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

Hadoop HDFS / HDFS-12683

DFSZKFailOverController re-order logic for logging Exception

∨ Details

Type:	🟥 Bug	Status:	**RESOLVED**
Priority:	🔼 Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	2.9.0, 3.1.0
Component/s:	None		
Labels:	None		
Hadoop Flags:	Reviewed		

∨ Description

The ZKFC should log fatal exceptions before closing the connections and terminating server.

Occasionally we have seen DFSZKFailOver shutdown, but no exception or no error being logged.

∨ Attachments

📄	HDFS-12683.01.patch	2 kB	19/Oct/17 20:48
📄	HDFS-12683.02.patch	3 kB	19/Oct/17 21:09
📄	HDFS-12683.03.patch	4 kB	19/Oct/17 21:15
📄	HDFS-12683.04.patch	4 kB	19/Oct/17 21:20
📄	HDFS-12683.05.patch	4 kB	20/Oct/17 17:20
📄	HDFS-12683.06.patch	4 kB	20/Oct/17 18:10
📄	HDFS-12683.07.patch	4 kB	20/Oct/17 18:19
📄	HDFS-12683.08.patch	4 kB	20/Oct/17 23:44
📄	HDFS-12683.09.patch	4 kB	21/Oct/17 00:01

∨ Issue Links

links to

🔗 Review Board

∨ Activity

⬆

∨ 🔘 Hadoop QA added a comment - 19/Oct/17 21:15

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 0s	Docker mode activated.
-1	docker	0m 11s	Docker failed to build yetus/hadoop:0de40f0.

Subsystem	Report/Notes
JIRA Issue	HDFS-12683

JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893119/HDFS-12683.02.patch
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/21753/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

▼ ◉ Hadoop QA added a comment - 19/Oct/17 21:35

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 0s	Docker mode activated.
-1	docker	2m 39s	Docker failed to build yetus/hadoop:0de40f0.

Subsystem	Report/Notes
JIRA Issue	HDFS-12683
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893125/HDFS-12683.04.patch
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/21754/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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▼ ◉ Arpit Agarwal added a comment - 20/Oct/17 18:43 - edited

+1 pending Jenkins, via reviewboard.
https://reviews.apache.org/r/63168/

Jenkins is probably down, all HDFS pre-commit builds appear to be failing. See if you want to run test-patch locally and attach the output. e.g.

> dev-support/bin/test-patch --run-tests --test-parallel=true --test-threads=4
> https://issues.apache.org/jira/secure/attachment/12893316/HDFS-12683.07.patch

▼ ◉ Hadoop QA added a comment - 20/Oct/17 22:34

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 12s	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 doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch.
			trunk Compile Tests
0	mvndep	0m 17s	Maven dependency ordering for branch
+1	mvninstall	14m 34s	trunk passed
+1	compile	12m 9s	trunk passed
+1	checkstyle	2m 2s	trunk passed
+1	mvnsite	2m 7s	trunk passed

+1	shadedclient	12m 38s	branch has no errors when building and testing our client artifacts.
+1	javadoc	1m 45s	trunk passed
		Patch Compile Tests	
0	mvndep	0m 14s	Maven dependency ordering for patch
+1	mvninstall	1m 33s	the patch passed
+1	compile	11m 34s	the patch passed
+1	javac	11m 34s	the patch passed
+1	checkstyle	2m 0s	the patch passed
+1	mvnsite	2m 2s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	8m 39s	patch has no errors when building and testing our client artifacts.
+1	javadoc	1m 43s	the patch passed
		Other Tests	
-1	unit	7m 14s	hadoop-common in the patch failed.
-1	unit	92m 21s	hadoop-hdfs in the patch failed.
+1	asflicense	0m 30s	The patch does not generate ASF License warnings.
		170m 22s	

Reason	Tests
Failed junit tests	hadoop.ha.TestZKFailoverControllerStress
	hadoop.ha.TestZKFailoverController
	hadoop.hdfs.tools.TestDFSZKFailoverController

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:ca8ddc6
JIRA Issue	HDFS-12683
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893316/HDFS-12683.07.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux f2c5dd3a546a 3.13.0-119-generic #166-Ubuntu SMP Wed May 3 12:18:55 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / 6b7c87c
Default Java	1.8.0_131
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/21767/artifact/patchprocess/patch-unit-hadoop-common-project_hadoop-common.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/21767/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/21767/testReport/
modules	C: hadoop-common-project/hadoop-common hadoop-hdfs-project/hadoop-hdfs U: .
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/21767/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

⌄ ◉ Bharat Viswanadham added a comment - 20/Oct/17 23:45 - edited

Updated the patch.
Attached patch v8 to fix checkstyle issues.

Ran Tests locally and now the failed test cases are passing.

⌄ ◉ Bharat Viswanadham added a comment - 21/Oct/17 00:01

Updated patch v09 to fix review comments.

⌄ ◉ Hadoop QA added a comment - 21/Oct/17 03:14

❌ -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 16s	Docker mode activated.
			Prechecks
+1	@author	0m 0s	The patch does not contain any @author tags.
-1	test4tests	0m 0s	The patch doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch.
			trunk Compile Tests
0	mvndep	1m 25s	Maven dependency ordering for branch
+1	mvninstall	11m 44s	trunk passed
+1	compile	10m 36s	trunk passed
+1	checkstyle	1m 39s	trunk passed
+1	mvnsite	1m 45s	trunk passed
+1	shadedclient	10m 41s	branch has no errors when building and testing our client artifacts.
+1	findbugs	3m 4s	trunk passed
+1	javadoc	1m 31s	trunk passed
			Patch Compile Tests
0	mvndep	0m 15s	Maven dependency ordering for patch
+1	mvninstall	1m 19s	the patch passed
+1	compile	10m 3s	the patch passed
+1	javac	10m 3s	the patch passed
-0	checkstyle	1m 41s	root: The patch generated 1 new + 44 unchanged - 0 fixed = 45 total (was 44)
+1	mvnsite	1m 42s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	7m 41s	patch has no errors when building and testing our client artifacts.
+1	findbugs	3m 13s	the patch passed
+1	javadoc	1m 28s	the patch passed
			Other Tests
-1	unit	6m 51s	hadoop-common in the patch failed.
-1	unit	90m 44s	hadoop-hdfs in the patch failed.
+1	asflicense	0m 25s	The patch does not generate ASF License warnings.
		165m 36s	

Reason	Tests
Failed junit tests	hadoop.security.TestShellBasedUnixGroupsMapping
	hadoop.hdfs.server.datanode.TestDataNodeVolumeFailure
	hadoop.hdfs.web.TestWebHdfsTimeouts
	hadoop.hdfs.server.namenode.ha.TestHAAppend
	hadoop.hdfs.TestDFSStripedOutputStreamWithFailure
Timed out junit tests	org.apache.hadoop.hdfs.TestLeaseRecovery2

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:ca8ddc6
JIRA Issue	HDFS-12683
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893369/HDFS-12683.09.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux e78a911fc815 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / 248d9b6
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/21772/artifact/patchprocess/diff-checkstyle-root.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/21772/artifact/patchprocess/patch-unit-hadoop-common-project_hadoop-common.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/21772/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/21772/testReport/
modules	C: hadoop-common-project/hadoop-common hadoop-hdfs-project/hadoop-hdfs U: .
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/21772/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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❯ ◯ Bharat Viswanadham added a comment - 21/Oct/17 18:50

Test failures are not related to this patch.
Ran tests locally, they have passed.

❯ ◯ Arpit Agarwal added a comment - 23/Oct/17 17:50

I've committed this. Thanks for the improvement bharatviswa.

❯ ◯ Hudson added a comment - 23/Oct/17 18:22

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #13123 (See https://builds.apache.org/job/Hadoop-trunk-Commit/13123/)
HDFS-12683. DFSZKFailOverController re-order logic for logging (arp: rev 4b00c9a47f94c4d7c673710bbb3b85b5d2807e7b)

- (edit) hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/ha/ZKFailoverController.java
- (edit) hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/tools/DFSZKFailoverController.java

⌄ ⦿ Bharat Viswanadham added a comment - 23/Oct/17 18:31

Thank You arpitagarwal for review and committing the patch.

⌄ People
_____

Assignee:

⦿ Bharat Viswanadham

Reporter:

⦿ Bharat Viswanadham

Votes:

0   Vote for this issue

Watchers:

3   Start watching this issue

⌄ Dates
_____

Created:

18/Oct/17 22:44

Updated:

23/Oct/17 18:31

Resolved:

23/Oct/17 17:50

⌄ ⦿ Bharat Viswanadham added a comment - 23/Oct/17 18:31

Thank You arpitagarwal for review and committing the patch.