



Hadoop HDFS / HDFS-13167

DatanodeAdminManager Improvements

Details

Type:	Improvement	Status:	RESOLVED
Priority:	Trivial	Resolution:	Fixed
Affects Version/s:	3.0.0	Fix Version/s:	3.1.0
Component/s:	hdfs		
Labels:	None		

Description

- 1. Use Collection type Set instead of List for tracking nodes
- 2. Fix logging statements that are erroneously appending variables instead of using parameters
- 3. Miscellaneous small improvements

As an example, the node variable is being appended to the string instead of being passed as an argument to the trace method for variable substitution.

```
LOG.trace("stopDecommission: Node {} in {}, nothing to do." +
        node, node.getAdminState());
```

Attachments

HDFS-13167.1.patch	5 kB	18/Feb/18 18:50
HDFS-13167.2.patch	5 kB	19/Feb/18 18:45
HDFS-13167.3.patch	5 kB	20/Feb/18 17:09

Activity

Íñigo Goiri added a comment - 18/Feb/18 19:05

Pending Yetus for [HDFS-13167.1.patch](#), this looks good.
The only worrisome thing would be the change of `toRemove` to `HashSet`; the unit tests cover this case so let's wait on Yetus to confirm.

genericqa added a comment - 18/Feb/18 22:16

-1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 21s	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	19m 0s	trunk passed
+1	compile	1m 3s	trunk passed
+1	checkstyle	0m 41s	trunk passed
+1	mvnsite	1m 7s	trunk passed


Test	Module	Time	Result
+1	shadedclient	11m 53s	branch has no errors when building and testing our client artifacts.
+1	findbugs	2m 2s	trunk passed
+1	javadoc	0m 54s	trunk passed
Patch Compile Tests			
+1	mvninstall	1m 0s	the patch passed
+1	compile	0m 54s	the patch passed
+1	javac	0m 54s	the patch passed
-0	checkstyle	0m 37s	hadoop-hdfs-project/hadoop-hdfs: The patch generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0)
+1	mvnsite	1m 0s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 33s	patch has no errors when building and testing our client artifacts.
+1	findbugs	2m 20s	the patch passed
+1	javadoc	1m 1s	the patch passed
Other Tests			
-1	unit	139m 56s	hadoop-hdfs in the patch failed.
+1	asflicense	0m 23s	The patch does not generate ASF License warnings.
		195m 35s	

Reason	Tests
Failed junit tests	hadoop.hdfs.TestReadStripedFileWithMissingBlocks
	hadoop.hdfs.server.namenode.ha.TestEditLogTailer
	hadoop.hdfs.server.namenode.TestTruncateQuotaUpdate
	hadoop.hdfs.TestSafeModeWithStripedFileWithRandomECPolicy
	hadoop.hdfs.server.datanode.TestDataNodeVolumeFailureReporting


Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	HDFS-13167
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12911075/HDFS-13167.1.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 5a43bf9aa42c 3.13.0-135-generic #184-Ubuntu SMP Wed Oct 18 11:55:51 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 4d4dde5
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_151
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/23113/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/23113/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt

Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/23113/testReport/
Max. process+thread count	2811 (vs. ulimit of 5500)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/23113/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

▼  Arpit Agarwal added a comment - 19/Feb/18 15:40

belugabehr, I've added you as a contributor in HDFS. You can assign issues to yourself now.

▼  Íñigo Goiri added a comment - 19/Feb/18 18:37

+1 on [HDFS-13167.1.patch](#)^g; if nobody else has any comments I'll push this to trunk.

Let me know if you want to target a particular 3.x (I have to check what's the status of the branches as they are in the process of releasing 3.0.1 and 3.1.0).


▼  David Mollitor added a comment - 19/Feb/18 18:49 - edited

Hey [elgoiri](#) Thank you for taking interest in my patches!!

I just put a new one up... one oversight on my part is that I thought the `toRemove` collection had the `remove` method called on it, making a `Set` more appropriate. However, there are only `add` calls. I changed the structure instead to an `ArrayList` instead of `LinkedList`.

I also changed the `Queue` Collection to use the `ArrayDeque` structure instead of a `LinkedList` because *this class is likely to be faster than Stack when used as a stack, and faster than LinkedList when used as a queue*. It certainly is more memory efficient.

<https://docs.oracle.com/javase/8/docs/api/java/util/ArrayDeque.html>

▼  genericqa added a comment - 19/Feb/18 21:11

 -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			
+1	mvninstall	17m 4s	trunk passed
+1	compile	0m 55s	trunk passed
+1	checkstyle	0m 40s	trunk passed
+1	mvnsite	1m 0s	trunk passed
+1	shadedclient	11m 51s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 56s	trunk passed
+1	javadoc	0m 54s	trunk passed
Patch Compile Tests			
+1	mvninstall	0m 57s	the patch passed
+1	compile	0m 52s	the patch passed
+1	javac	0m 52s	the patch passed

-0	checkstyle	0m 35s	hadoop-hdfs-project/hadoop-hdfs: The patch generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0)
+1	mvnsite	0m 57s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 11s	patch has no errors when building and testing our client artifacts.
+1	findbugs	2m 1s	the patch passed
+1	javadoc	0m 52s	the patch passed
Other Tests			
-1	unit	88m 5s	hadoop-hdfs in the patch failed.
+1	asflicense	0m 24s	The patch does not generate ASF License warnings.
		140m 27s	

Reason	Tests
Failed junit tests	hadoop.hdfs.server.namenode.TestTruncateQuotaUpdate
	hadoop.hdfs.server.blockmanagement.TestUnderReplicatedBlocks
	hadoop.hdfs.TestReadStripedFileWithMissingBlocks
	hadoop.hdfs.web.TestWebHDFS

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	HDFS-13167
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12911148/HDFS-13167.2.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 6850c859bdba 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	trunk / b9a429b
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_151
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/23126/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/23126/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/23126/testReport/
Max. process+thread count	4261 (vs. ulimit of 5500)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/23126/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org


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David Mollitor added a comment - 20/Feb/18 17:10

Test failures are unrelated.

I have uploaded a new patch to address the one check-style error.

▼

 genericqa added a comment - 20/Feb/18 20:09

 -1 overall


Vote	Subsystem	Runtime	Comment
0	reexec	0m 24s	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	19m 4s	trunk passed
+1	compile	0m 51s	trunk passed
+1	checkstyle	0m 34s	trunk passed
+1	mvnsite	0m 55s	trunk passed
+1	shadedclient	11m 6s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 47s	trunk passed
+1	javadoc	0m 52s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 54s	the patch passed
+1	compile	0m 49s	the patch passed
+1	javac	0m 49s	the patch passed
+1	checkstyle	0m 34s	the patch passed
+1	mvnsite	0m 56s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	10m 27s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 55s	the patch passed
+1	javadoc	0m 54s	the patch passed
			Other Tests
-1	unit	125m 16s	hadoop-hdfs in the patch failed.
+1	asflicense	0m 23s	The patch does not generate ASF License warnings.
		177m 40s	


Reason	Tests
Failed junit tests	hadoop.hdfs.server.namenode.TestTruncateQuotaUpdate
	hadoop.hdfs.web.TestWebHdfsTimeouts
	hadoop.hdfs.TestDFSStripedOutputStreamWithFailure
	hadoop.hdfs.server.namenode.TestDecommissioningStatus
	hadoop.hdfs.TestSafeModeWithStripedFileWithRandomECPolicy

Subsystem	Report/Notes
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Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	HDFS-13167
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12911255/HDFS-13167.3.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 620e2dca651b 4.4.0-64-generic #85-Ubuntu SMP Mon Feb 20 11:50:30 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 8896d20
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_151
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/23129/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/23129/testReport/
Max. process+thread count	3637 (vs. ulimit of 5500)
modules	C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/23129/console
Powered by	Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org

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✖  **Íñigo Goiri** added a comment - 20/Feb/18 20:52

[HDFS-13167.3.patch](#)  LGTM.
Committing to trunk.

✖  **Hudson** added a comment - 20/Feb/18 23:57

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #13688 (See <https://builds.apache.org/job/Hadoop-trunk-Commit/13688/>)

[HDFS-13167](#). DatanodeAdminManager Improvements. Contributed by BELUGA (inigoiri: rev 6f81cc0beea00843b44424417f09d8ee12cd7bae)


- (edit) hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/DatanodeAdminManager.java

✖ People

Assignee:

 **David Mollitor**

Reporter:

 **David Mollitor**

Votes:

 **0** Vote for this issue

Watchers:

 **4** Start watching this issue

✖ Dates

Created:

18/Feb/18 18:49

Updated:

19/Mar/18 18:31

4/20/23, 11:49 AM

[HDFS-13167] DatanodeAdminManager Improvements - ASF JIRA

Resolved:

20/Feb/18 23:18