



Block scanner INFO message is spamming logs

Details

Type:	Improvement	Status:	CLOSED
Priority:	Major	Resolution:	Fixed
Affects Version/s:	2.7.1	Fix Version/s:	2.8.0, 2.7.2, 3.0.0-alpha1
Component/s:	datanode		
Labels:	supportability		
Hadoop Flags:	Reviewed		

Description

We are seeing the following message spam the DN log:

```
2015-06-16 08:51:10,566 INFO org.apache.hadoop.hdfs.server.datanode.BlockScanner: Not scanning suspicious block BP-943360218-10.106.148.16-1416571803827:blk_1083076388_9372245 on DS-2ec89056-afb0-459e-b4e0-ac5eaeceda3, because the block scanner is disabled.
```

Create this jira to change this and other relevant messages to debug level.

Attachments

HDFS-8659.001.patch	3 kB	24/Jun/15 19:39
HDFS-8659.002.patch	2 kB	26/Jun/15 06:35

Activity

- [Yongjun Zhang](#) added a comment - 24/Jun/15 19:40
- Hi [cmccabe](#),
- Would you please help taking a look at the patch I just submitted?
- Thanks much.
- [Hadoop QA](#) added a comment - 24/Jun/15 22:11

-1 overall

Vote	Subsystem	Runtime	Comment
0	pre-patch	17m 55s	Pre-patch trunk compilation is healthy.
+1	@author	0m 0s	The patch does not contain any @author tags.
-1	tests included	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.
+1	javac	7m 48s	There were no new javac warning messages.
+1	javadoc	9m 47s	There were no new javadoc warning messages.
+1	release audit	0m 22s	The applied patch does not increase the total number of release audit warnings.
+1	checkstyle	2m 16s	There were no new checkstyle issues.
+1	whitespace	0m 0s	The patch has no lines that end in whitespace.

+1	install	1m 37s	mvn install still works.
+1	eclipse:eclipse	0m 34s	The patch built with eclipse:eclipse.
+1	findbugs	3m 17s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	native	3m 18s	Pre-build of native portion
-1	hdfs tests	65m 57s	Tests failed in hadoop-hdfs.
		112m 55s	

Reason	Tests
Timed out tests	org.apache.hadoop.hdfs.web.TestWebHDFSAttr

Subsystem	Report/Notes
Patch URL	http://issues.apache.org/jira/secure/attachment/12741684/HDFS-8659.001.patch
Optional Tests	javadoc javac unit findbugs checkstyle
git revision	trunk / 2236b57
hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/11472/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/11472/testReport/
Java	1.7.0_55
uname	Linux asf904.gq1.ygridcore.net 3.13.0-36-lowlatency #63-Ubuntu SMP PREEMPT Wed Sep 3 21:56:12 UTC 2014 x86_64 x86_64 x86_64 GNU/Linux
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/11472/console

This message was automatically generated.

Colin McCabe added a comment - 26/Jun/15 00:20

The if statements should not be necessary, for two reasons:

1. `slf4j` doesn't create new strings through concatenation unless the log is enabled (this is ignoring things like the overhead of `VolumeScanner#toString`)
2. These are not code paths we should hit often, since they are for handling I/O errors and starting up.

+1 once that's fixed.

thanks, [yzhangal](#).

Yongjun Zhang added a comment - 26/Jun/15 06:40

Thanks [cmccabe](#) for the review, and [brahmareddy](#) for a similar comment in email.

I attached rev 002 to address the comment. Plus, I found somehow rev 001 missed an important one in `BlockScanner` (though I remember I did that change last time), added back in rev 002.

Brahma Reddy Battula added a comment - 26/Jun/15 06:56

[yzhangal](#) thanks for updating the patch...rev 002 LGTM ,+1 (non-binding).

Hadoop QA added a comment - 26/Jun/15 11:21


 -1 overall

Vote	Subsystem	Runtime	Comment
0	pre-patch	18m 26s	Pre-patch trunk compilation is healthy.
+1	@author	0m 0s	The patch does not contain any @author tags.
-1	tests included	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.
+1	javac	7m 53s	There were no new javac warning messages.
+1	javadoc	10m 0s	There were no new javadoc warning messages.
+1	release audit	0m 24s	The applied patch does not increase the total number of release audit warnings.
+1	checkstyle	2m 26s	There were no new checkstyle issues.
+1	whitespace	0m 0s	The patch has no lines that end in whitespace.
+1	install	1m 38s	mvn install still works.
+1	eclipse:eclipse	0m 34s	The patch built with eclipse:eclipse.
+1	findbugs	3m 24s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	native	3m 21s	Pre-build of native portion
-1	hdfs tests	162m 30s	Tests failed in hadoop-hdfs.
		210m 39s	

Reason	Tests
Failed unit tests	hadoop.hdfs.server.namenode.TestCacheDirectives

Subsystem	Report/Notes
Patch URL	http://issues.apache.org/jira/secure/attachment/12742066/HDFS-8659.002.patch
Optional Tests	javadoc javac unit findbugs checkstyle
git revision	trunk / 8ef07f7
hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/11496/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/11496/testReport/
Java	1.7.0_55
uname	Linux asf904.gq1.ygridcore.net 3.13.0-36-lowlatency #63-Ubuntu SMP PREEMPT Wed Sep 3 21:56:12 UTC 2014 x86_64 x86_64 x86_64 GNU/Linux
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/11496/console


This message was automatically generated.

▼  [Yongjun Zhang](#) added a comment - 26/Jun/15 18:27

Thanks [brahmareddy](#).

Hi [cmccabe](#),

I ran the failed test TestCacheDirectives successfully at local machine. Would you please take a second look? thanks.

▼  [Colin McCabe](#) added a comment - 29/Jun/15 18:51


+1. Thanks, [yzhangal](#).

▼  [Hudson](#) added a comment - 29/Jun/15 22:01

FAILURE: Integrated in Hadoop-trunk-Commit #8089 (See <https://builds.apache.org/job/Hadoop-trunk-Commit/8089/>)
[HDFS-8659](#). Block scanner INFO message is spamming logs. Contributed by Yongjun Zhang. (yzhang: rev

43a1288fff5e323895fde66b9e3eb31a7412fcc2)

- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/BlockScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/VolumeScanner.java`

▼  Yongjun Zhang added a comment - 29/Jun/15 22:07

Thanks [cmccabe](#) and [brahmareddy](#) for the review.

I committed to trunk, branch-2 and branch-2.7.

▼  Hudson added a comment - 30/Jun/15 15:19

SUCCESS: Integrated in Hadoop-Mapreduce-trunk-Java8 #242 (See <https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Java8/242/>)

[HDFS-8659](#). Block scanner INFO message is spamming logs. Contributed by Yongjun Zhang. (yzhang: rev 43a1288fff5e323895fde66b9e3eb31a7412fcc2)


- `hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/BlockScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/VolumeScanner.java`

▼  Hudson added a comment - 30/Jun/15 15:37

SUCCESS: Integrated in Hadoop-Mapreduce-trunk #2190 (See <https://builds.apache.org/job/Hadoop-Mapreduce-trunk/2190/>)

[HDFS-8659](#). Block scanner INFO message is spamming logs. Contributed by Yongjun Zhang. (yzhang: rev 43a1288fff5e323895fde66b9e3eb31a7412fcc2)


- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/VolumeScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/BlockScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt`

▼  Hudson added a comment - 01/Jul/15 14:20

FAILURE: Integrated in Hadoop-Hdfs-trunk #2172 (See <https://builds.apache.org/job/Hadoop-Hdfs-trunk/2172/>)

[HDFS-8659](#). Block scanner INFO message is spamming logs. Contributed by Yongjun Zhang. (yzhang: rev 43a1288fff5e323895fde66b9e3eb31a7412fcc2)

- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/VolumeScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/BlockScanner.java`

▼  Hudson added a comment - 01/Jul/15 14:26

FAILURE: Integrated in Hadoop-Hdfs-trunk-Java8 #233 (See <https://builds.apache.org/job/Hadoop-Hdfs-trunk-Java8/233/>)

[HDFS-8659](#). Block scanner INFO message is spamming logs. Contributed by Yongjun Zhang. (yzhang: rev 43a1288fff5e323895fde66b9e3eb31a7412fcc2)

- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/BlockScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/datanode/VolumeScanner.java`
- `hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt`

▼ People

Assignee:

 Yongjun Zhang

Reporter:

 Yongjun Zhang

Votes:

 0 Vote for this issue

Watchers:

 6 Start watching this issue

Dates	
Created:	24/Jun/15 18:54
Updated:	06/Jan/17 01:40
Resolved:	29/Jun/15 22:07