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Hadoop HDFS / HDFS-9229

Expose size of NameNode directory as a metric

Details

Type:

Improvement

Priority: Signature Minor

Affects Version/s: 2.7.1

Component/s: namenode
Labels: None
Hadoop Flags: Reviewed

Status: RESOLVED

Resolution: Fixed

Fix Version/s:

2.8.0, 3.0.0-alpha1

Description

Useful for admins in reserving / managing NN local file system space. Also useful when transferring NN backups.

Attachments

■ HDFS-9229.001.patch	7 kB	17/Oct/15 12:46
■ HDFS-9229.002.patch	7 kB	18/Oct/15 15:30
■ HDFS-9229.003.patch	7 kB	21/Oct/15 11:39
■ HDFS-9229.004.patch	12 kB	25/Oct/15 19:11
■ HDFS-9229.005.patch	13 kB	26/Oct/15 06:30
■ HDFS-9229.006.patch	12 kB	29/Oct/15 04:54

Activity

Surendra Singh Lilhore added a comment - 12/Oct/15 17:06

Please feel free to reassign if you started working on this @

Please reer free to reassign if you started working on this

Zhe Zhang added a comment - 12/Oct/15 17:08

surendrasingh Thanks for the interest in this issue! I haven't started any work.

Surendra Singh Lilhore added a comment - 17/Oct/15 12:46

Attached Patch.

Please review...

■ O Hadoop QA added a comment - 17/Oct/15 15:04



Vote	Subsystem	Runtime	Comment
-1	pre-patch	27m 8s	Pre-patch trunk has 1 extant Findbugs (version 3.0.0) warnings.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	tests included	0m 0s	The patch appears to include 1 new or modified test files.
+1	javac	8m 44s	There were no new javac warning messages.
. 1	iovadaa	11m 2a	There were no new isynday werning massages

1

+1	javadoc	11111 38	rnere were no new javadoc warning messages.
+1	release audit	0m 25s	The applied patch does not increase the total number of release audit warnings.
+1	site	3m 17s	Site still builds.
-1	checkstyle	2m 51s	The applied patch generated 4 new checkstyle issues (total was 421, now 424).
+1	whitespace	0m 0s	The patch has no lines that end in whitespace.
+1	install	1m 35s	mvn install still works.
+1	eclipse:eclipse	0m 37s	The patch built with eclipse:eclipse.
+1	findbugs	4m 43s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	common tests	8m 28s	Tests passed in hadoop-common.
-1	hdfs tests	65m 31s	Tests failed in hadoop-hdfs.
		134m 26s	

Reason	Tests
Failed unit tests	hadoop.hdfs.TestRecoverStripedFile
	hadoop.hdfs.TestRollingUpgrade
	hadoop.hdfs.server.block management. Test Under Replicated Blocks
	hadoop.hdfs.server.namenode.TestRecoverStripedBlocks
Timed out tests	org.apache.hadoop.hdfs.tools.TestDFSAdminWithHA

Subsystem	Report/Notes
Patch URL	http://issues.apache.org/jira/secure/attachment/12767211/HDFS-9229.001.patch
Optional Tests	site javadoc javac unit findbugs checkstyle
git revision	trunk / 58590fe
Pre-patch Findbugs warnings	https://builds.apache.org/job/PreCommit-HDFS- Build/13038/artifact/patchprocess/trunkFindbugsWarningshadoop-hdfs.html
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/13038/artifact/patchprocess/diffcheckstylehadoop-hdfs.txt
hadoop-common test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13038/artifact/patchprocess/testrun_hadoop-common.txt
hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13038/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/13038/testReport/
Java	1.7.0_55
uname	Linux asf909.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/13038/console

Rakesh Radhakrishnan added a comment - 18/Oct/15 08:47

Thank you surendrasingh for the contribution, patch looks almost good. Just few comments, please take a look at it.

1. Unit is missing, please add it. (for example, in bytes)

```
+| `NameDirSize` | NameNode name directories size|
```

2. In tests, it would be good to assert the the size of the nnDirMap.size(). Presently it will miss the assertion and won't fail the test if the map wrongly returns the content with zero length, right?

```
+ Map<String, Long> nnDirMap =
+ (Map<String, Long>) JSON.parse(
```

- + (String) mbs.getAttribute(mxbeanName, "NameDirSize"));
- 3. Also, there are couple of checkstyle warnings related to the patch, please take care. Thanks!
- Surendra Singh Lilhore added a comment 18/Oct/15 15:30

Thanks rakeshr for review.

Attached updated patch. Please review...

► ○ Hadoop QA added a comment - 18/Oct/15 17:55



Vote	Subsystem	Runtime	Comment
-1	pre-patch	26m 6s	Pre-patch trunk has 1 extant Findbugs (version 3.0.0) warnings.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	tests included	0m 0s	The patch appears to include 1 new or modified test files.
+1	javac	9m 26s	There were no new javac warning messages.
+1	javadoc	11m 40s	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	site	3m 26s	Site still builds.
-1	checkstyle	2m 55s	The applied patch generated 1 new checkstyle issues (total was 421, now 421).
+1	whitespace	0m 0s	The patch has no lines that end in whitespace.
+1	install	1m 41s	mvn install still works.
+1	eclipse:eclipse	0m 36s	The patch built with eclipse:eclipse.
+1	findbugs	5m 7s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	common tests	8m 39s	Tests passed in hadoop-common.
-1	hdfs tests	65m 48s	Tests failed in hadoop-hdfs.
		135m 53s	

Reason	Tests
Failed unit tests	hadoop.hdfs.TestRecoverStripedFile
	hadoop.hdfs.server.datanode.TestDataNodeMetrics
	hadoop.hdfs.util.TestByteArrayManager

Subsystem	Report/Notes
Patch URL	http://issues.apache.org/jira/secure/attachment/12767257/HDFS-9229.002.patch
Optional Tests	site javadoc javac unit findbugs checkstyle
git revision	trunk / 0ab3f9d
Pre-patch Findbugs warnings	https://builds.apache.org/job/PreCommit-HDFS- Build/13042/artifact/patchprocess/trunkFindbugsWarningshadoop-hdfs.html
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/13042/artifact/patchprocess/diffcheckstylehadoophdfs.txt
hadoop-common test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13042/artifact/patchprocess/testrun_hadoop-common.txt

hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13042/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/13042/testReport/
Java	1.7.0_55
uname	Linux asf909.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/13042/console

Zhe Zhang added a comment - 20/Oct/15 23:24

Thanks for the work Surendra! A few quick comments:

```
+ public String getNNDirectorySize() {
+ Map<String, Long> storageTypeMap = new HashMap<String, Long>();
```

With Java 7 we don't need to specify type here.

```
+ public long getDirecorySize() {
+    if (!isShared && root != null) {
+       return org.apache.commons.io.FileUtils.sizeOfDirectory(root);
}
```

Maybe we should import org.apache.commons.io.FileUtils?

Another suggestion is to enhance the unit test to actually verify the size matches, instead of just verifying it's positive.

Surendra Singh Lilhore added a comment - 21/Oct/15 11:39

Thanks zhz for review...

Attached updated patch, please review..

✓ ○ Hadoop QA added a comment - 21/Oct/15 14:01

x -1 overall

Vote	Subsystem	Runtime	Comment
-1	pre-patch	26m 43s	Pre-patch trunk has 1 extant Findbugs (version 3.0.0) warnings.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	tests included	0m 0s	The patch appears to include 1 new or modified test files.
+1	javac	8m 43s	There were no new javac warning messages.
+1	javadoc	11m 1s	There were no new javadoc warning messages.
+1	release audit	0m 25s	The applied patch does not increase the total number of release audit warnings.
+1	site	3m 14s	Site still builds.
-1	checkstyle	2m 56s	The applied patch generated 1 new checkstyle issues (total was 421, now 421).
+1	whitespace	0m 0s	The patch has no lines that end in whitespace.
+1	install	1m 45s	mvn install still works.
+1	eclipse:eclipse	0m 35s	The patch built with eclipse:eclipse.
+1	findbugs	4m 52s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	common tests	8m 33s	Tests passed in hadoop-common.
-1	hdfs tests	63m 17s	Tests failed in hadoop-hdfs.
		132m 8s	

Reason Tests	
Failed unit tests	hadoop.hdfs.server.datanode.TestDataNodeHotSwapVolumes
	hadoop.hdfs.server.blockmanagement.TestNodeCount

Subsystem	Report/Notes
Patch URL	http://issues.apache.org/jira/secure/attachment/12767769/HDFS-9229.003.patch
Optional Tests	site javadoc javac unit findbugs checkstyle
git revision	trunk / 0c4af0f
Pre-patch Findbugs warnings	https://builds.apache.org/job/PreCommit-HDFS- Build/13105/artifact/patchprocess/trunkFindbugsWarningshadoop-hdfs.html
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/13105/artifact/patchprocess/diffcheckstylehadoop-hdfs.txt
hadoop-common test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13105/artifact/patchprocess/testrun_hadoop-common.txt
hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13105/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/13105/testReport/
Java	1.7.0_55
uname	Linux asf909.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/13105/console

Rakesh Radhakrishnan added a comment - 21/Oct/15 17:52

Thanks surendrasingh, latest patch looks good to me.

➤ ○ Haohui Mai added a comment - 21/Oct/15 18:09

The metric needs to live in a different place instead of NameNodeMXBean. All other metrics in the interface do not involve I/O and are polled frequently.

This metric requires an unbound I/O time which can break many monitoring applications.

Surendra Singh Lilhore added a comment - 23/Oct/15 17:08

Thanks wheat9 for suggestion..

Can I move this metric in NameNodeStatusMXBean ??

Zhe Zhang added a comment - 23/Oct/15 19:15

Thanks Haohui for the suggestion.

surendrasingh I agree NameNodeStatusMXBean does get pulled less frequently. But intuitively the directory size is a metric instead of NN status.

My alternative suggestion is to limit the frequency of checking the directory size to e.g. every 10 mins. If a request for the metric is made within the 10 mins window, the result from the last measurement is returned.

✓ ○ Jing Zhao added a comment - 23/Oct/15 19:36

How about updating the number only when a checkpoint is done or edits are rolled?

Surendra Singh Lilhore added a comment - 23/Oct/15 20:26

How about updating the number only when a checkpoint is done or edits are rolled?

I think its good idea. We can update metric when edits are rolled.

Zhe Zhang added a comment - 23/Oct/15 20:30

Good idea! Thanks Jing and Surendra.

Surendra Singh Lilhore added a comment - 25/Oct/15 19:11

Thanks zhz and jingzhao

Attached updated patch..

Changes in 004:

- 1. After NN start metric count will update in NNStorage constructor.
- 2. ANN will update count after edit log roll.
- 3. SNN will update metric count after tailing edit from ANN.
- 4. Added new test based on new changes.

Please review...

► ○ Hadoop QA added a comment - 25/Oct/15 21:33

-1 overall

Vote	Subsystem	Runtime	Comment
-1	pre-patch	24m 50s	Pre-patch trunk has 1 extant Findbugs (version 3.0.0) warnings.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	tests included	0m 0s	The patch appears to include 1 new or modified test files.
-1	javac	8m 34s	The applied patch generated 1 additional warning messages.
+1	javadoc	11m 5s	There were no new javadoc warning messages.
+1	release audit	0m 23s	The applied patch does not increase the total number of release audit warnings.
+1	site	3m 36s	Site still builds.
-1	checkstyle	2m 44s	The applied patch generated 2 new checkstyle issues (total was 490, now 491).
+1	whitespace	0m 1s	The patch has no lines that end in whitespace.
+1	install	1m 36s	mvn install still works.
+1	eclipse:eclipse	0m 34s	The patch built with eclipse:eclipse.
+1	findbugs	4m 44s	The patch does not introduce any new Findbugs (version 3.0.0) warnings.
+1	common tests	12m 54s	Tests passed in hadoop-common.
-1	hdfs tests	62m 53s	Tests failed in hadoop-hdfs.
		133m 57s	

Reason	Tests
Failed unit tests	hadoop.hdfs.util.TestByteArrayManager

Subsystem	Report/Notes	
Patch URL	http://issues.apache.org/jira/secure/attachment/12768621/HDFS-9229.004.patch	
Optional Tests	site javadoc javac unit findbugs checkstyle	

git revision	trunk / ab8eb87
Pre-patch Findbugs warnings	https://builds.apache.org/job/PreCommit-HDFS- Build/13186/artifact/patchprocess/trunkFindbugsWarningshadoop-hdfs.html
javac	https://builds.apache.org/job/PreCommit-HDFS-Build/13186/artifact/patchprocess/diffJavacWarnings.txt
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/13186/artifact/patchprocess/diffcheckstylehadoop-hdfs.txt
hadoop-common test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13186/artifact/patchprocess/testrun_hadoop-common.txt
hadoop-hdfs test log	https://builds.apache.org/job/PreCommit-HDFS-Build/13186/artifact/patchprocess/testrun_hadoop-hdfs.txt
Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/13186/testReport/
Java	1.7.0_55
uname	Linux asf909.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/13186/console

💌 🔘 Rakesh Radhakrishnan added a comment - 26/Oct/15 04:26

Thank you wheat9, jingzhao, zhz for the useful discussions.

Thank you surendrasingh for taking care this. I've few comments:

1. Do we need to update size inside lock, how about moving it outside?

```
+ //Update NameDirSize Metric
+ namesystem.getFSImage().getStorage().updateNameDirSize();
```

- 2. I could see name dir will be updated during FSImage#saveNamespace call FSImage.java#L1061, probably we could cover this logic also, right?
- 3. In tests, can we try avoids constant sleeping. One alternate approach I can think is to call #rollEditLog() function explicitly. For example, HATestUtil#waitForStandbyToCatchUp()

```
+ Thread.sleep(3*1000);
+ checkNNDirSize(cluster.getNameDirs(0), nn0.getNameDirSize());
+ checkNNDirSize(cluster.getNameDirs(1), nn1.getNameDirSize());
```

4. There is one minor checkstyle warning, please fix it.

```
NNStorage.java:1090:23: 'nnDirSizeMap' hides a field.
```

Surendra Singh Lilhore added a comment - 26/Oct/15 06:30

Thanks rakeshr for review and suggestions.

Attached updated patch. Addressed above review comments and accordingly changed test code..

Please review ...

Zhe Zhang added a comment - 27/Oct/15 19:17

Great work Surendra! The patch looks good overall. A few comments:

- We should add Javadoc for nameDirSizeMap
- 2. The behavior of shared directories is worth more discussions. The current patch returns 0 if the directory is shared. Since the purpose of this new metric is for local storage planning / provisioning, shall we report size of shared directory as well?

Nits:

- 1. Instead of directly using isShared variable, we should call isShared()
- 2. The temporary nnDirSizeMap is not necessary. I think we can directly clear and add to nameDirSizeMap.
- Surendra Singh Lilhore added a comment 28/Oct/15 11:54

Thanks zhz for review..

The behavior of shared directories is worth more discussions. The current patch returns 0 if the directory is shared. Since the purpose of this new metric is for local storage planning / provisioning, shall we report size of shared dirs as well?

Do we have any interface to get size of shared dirs in namenode?.

The temporary nnDirSizeMap is not necessary. I think we can directly clear and add to nameDirSizeMap.

This I did purposefully. Getting size for all the dir and updating in map will take some time because it is I/O call. Suppose we updated size for one dir and in-between some one read that map then he will get incomplete info.

Zhe Zhang added a comment - 28/Oct/15 22:58

Thanks Surendra! I agree with you on both points above. I understood shared dir wrong, thought it meant shared among different block pools.

So +1 pending a Javadoc on nameDirSizeMap and changing isShared to isShared() (assuming you agree).

To be extra safe I will file a follow-on JIRA to bound the time of sizeOfDirectory call (if timeout, just don't update the value).

▼ O Surendra Singh Lilhore added a comment - 29/Oct/15 04:54

Thanks zhz! Fixed remaining two comments. Attached updated patch. Please review..

➤ ○ Hadoop QA added a comment - 29/Oct/15 08:28



Vote	Subsystem	Runtime	Comment
0	reexec	0m 5s	docker + precommit patch detected.
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 1 new or modified test files.
+1	mvninstall	3m 4s	trunk passed
+1	compile	4m 19s	trunk passed with JDK v1.8.0_60
+1	compile	4m 8s	trunk passed with JDK v1.7.0_79
+1	checkstyle	0m 56s	trunk passed
+1	mvnsite	1m 35s	trunk passed
+1	mvneclipse	0m 28s	trunk passed
-1	findbugs	1m 48s	hadoop-hdfs-project/hadoop-hdfs in trunk cannot run convertXmlToText from findbugs
+1	javadoc	2m 0s	trunk passed with JDK v1.8.0_60
+1	javadoc	2m 47s	trunk passed with JDK v1.7.0_79
+1	mvninstall	2m 11s	the patch passed
+1	compile	4m 19s	the patch passed with JDK v1.8.0_60
+1	javac	4m 19s	the patch passed
+1	compile	4m 8s	the patch passed with JDK v1.7.0_79
+1	javac	4m 8s	the patch passed
-1	checkstyle	0m 57s	Patch generated 1 new checkstyle issues in root (total was 491, now 491).
+1	mvnsite	1m 33s	the patch passed
+1	mvneclipse	0m 28s	the patch passed
+1	whitespace	0m 0s	Patch has no whitespace issues.
+1	findbugs	3m 45s	the patch passed
+1	javadoc	1m 56s	the patch passed with JDK v1.8.0_60

+1	javadoc	2m 50s	the patch passed with JDK v1.7.0_79
-1	unit	6m 13s	hadoop-common in the patch failed with JDK v1.8.0_60.
-1	unit	61m 18s	hadoop-hdfs in the patch failed with JDK v1.8.0_60.
+1	unit	7m 53s	hadoop-common in the patch passed with JDK v1.7.0_79.
-1	unit	53m 31s	hadoop-hdfs in the patch failed with JDK v1.7.0_79.
-1	asflicense	0m 23s	Patch generated 58 ASF License warnings.
		175m 39s	

Reason	Tests
JDK v1.7.0_79 Failed junit tests	hadoop.ipc.TestIPC
	hadoop.hdfs.server.datanode.TestDataNodeMetrics
	hadoop.hdfs.server.namenode.ha.TestEditLogTailer
	hadoop.hdfs.server.namenode.ha.TestSeveralNameNodes
	hadoop.hdfs.server.datanode.TestBlockScanner
	hadoop.hdfs.server.datanode.TestDataNodeHotSwapVolumes

Subsystem	Report/Notes	
Docker	Client=1.7.1 Server=1.7.1 Image:test-patch-base-hadoop-date2015-10-29	
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12769473/HDFS-9229.006.patch	
JIRA Issue	HDFS-9229	
Optional Tests	asflicense site mvnsite javac javadoc mvninstall unit findbugs checkstyle compile	
uname	Linux 94b3d6c64bab 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	
Build tool	maven	
Personality	/home/jenkins/jenkins-slave/workspace/PreCommit-HDFS-Build/patchprocess/apache-yetus-67f42f1/precommit/personality/hadoop.sh	
git revision	trunk / b0c818b	
Default Java	1.7.0_79	
Multi-JDK versions	/usr/lib/jvm/java-8-oracle:1.8.0_60 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_79	
findbugs	v3.0.0	
findbugs	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/branch-findbugs-hadoop-hdfs-project_hadoop-hdfs.html	
checkstyle	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/diff-checkstyle-root.txt	
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-common-project_hadoop-common-jdk1.8.0_60.txt	
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_60.txt	
unit	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_79.txt	
unit test logs	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-common-project_hadoop-common-jdk1.8.0_60.txt https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_60.txt https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_79.txt	

JDK v1.7.0_79 Test Results	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/testReport/
asflicense	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/artifact/patchprocess/patch-asflicense-problems.txt
modules	C: hadoop-common-project/hadoop-common hadoop-hdfs-project/hadoop-hdfs U: .
Max memory used	226MB
Powered by	Apache Yetus http://yetus.apache.org
Console output	https://builds.apache.org/job/PreCommit-HDFS-Build/13270/console

Surendra Singh Lilhore added a comment - 29/Oct/15 09:26

Findbug and checkstyle warnings unrelated to this patch. Failed tests are passing locally...

Zhe Zhang added a comment - 29/Oct/15 18:24

Thanks Surendra! +1 on the latest patch. I just committed it to trunk and branch-2. Also thanks Rakesh, Haohui, and Jing for the helpful reviews.

O Hudson added a comment - 29/Oct/15 19:29

FAILURE: Integrated in Hadoop-trunk-Commit #8725 (See https://builds.apache.org/job/Hadoop-trunk-Commit/8725/) HDFS-9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- ▼ Hudson added a comment 29/Oct/15 20:00

FAILURE: Integrated in Hadoop-Mapreduce-trunk-Java8 #602 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Java8/602/)

HDFS 9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- $\bullet \ \ hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean. java$
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- ✓ O Hudson added a comment 29/Oct/15 20:53

FAILURE: Integrated in Hadoop-Mapreduce-trunk #2544 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk/2544/) HDFS-9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

• hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java

- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java

Hudson added a comment - 29/Oct/15 21:53

FAILURE: Integrated in Hadoop-Yarn-trunk #1337 (See https://builds.apache.org/job/Hadoop-Yarn-trunk/1337/) HDFS 9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java

Hudson added a comment - 29/Oct/15 22:08

FAILURE: Integrated in Hadoop-Yarn-trunk-Java8 #614 (See https://builds.apache.org/job/Hadoop-Yarn-trunk-Java8/614/) HDFS 9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md

▼ ○ Hudson added a comment - 30/Oct/15 01:46

FAILURE: Integrated in Hadoop-Hdfs-trunk-Java8 #552 (See https://builds.apache.org/job/Hadoop-Hdfs-trunk-Java8/552/) HDFS 9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java
- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt

Hudson added a comment - 30/Oct/15 02:45

FAILURE: Integrated in Hadoop-Hdfs-trunk #2490 (See https://builds.apache.org/job/Hadoop-Hdfs-trunk/2490/) HDFS-9229. Expose size of NameNode directory as a metric. Contributed by (zhz: rev 8def51a708e5de8a57689b8c9b3fd034cfd2cd78)

- hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSImage.java

- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/FSNamesystem.java
- hadoop-common-project/hadoop-common/src/site/markdown/Metrics.md
- hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NNStorage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/ha/EditLogTailer.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/common/Storage.java
- hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/namenode/NameNodeMXBean.java

Surendra Singh Lilhore added a comment - 30/Oct/15 06:32

Thanks zhz for reviews and commit.

People

Assignee:

Surendra Singh Lilhore

Reporter:

Zhe Zhang

Votes:

Vote for this issue

Watchers:

6 Start watching this issue

Dates

Created:

12/Oct/15 16:32

Updated:

30/Aug/16 01:25

Resolved:

29/Oct/15 18:24