

Item 130

git_comments:

1. * @return Internal name services specified in the conf.

git_commits:

1. **summary:** HDFS-9365. Balaner does not work with the HDFS-6376 HA setup.
message: HDFS-9365. Balaner does not work with the HDFS-6376 HA setup.

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Balancer does not work with the HDFS-6376 HA setup
description: HDFS-6376 added support for DistCp between two HA clusters. After the change, Balaner will use all the NN from both the local and the remote clusters.

jira_issues_comments:

1. Revised summary and description.
2. h9365_20151119.patch: changes balancer and mover to call getInternalNameServiceUris.
3. | (x) *{color:red}-1 overall{color}* | \ \ \ \ Vote \ \ Subsystem \ \ Runtime \ \ Comment \ \ |
| {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 10s {color} | {color:blue} docker +
precommit patch detected. {color} | | {color:green}+1{color} | {color:green} @author {color} |
{color:green} 0m 0s {color} | {color:green} The patch does not contain any @author tags. {color} | |
{color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green}
The patch appears to include 7 new or modified test files. {color} | | {color:green}+1{color} |
{color:green} mvninstall {color} | {color:green} 7m 36s {color} | {color:green} trunk passed {color} | |
{color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 38s {color} | {color:green}
trunk passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} compile {color} |
{color:green} 0m 41s {color} | {color:green} trunk passed with JDK v1.7.0_85 {color} | |
{color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 15s {color} | {color:green}
trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 52s
{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvneclipse
{color} | {color:green} 0m 14s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} |
{color:green} findbugs {color} | {color:green} 1m 55s {color} | {color:green} trunk passed {color} | |
{color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 8s {color} | {color:green}
trunk passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} javadoc {color} |
{color:green} 1m 46s {color} | {color:green} trunk passed with JDK v1.7.0_85 {color} | |
{color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 47s {color} | {color:green}
the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m
37s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} |
{color:green} javac {color} | {color:green} 0m 37s {color} | {color:green} the patch passed {color} | |
{color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 44s {color} | {color:green}
the patch passed with JDK v1.7.0_85 {color} | | {color:green}+1{color} | {color:green} javac {color} |
{color:green} 0m 44s {color} | {color:green} the patch passed {color} | | {color:red}-1{color} |
{color:red} checkstyle {color} | {color:red} 0m 15s {color} | {color:red} Patch generated 2 new
checkstyle issues in hadoop-hdfs-project/hadoop-hdfs (total was 110, now 109). {color} | |
{color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 51s {color} | {color:green}
the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green}
0m 14s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green}

whitespace {color} | {color:green} 0m 0s {color} | {color:green} Patch has no whitespace issues. {color}
| | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 2m 4s {color} | {color:green}
the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 4s
{color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} |
{color:green} javadoc {color} | {color:green} 1m 52s {color} | {color:green} the patch passed with JDK
v1.7.0_85 {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 51m 59s {color} |
{color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_66. {color} | | {color:red}-1{color} |
{color:red} unit {color} | {color:red} 49m 46s {color} | {color:red} hadoop-hdfs in the patch failed with
JDK v1.7.0_85. {color} | | {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 20s
{color} | {color:red} Patch generated 58 ASF License warnings. {color} | | {color:black}{color} |
{color:black} {color} | {color:black} 128m 21s {color} | {color:black} {color} | \\\| Reason \| Tests \| |
JDK v1.8.0_66 Failed junit tests | hadoop.hdfs.TestLeaseRecovery2 | |
hadoop.hdfs.shortcircuit.TestShortCircuitCache | | | hadoop.hdfs.TestRecoverStripedFile | | |
hadoop.hdfs.server.namenode.ha.TestSeveralNameNodes | | | hadoop.hdfs.TestReplaceDatanodeOnFailure
| | JDK v1.7.0_85 Failed junit tests | hadoop.hdfs.server.blockmanagement.TestBlockStatsMXBean | | |
hadoop.hdfs.TestDFSStripedOutputStreamWithFailure | \\\| Subsystem \| Report/Notes \| | Docker |
Image:yetus/hadoop:date2015-11-20 | | JIRA Patch URL |
https://issues.apache.org/jira/secure/attachment/12773427/h9365_20151119.patch | | JIRA Issue | HDFS-
9365 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle | |
uname | Linux Oed864245045 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@2/patchprocess/apache-yetus-
3f4279a/precommit/personality/hadoop.sh | | git revision | trunk / 4539131 | | findbugs | v3.0.0 | |
checkstyle | [https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/diff-
checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt](https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt) | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt | | unit |
[https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-
hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt](https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt) | | unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt
[https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-
hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt](https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt) | | JDK v1.7.0_85 Test Results |
<https://builds.apache.org/job/PreCommit-HDFS-Build/13573/testReport/> | | asflicense |
[https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-asflicense-
problems.txt](https://builds.apache.org/job/PreCommit-HDFS-Build/13573/artifact/patchprocess/patch-asflicense-problems.txt) | | modules | C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs | |
Max memory used | 77MB | | Powered by | Apache Yetus <http://yetus.apache.org> | | Console output |
<https://builds.apache.org/job/PreCommit-HDFS-Build/13573/console> | This message was automatically
generated.

4. **body:** Thanks [~szetszwo] for the patch. Few minor comments, apart from that it looks fine for me. #
{DFSUtil#getInternalNameServiceIds} - javadoc is missing. Also, it would be good to revisit the
javadocs of other APIs which are using InternalNameServices. # Incorrect format. {code} !ids.isEmpty()?
ids: DFSUtilClient.getNameServiceIds(conf); {code} # Please take a look at the checkstyle warnings
related to the patch.

label: documentation

5. h9365_20151120.patch: addresses Rakesh's comment.

6. (x) *{color:red}-1 overall{color}* | \\\| Vote \| Subsystem \| Runtime \| Comment \| |
{color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 0s {color} | {color:blue} Docker
mode activated. {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s
{color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} |
{color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green} The patch appears to
include 7 new or modified test files. {color} | | {color:green}+1{color} | {color:green} mvninstall {color}
| {color:green} 9m 51s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} |
{color:green} compile {color} | {color:green} 1m 3s {color} | {color:green} trunk passed with JDK
v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 55s
{color} | {color:green} trunk passed with JDK v1.7.0_85 {color} | | {color:green}+1{color} |
{color:green} checkstyle {color} | {color:green} 0m 20s {color} | {color:green} trunk passed {color} | |
{color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 9s {color} | {color:green}
trunk passed {color} | | {color:green}+1{color} | {color:green} mvnecclipse {color} | {color:green} 0m
15s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} findbugs
{color} | {color:green} 2m 32s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} |

{color:green} javadoc {color} | {color:green} 1m 30s {color} | {color:green} trunk passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 23s {color} | {color:green} trunk passed with JDK v1.7.0_85 {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 3s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 4s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 4s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 55s {color} | {color:green} the patch passed with JDK v1.7.0_85 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 0m 55s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 20s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 8s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 16s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s {color} | {color:green} Patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 2m 45s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 30s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 24s {color} | {color:green} the patch passed with JDK v1.7.0_85 {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 93m 50s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_66. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 94m 59s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_85. {color} | | {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 29s {color} | {color:red} Patch generated 56 ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 240m 2s {color} | {color:black} {color} | \ \ \ Reason \ Tests \ | JDK v1.8.0_66 Failed junit tests | hadoop.hdfs.server.namenode.ha.TestEditLogTailer | | hadoop.hdfs.TestPersistBlocks | | hadoop.hdfs.server.namenode.snapshot.TestRenameWithSnapshots | | hadoop.hdfs.security.TestDelegationTokenForProxyUser | | hadoop.hdfs.server.datanode.TestBlockReplacement | | hadoop.hdfs.server.datanode.TestDirectoryScanner | | JDK v1.7.0_85 Failed junit tests | hadoop.hdfs.server.namenode.ha.TestEditLogTailer | | hadoop.hdfs.server.datanode.TestDataNodeMultipleRegistrations | | hadoop.hdfs.security.TestDelegationTokenForProxyUser | | hadoop.hdfs.TestLocalDFS | | hadoop.hdfs.server.datanode.TestDataNodeVolumeFailure | | hadoop.hdfs.TestSafeModeWithStripedFile | | hadoop.hdfs.server.namenode.ha.TestStandbyCheckpoints | | hadoop.hdfs.server.datanode.TestBlockReplacement | | hadoop.hdfs.server.namenode.ha.TestHAAppend | | hadoop.hdfs.server.datanode.TestBPOfferService | | hadoop.hdfs.server.datanode.TestDirectoryScanner | \ \ \ Subsystem \ Report/Notes \ | Docker | Image:yetus/hadoop:0ca8df7 | | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12773635/h9365_20151120.patch | | JIRA Issue | HDFS-9365 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle | | uname | Linux 0cb972d95d8b 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 | /testptch/hadoop/patchprocess/precommit/personality/provided.sh | | git revision | trunk / a30ecb | | findbugs | v3.0.0 | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt | | unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt https://builds.apache.org/job/PreCommit-HDFS-Build/13593/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt | | JDK v1.7.0_85 Test Results | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/testReport/ | | asflicense | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/artifact/patchprocess/patch-asflicense-problems.txt | | modules | C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs | | Max memory used | 76MB | | Powered by | Apache Yetus http://yetus.apache.org | | Console output | https://builds.apache.org/job/PreCommit-HDFS-Build/13593/console | This message was automatically generated.

7. | (x) *{color:red}-1 overall{color}* | \ \ \ Vote \ Subsystem \ Runtime \ Comment \ | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 0s {color} | {color:blue} Docker

mode activated. {color} || {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s {color} | {color:green} The patch does not contain any @author tags. {color} || {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green} The patch appears to include 7 new or modified test files. {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 8m 12s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 47s {color} | {color:green} trunk passed with JDK v1.8.0_66 {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 45s {color} | {color:green} trunk passed with JDK v1.7.0_85 {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 18s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 55s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 14s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 2m 4s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 11s {color} | {color:green} trunk passed with JDK v1.8.0_66 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 59s {color} | {color:green} trunk passed with JDK v1.7.0_85 {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 52s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 44s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 0m 44s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 46s {color} | {color:green} the patch passed with JDK v1.7.0_85 {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 0m 46s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 17s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 58s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 14s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s {color} | {color:green} Patch has no whitespace issues. {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 2m 14s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 10s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 58s {color} | {color:green} the patch passed with JDK v1.7.0_85 {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 56m 13s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_66. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 52m 43s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_85. {color} || {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 19s {color} | {color:red} Patch generated 58 ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 137m 42s {color} | {color:black} {color} | \ \ \ || Reason || Tests || JDK v1.8.0_66 Failed junit tests | hadoop.hdfs.TestDFSClientRetries || | hadoop.hdfs.server.namenode.ha.TestSeveralNameNodes || | hadoop.hdfs.server.blockmanagement.TestComputeInvalidateWork || | hadoop.hdfs.server.datanode.TestBlockScanner || JDK v1.7.0_85 Failed junit tests | hadoop.hdfs.TestDFSStripedOutputStreamWithFailure040 | \ \ \ || Subsystem || Report/Notes || Docker | Image:yetus/hadoop:0ca8df7 || JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12773635/h9365_20151120.patch || JIRA Issue | HDFS-9365 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle || uname | Linux 9e495f2e2ec9 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 | /testptch/hadoop/patchprocess/precommit/personality/provided.sh || git revision | trunk / 9b8e50b || findbugs | v3.0.0 || unit | https://builds.apache.org/job/PreCommit-HDFS-Build/13692/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt || unit | https://builds.apache.org/job/PreCommit-HDFS-Build/13692/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt || unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/13692/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt https://builds.apache.org/job/PreCommit-HDFS-Build/13692/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_85.txt || JDK v1.7.0_85 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/13692/testReport/> || asflicense | <https://builds.apache.org/job/PreCommit-HDFS-Build/13692/artifact/patchprocess/patch-asflicense-problems.txt> || modules | C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs ||

Max memory used | 76MB | Powered by | Apache Yetus <http://yetus.apache.org> | Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/13692/console> | This message was automatically generated.

8. {code} - public static Collection<URI> getNsServiceRpcUris(Configuration conf) { - return getNameServiceUris(conf, + public static Collection<URI> getInternalNsRpcUris(Configuration conf) { {code} {{DFSConfigKeys.DFS_NAMENODE_SERVICE_RPC_ADDRESS_KEY}} contains both the external and the internal services name. Thus this might be problematic?
9. DFS_NAMENODE_SERVICE_RPC_ADDRESS_KEY (dfs.namenode.servicerpc-address) should contain only one address for the local service rpc server (for separating client and datanode traffic). It cannot contain more than one address. No?
10. Actually, do you mean combined keys DFSUtilClient.concatSuffixes(key, nsId)? The nsId is an internal ns after the patch. So I think it is fine.
11. The patch looks good to me. It needs a minor rebase. Also maybe we can add a new unit test in TestDFSUtil for the scenario where more than 1 name services are passed to {{getNameServiceUris}}. +1 after addressing the comment.
12. | (x) *{color:red}-1 overall{color}* | \ \ \ \ Vote \ \ Subsystem \ \ Runtime \ \ Comment \ \ | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 0s {color} | {color:blue} Docker mode activated. {color} | | {color:red}-1{color} | {color:red} patch {color} | {color:red} 0m 4s {color} | {color:red} HDFS-9365 does not apply to trunk. Rebase required? Wrong Branch? See <https://wiki.apache.org/hadoop/HowToContribute> for help. {color} | \ \ \ \ Subsystem \ \ Report/Notes \ \ | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12773635/h9365_20151120.patch | | JIRA Issue | HDFS-9365 | Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/15529/console> | Powered by | Apache Yetus 0.2.0 <http://yetus.apache.org> | This message was automatically generated.
13. > ... Also maybe we can add a new unit test in TestDFSUtil for the scenario where more than 1 name services are passed to getNameServiceUris. testGetNNServiceRpcAddressesForNsIds is already changed in h9365_20151120.patch to test 2 name services. Is it the same test case you suggested?
14. h9365_20160523.patch: sync'ed with trunk.
15. | (x) *{color:red}-1 overall{color}* | \ \ \ \ Vote \ \ Subsystem \ \ Runtime \ \ Comment \ \ | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 15s {color} | {color:blue} Docker mode activated. {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s {color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green} The patch appears to include 7 new or modified test files. {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 6m 56s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 50s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 35s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 59s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 15s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 55s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 10s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 0m 42s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 0m 42s {color} | {color:green} the patch passed {color} | | {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 29s {color} | {color:red} hadoop-hdfs-project/hadoop-hdfs: patch generated 2 new + 513 unchanged - 1 fixed = 515 total (was 514) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 48s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 12s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s {color} | {color:green} Patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 2m 5s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 0s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 59m 28s {color} | {color:green} hadoop-hdfs in the patch passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 39s {color} | {color:green} Patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 80m 33s {color} | {color:black} {color} | \ \ \

|| Subsystem || Report/Notes || | Docker | Image:yetus/hadoop:2c91fd8 || | JIRA Patch URL |
https://issues.apache.org/jira/secure/attachment/12805804/h9365_20160523.patch || | JIRA Issue | HDFS-9365 || | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle ||
uname | Linux e9f537d2211f 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 |
/testptch/hadoop/patchprocess/precommit/personality/provided.sh || | git revision | trunk / b4078bd ||
Default Java | 1.8.0_91 || | findbugs | v3.0.0 || | checkstyle | https://builds.apache.org/job/PreCommit-HDFS-Build/15533/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt || | Test
Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/15533/testReport/> || | modules | C:
hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs || | Console output |
<https://builds.apache.org/job/PreCommit-HDFS-Build/15533/console> || | Powered by | Apache Yetus 0.2.0
<http://yetus.apache.org> | This message was automatically generated.

16. bq. testGetNNServiceRpcAddressesForNsIds is already changed in h9365_20151120.patch to test 2 name services. Is it the same test case you suggested? Yes! Sorry I missed this. +1 on the latest patch.
17. SUCCESS: Integrated in Hadoop-trunk-Commit #9849 (See [<https://builds.apache.org/job/Hadoop-trunk-Commit/9849/>]) HDFS-9365. Balancer does not work with the HDFS-6376 HA setup. (szetszwo: rev 15ed080e3610b7526eff12391de780948a75fa7b) * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/balancer/TestBalancerWithNodeGroup.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/TestDFSUtil.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/mover/Mover.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/mover/TestMover.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/balancer/TestBalancerWithHANameNodes.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/mover/TestStorageMover.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/balancer/TestBalancerWithMultipleNameNodes.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/balancer/TestBalancer.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSUtil.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/balancer/Balancer.java
18. Thanks Rakesh, Haohui and Jing for the review comments. I have committed this.
19. Closing the JIRA as part of 2.7.3 release.
20. Cherry-picked it to 2.6.5 with minor merge conflict resolutions.