop.hdfs.TestFileAppend4
	org.apache.hadoop.hdfs.TestDFSFinalize
	org.apache.hadoop.hdfs.qjournal.client.TestQJMWithFaults
	org.apache.hadoop.hdfs.TestDFSUpgradeFromImage
	org.apache.hadoop.hdfs.web.TestWebHdfsTokens
	org.apache.hadoop.hdfs.TestDatanodeStartupFixesLegacyStorageIDs
	org.apache.hadoop.hdfs.TestFileCreationDelete
	org.apache.hadoop.hdfs.TestEncryptionZonesWithKMS
	org.apache.hadoop.hdfs.protocol.datatransfer.sasl.TestSaslDataTransfer
	org.apache.hadoop.hdfs.TestBlockStoragePolicy
	org.apache.hadoop.hdfs.TestRollingUpgrade
	org.apache.hadoop.hdfs.TestLease
	org.apache.hadoop.hdfs.qjournal.TestNNWithQJM
	org.apache.hadoop.hdfs.web.TestWebHDFS
	org.apache.hadoop.hdfs.tools.TestDFSAdminMiniCluster
	org.apache.hadoop.hdfs.tools.TestGetGroups
	org.apache.hadoop.hdfs.web.TestWebHDFSXAttr
	org.apache.hadoop.hdfs.TestRollingUpgradeRollback
	org.apache.hadoop.hdfs.TestBlockReaderLocal
	org.apache.hadoop.hdfs.web.TestWebHdfsWithMultipleNameNodes
	org.apache.hadoop.hdfs.web.TestWebHDFSForHA
	org.apache.hadoop.hdfs.TestEncryptedTransfer
	org.apache.hadoop.hdfs.TestDFSShell
	org.apache.hadoop.hdfs.TestPersistBlocks
	org.apache.hadoop.hdfs.tools.TestDebugAdmin

	org.apache.hadoop.hdfs.tools.TestDFSAdmin
	org.apache.hadoop.hdfs.TestGetFileChecksum
	org.apache.hadoop.hdfs.web.TestWebHDFSACL

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:06eafee
JIRA Issue	HDFS-13486
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12919882/HDFS-11817.branch-2.7.001.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 1ecd13d9aa6a 3.13.0-139-generic #188-Ubuntu SMP Tue Jan 9 14:43:09 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	branch-2.7 / 112041d
maven	version: Apache Maven 3.0.5
Default Java	1.7.0_171
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt
whitespace	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/artifact/out/whitespace-eol.txt
Unreaped Processes Log	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs-reaper.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/testReport/
Max. process+thread count	7886 (vs. ulimit of 10000)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/24015/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

Wei-Chiu Chuang added a comment - 27/Apr/18 21:38

The test failures are unrelated to this patch. I am still running unit tests for this branch-2.7 patch just to make sure it is good. There's also a check style warning I have to get rid of.

On a side note, I have an adopted version running against CDH5.x (Apache Hadoop 2.6.0 based) in internal testing and that passed unit tests.

Wei-Chiu Chuang added a comment - 28/Apr/18 22:47

Looks like there are two tests that fail consistently, **even before** this patch in branch-2.7.

I'll double check and file jiras accordingly.

Wei-Chiu Chuang added a comment - 28/Apr/18 23:32

TestFSImage#testCompression failure is fixable by [HDFS-12156](#).

TestLazyPersistFile#testLazyPersistBlocksAreSaved failure is fixable by [HDFS-9067](#).

Wei-Chiu Chuang added a comment - 03/May/18 22:56

Upload rev 002 to address checkstyle warning. Other than test failures are unrelated.

genericqa added a comment - 04/May/18 02:28

 -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	15m 2s	Docker mode activated.
Prechecks			
0	findbugs	0m 0s	Findbugs executables are not available.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 3 new or modified test files.
branch-2.7 Compile Tests			
+1	mvninstall	6m 5s	branch-2.7 passed
+1	compile	1m 4s	branch-2.7 passed
+1	checkstyle	0m 31s	branch-2.7 passed
+1	mvnsite	1m 2s	branch-2.7 passed
+1	javadoc	1m 46s	branch-2.7 passed
Patch Compile Tests			
+1	mvninstall	0m 55s	the patch passed
+1	compile	1m 2s	the patch passed
+1	javac	1m 2s	the patch passed
+1	checkstyle	0m 28s	hadoop-hdfs-project/hadoop-hdfs: The patch generated 0 new + 466 unchanged - 1 fixed = 466 total (was 467)
+1	mvnsite	0m 59s	the patch passed
-1	whitespace	0m 0s	The patch has 60 line(s) that end in whitespace. Use git apply --whitespace=fix <<patch_file>>. Refer https://git-scm.com/docs/git-apply
+1	javadoc	1m 44s	the patch passed
Other Tests			
-1	unit	172m 37s	hadoop-hdfs in the patch failed.
-1	asflicense	2m 13s	The patch generated 54 ASF License warnings.
		207m 0s	

Reason	Tests
Unreaped Processes	hadoop-hdfs:44
Failed junit tests	hadoop.fs.contract.hdfs.TestHDFSContractMkdir
	hadoop.fs.contract.hdfs.TestHDFSContractRootDirectory
	hadoop.fs.contract.hdfs.TestHDFSContractRename
	hadoop.fs.TestFcHdfsSetUMask
	hadoop.hdfs.server.balancer.TestBalancerWithEncryptedTransfer
	hadoop.hdfs.server.blockmanagement.TestAvailableSpaceBlockPlacementPolicy
	hadoop.fs.contract.hdfs.TestHDFSContractDelete

	hadoop.fs.contract.hdfs.TestHDFSContractAppend
	hadoop.fs.contract.hdfs.TestHDFSContractOpen
	hadoop.fs.contract.hdfs.TestHDFSContractConcat
	hadoop.fs.TestResolveHdfsSymlink
	hadoop.fs.contract.hdfs.TestHDFSContractCreate
	hadoop.fs.TestSymlinkHdfsDisable
	hadoop.fs.contract.hdfs.TestHDFSContractSeek
Timed out junit tests	org.apache.hadoop.hdfs.TestLeaseRecovery2
	org.apache.hadoop.hdfs.TestEncryptionZonesWithHA
	org.apache.hadoop.hdfs.TestFileCreationEmpty
	org.apache.hadoop.hdfs.TestDatanodeRegistration
	org.apache.hadoop.hdfs.TestDFSClientFailover
	org.apache.hadoop.hdfs.TestSetrepDecreasing
	org.apache.hadoop.hdfs.TestSetrepIncreasing
	org.apache.hadoop.hdfs.TestDatanodeDeath
	org.apache.hadoop.hdfs.server.balancer.TestBalancerRPCDelay
	org.apache.hadoop.hdfs.TestDFSClientRetries
	org.apache.hadoop.hdfs.TestDFSFinalize
	org.apache.hadoop.hdfs.TestHDFSFileSystemContract
	org.apache.hadoop.hdfs.TestDFSPermission
	org.apache.hadoop.hdfs.web.TestWebHdfsTokens
	org.apache.hadoop.hdfs.TestDFSInotifyEventInputStream
	org.apache.hadoop.hdfs.TestDatanodeStartupFixesLegacyStorageIDs
	org.apache.hadoop.hdfs.TestDecommission
	org.apache.hadoop.hdfs.TestFileAppendRestart
	org.apache.hadoop.hdfs.TestDatanodeConfig
	org.apache.hadoop.hdfs.TestSeekBug
	org.apache.hadoop.hdfs.TestDFSOutputStream
	org.apache.hadoop.security.TestRefreshUserMappings
	org.apache.hadoop.hdfs.TestDatanodeReport
	org.apache.hadoop.hdfs.web.TestWebHDFS
	org.apache.hadoop.hdfs.TestRollingUpgradeRollback
	org.apache.hadoop.hdfs.web.TestWebHDFSXAttr
	org.apache.hadoop.hdfs.web.TestWebHdfsWithMultipleNameNodes
	org.apache.hadoop.hdfs.shortcircuit.TestShortCircuitCache
	org.apache.hadoop.hdfs.shortcircuit.TestShortCircuitLocalRead
	org.apache.hadoop.hdfs.TestDFSRollback
	org.apache.hadoop.hdfs.TestMiniDFSCluster
	org.apache.hadoop.hdfs.web.TestFSMainOperationsWebHdfs
	org.apache.hadoop.hdfs.TestDistributedFileSystem
	org.apache.hadoop.hdfs.web.TestWebHDFSForHA
	org.apache.hadoop.hdfs.TestEncryptedTransfer
	org.apache.hadoop.hdfs.TestDFSClientExcludedNodes
	org.apache.hadoop.hdfs.TestSetTimes
	org.apache.hadoop.hdfs.TestDFSShell
	org.apache.hadoop.hdfs.TestDFSRename

	org.apache.hadoop.hdfs.TestDataTransferProtocol
	org.apache.hadoop.hdfs.web.TestWebHDFSACL

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:06eafee
JIRA Issue	HDFS-13486
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12921852/HDFS-11817.branch-2.7.002.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux bc80426c2d40 3.13.0-143-generic #192-Ubuntu SMP Tue Feb 27 10:45:36 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	branch-2.7 / 20c6b44
maven	version: Apache Maven 3.0.5
Default Java	1.7.0_171
whitespace	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/artifact/out/whitespace-eol.txt
Unreaped Processes Log	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs-reaper.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/testReport/
asflicense	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/artifact/out/patch-asflicense-problems.txt
Max. process+thread count	9937 (vs. ulimit of 10000)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/24134/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

Wei-Chiu Chuang

added a comment - 04/May/18 15:48

None of the test failures is related. White space warning unrelated either.
Will commit rev 003 by end of day. Please shout out if you have concerns.

Wei-Chiu Chuang

added a comment - 07/May/18 23:25

Committed to branch-2.7

KarlManong

added a comment - 09/Jul/18 09:36 - edited

This will cause [HDFS-7524](#)

The keypoint is chaging the storages.

```
// Some comments here
void invoke() throws Exception {
    DatanodeInfo[] newNodes = new DatanodeInfo[2];
    newNodes[0] = nodes[0];
    newNodes[1] = nodes[1];
    final DatanodeManager dm = cluster.getNamesystem().getBlockManager()
        .getDatanodeManager();
    final String storageID1 = dm.getDatanode(newNodes[0]).getStorageInfos()[0]
        .getStorageID();
    final String storageID2 = dm.getDatanode(newNodes[1]).getStorageInfos()[0]
        .getStorageID();
    String[] storageIDs = {storageID1, storageID2};
}
```

```
client.getNamenode().updatePipeline(client.getClientName(), oldBlock,
    newBlock, newNodes, storageIDs);
// close can fail if the out.close() commit the block after block received
// notifications from Datanode.
// Since datanodes and output stream have still old genstamps, these
// blocks will be marked as corrupt after HDFS-5723 if RECEIVED
// notifications reaches namenode first and close() will fail.
DFSTestUtil.abortStream((DFSOutputStream) out.getWrappedStream());
}
```

Plz have a look

Wei-Chiu Chuang added a comment - 17/Jul/18 22:35

Thanks [KarlManong](#) for raising the issue. However, I don't seem to reproduce locally on a branch-2.7.

Sean Mackrory added a comment - 20/Jul/18 22:25

This can cause a similar failure to [HDFS-7524](#) if you backport this without backporting [HDFS-12299](#).

Wei-Chiu Chuang added a comment - 20/Jul/18 22:39

Sean is correct. You need [HDFS-12299](#) branch-2.7 commit applied before applying this branch-2.7 commit.

People

Assignee:

 Wei-Chiu Chuang

Reporter:

 Wei-Chiu Chuang

Votes:

 0 Vote for this issue

Watchers:

 5 Start watching this issue

Dates

Created:

19/Apr/18 20:15

Updated:

23/Jul/18 17:14

Resolved:

07/May/18 23:25