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Hadoop HDFS / HDFS-15161

When evictableMmapped or evictable size is zero, do not throw NoSuchElementException in ShortCircuitCache#close()

Details

Type:	Bug	Status:	RESOLVED
Priority:	Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	3.3.0 , 2.9.3 , 3.1.4 , 3.2.2 , 2.10.1
Component/s:	None		
Labels:	None		
Hadoop Flags:	Reviewed		

Description

detail see [HDFS-14541](#)

```
/**
 * Close the cache and free all associated resources.
 */
@Override
public void close() {
    try {
        lock.lock();
        if (closed) return;
        closed = true;
        LOG.info(this + " : closing");
        maxNonMmappedEvictableLifespanMs = 0;
        maxEvictableMmappedSize = 0;
        // Close and join cacheCleaner thread.
        IOUtilsClient.cleanupWithLogger(LOG, cacheCleaner);
        // Purge all replicas.
        while (true) {
            Object eldestKey;
            try {
                eldestKey = evictable.firstKey();
            } catch (NoSuchElementException e) {
                break;
            }
            purge((ShortCircuitReplica)evictable.get(eldestKey));
        }
    }
}
```

Attachments

HDFS-15161.001.patch	2 kB	11/Feb/20 08:26
HDFS-15161.002.patch	2 kB	11/Feb/20 14:11

Issue Links

relates to

HDFS-14541 When evictableMmapped or evictable size is zero, do not throw NoSuchElementException	RESOLVED
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Activity

- [Ayush Saxena](#) added a comment - 11/Feb/20 08:32
- Seems the title of both JIRA's are same, what extra does this bring or was something left that time
- [Hadoop QA](#) added a comment - 11/Feb/20 09:36


-1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	1m 29s	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
+1	mvninstall	21m 49s	trunk passed
+1	compile	0m 43s	trunk passed
+1	checkstyle	0m 21s	trunk passed
+1	mvnsite	0m 46s	trunk passed
+1	shadedclient	15m 19s	branch has no errors when building and testing our client artifacts.
+1	findbugs	2m 12s	trunk passed
+1	javadoc	0m 28s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 42s	the patch passed
+1	compile	0m 38s	the patch passed
+1	javac	0m 38s	the patch passed
-0	checkstyle	0m 15s	hadoop-hdfs-project/hadoop-hdfs-client: The patch generated 8 new + 10 unchanged - 0 fixed = 18 total (was 10)
+1	mvnsite	0m 40s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	14m 16s	patch has no errors when building and testing our client artifacts.
+1	findbugs	2m 17s	the patch passed
+1	javadoc	0m 26s	the patch passed
			Other Tests
+1	unit	1m 52s	hadoop-hdfs-client in the patch passed.
+1	asflicense	0m 25s	The patch does not generate ASF License warnings.
		65m 38s	

Subsystem	Report/Notes
Docker	Client=19.03.5 Server=19.03.5 Image:yetus/hadoop:c44943d1fc3
JIRA Issue	HDFS-15161
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12993109/HDFS-15161.001.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 344787e0c63a 4.15.0-74-generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / d5467d2
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_232
findbugs	v3.1.0-RC1


checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/28764/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs-client.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/28764/testReport/
Max. process+thread count	342 (vs. ulimit of 5500)
modules	C: hadoop-hdfs-project/hadoop-hdfs-client U: hadoop-hdfs-project/hadoop-hdfs-client
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/28764/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

This message was automatically generated.

▼  Lisheng Sun added a comment - 11/Feb/20 14:06

ayushtkn

[HDFS-14544](#) left the the problem that do not throw NoSuchElementException in ShortCircuitCache#close(), when evictableMmapped or evictable size is zero. other method in ShortCircuitCache has fixed the problem.

▼  Hadoop QA added a comment - 11/Feb/20 15:28

 -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 56s	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			
+1	mvninstall	20m 53s	trunk passed
+1	compile	0m 53s	trunk passed
+1	checkstyle	0m 31s	trunk passed
+1	mvnsite	0m 55s	trunk passed
+1	shadedclient	15m 45s	branch has no errors when building and testing our client artifacts.
+1	findbugs	2m 17s	trunk passed
+1	javadoc	0m 31s	trunk passed
Patch Compile Tests			
+1	mvninstall	0m 49s	the patch passed
+1	compile	0m 39s	the patch passed
+1	javac	0m 39s	the patch passed
+1	checkstyle	0m 16s	the patch passed
+1	mvnsite	0m 46s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	15m 27s	patch has no errors when building and testing our client artifacts.
+1	findbugs	2m 48s	the patch passed
+1	javadoc	0m 36s	the patch passed
Other Tests			
+1	unit	2m 4s	hadoop-hdfs-client in the patch passed.
+1	asflicense	0m 29s	The patch does not generate ASF License warnings.
		67m 33s	

Subsystem	Report/Notes
Docker	Client=19.03.5 Server=19.03.5 Image:yetus/hadoop:c44943d1fc3
JIRA Issue	HDFS-15161
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12993138/HDFS-15161.002.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 0f2569184d8c 4.15.0-74-generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / cc8ae59
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_232
findbugs	v3.1.0-RC1
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/28766/testReport/
Max. process+thread count	306 (vs. ulimit of 5500)
modules	C: hadoop-hdfs-project/hadoop-hdfs-client U: hadoop-hdfs-project/hadoop-hdfs-client
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/28766/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

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[Íñigo Goiri](#) added a comment - 11/Feb/20 17:47

Yes, we missed this in [HDFS-14541](#).

+1 on [HDFS-15161.002.patch](#)👍.

[Ayush Saxena](#) added a comment - 12/Feb/20 14:50

v002 LGTM +1

[Ayush Saxena](#) added a comment - 12/Feb/20 15:15

Committed to trunk to branch-2.9

Thanx [leosun08](#) for the contribution and [elgoiri](#) for the review!!!

[Hudson](#) added a comment - 12/Feb/20 15:29

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #17947 (See <https://builds.apache.org/job/Hadoop-trunk-Commit/17947/>)

[HDFS-15161](#). When evictableMmapped or evictable size is zero, do not (ayushsaxena: rev f09710bbb8e56d066f9d7a2e70a41ed82d5aa781)

- (edit) hadoop-hdfs-project/hadoop-hdfs-client/src/main/java/org/apache/hadoop/hdfs/shortcircuit/ShortCircuitCache.java

People

Assignee:

Lisheng Sun

Reporter:

Lisheng Sun

Votes:

0 Vote for this issue

Watchers:

4 Start watching this issue

▼ Dates

Created:

11/Feb/20 08:04

Updated:

12/Feb/20 15:29

Resolved:

12/Feb/20 15:15