

git_comments:

1. The include/exclude files based config doesn't support upgrade domain config.
2. 0.5s
3. * * This test verifies upgrade domain is set according to the JSON host file.
4. wait until the cluster is up
5. Host file manager

git_commits:

1. **summary:** Add missing files from HDFS-9005. (lei)
message: Add missing files from HDFS-9005. (lei)

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Provide configuration support for upgrade domain
description: As part of the upgrade domain feature, we need to provide a mechanism to specify upgrade domain for each datanode. One way to accomplish that is to allow admins specify an upgrade domain script that takes DN ip or hostname as input and return the upgrade domain. Then namenode will use it at run time to set `{{DatanodeInfo}}`'s upgrade domain string. The configuration can be something like: `{noformat} <property>
<name>dfs.namenode.upgrade.domain.script.file.name</name> <value>/etc/hadoop/conf/upgrade-domain.sh</value>
</property> {noformat}` just like topology script,

jira_issues_comments:

1. **body:** Hi [~mingma], Why not use an XML file to set the upgrade domain for each DataNode instead of a script? Spawning scripts has been awkward in the past since it's slow and they can fail.
label: code-design
2. Thanks [~cmccabe]. We could use XML or other file format. The script approach could allow admins to regularly add machines to the cluster without any additional operation to update NN with upgrade domain of these new machines. If we use the XML approach, we will need additional steps to keep NN up to date such as a) use the script to generate updated XML file for the new machines. b) have NN reload the XML file before it reloads dfs.hosts file. Sure these steps can be automated. It is just somewhat easier for admins to use the script.
3. With the script approach, how does the NameNode know when the upgrade domain of a DataNode has changed? Does it poll the script periodically?
4. Currently it caches the data. It doesn't poll the script periodically. It works for our environment as the upgrade domains of a given node doesn't change. If the physical machine is moved around; it will have a new host name and upgrade domain. But I agree that if we need to dynamic update of upgrade domain or network location for a given node, we need manual or automatic refresh regardless if we use script or XML.
5. Yes, a refresh command would be nice. This seems kind of similar to the datanode include / exclude lists. Hmm. What if we replaced the current include and exclude files with a single JSON configuration file like this: `{code} { "included": [{ "hostname" : "a2402.example.com", "upgradeDomain" : "domain1" }, { "hostname" : "a2404.example.com", "upgradeDomain" : "domain1" }, { "hostname" : "a2406.example.com", "upgradeDomain" : "domain2" }], "excluded": [{ "hostname" : "a2408.example.com", }, { "hostname" : "a2410.example.com", }] } {code}` That would make it easy to see what was going on with the datanodes in the cluster at a glance. It would also allow us to use the existing `{{refreshDatanodes}}` command to refresh upgrade domains. We could use Jackson to do the JSON parsing without writing any code.
6. If we decide to add a new JSON facility for datanode information, it seems like it might be good to add network topology information to this as well. Then all node level information could be refreshed using a single mechanism.
7. Yes, that is a good idea. We discussed it briefly in the context of maintenance state support HDFS-7877. In the end, we ended up putting maintenance nodes to another file. That will be another scenario for this general DN properties support if we want to persist maintenance request. Any host can have properties like: `{noformat} "adminRequest": "maintenance" "maintenance expiration": "Sep 08 00:38:14 UTC 2015" "maintenance note": "OS upgrade is underway." {noformat}` In addition, do we have use cases where we need to turn this into more general DN property/label functionality so that admins can specify any properties?

8. **body:** [~jmeagher] provided some input from admins point of view. The existing refreshNodes has some limitations. * It requires admins update the hosts/excludes files on each NN local machine and then send refreshNodes RPC to NN. In some cases, it is much easier to manage if any remote machine(with admin privilege) can directly ask NN to decommission some nodes via RPC. * hosts/excludes files inconsistency across NNs. Having each NN has its own copy of the files couple introduces possible inconsistency of the files. * RefreshNodes efficiency. For a large cluster, reloading the whole files for all DN's just to update the property of few DN's isn't efficient. So we wonder if we should take this opportunity to look into another approach (might have been discussed before): * Add new RPC to ClientProtocol to allow dfsadmin to set properties for specific DN's, that could include decommission, upgrade domain, etc. * The request will be persisted to an extensible state store. It could be leveldb, fsimage/edit log, etc. Only active NN can update the state store. NNs will read from state store at start up time. Standby NN will get notified on state store change.
- label:** code-design
9. [~ctrezzo] will create a new jira for the design around "passing datanode admins properties via ClientProtocol" approach. Meanwhile, we should go ahead and use the existing refreshNodes flow to provide upgrade domain support; also some of the components such as json and datanode admin data structure can be reused later in the long-term design. Here is the draft patch that allows admins to specify all DN properties in one json file. Example: {noformat} {"hostName": "host1"} {"hostName": "host2", "port": 50, "upgradeDomain": "ud0"} {"hostName": "host3", "port": 0, "adminState": "DECOMMISSIONED"} {noformat} * Abstract host file manager into an interface for both the new json approach and the old include/exclude approach to implement. * Implement json file manager. The default is still the old include/exclude approach. * Have {{DatanodeManager}} get the upgrade domain from the host file manager. * Refactor test code w.r.t. host file writing.
10. (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 9 new or modified test files. {color} | | {color:green}+1 {color} | {color:green} mvninstall {color} | {color:green} 8m 38s {color} | {color:green} trunk passed {color} | | {color:green}+1 {color} | {color:green} compile {color} | {color:green} 1m 48s {color} | {color:green} trunk passed with JDK v1.8.0_66 {color} | | {color:green}+1 {color} | {color:green} compile {color} | {color:green} 1m 52s {color} | {color:green} trunk passed with JDK v1.7.0_91 {color} | | {color:green}+1 {color} | {color:green} checkstyle {color} | {color:green} 0m 32s {color} | {color:green} trunk passed {color} | | {color:green}+1 {color} | {color:green} mvnsite {color} | {color:green} 1m 36s {color} | {color:green} trunk passed {color} | | {color:green}+1 {color} | {color:green} mvneclipse {color} | {color:green} 0m 28s {color} | {color:green} trunk passed {color} | | {color:green}+1 {color} | {color:green} findbugs {color} | {color:green} 4m 13s {color} | {color:green} trunk passed {color} | | {color:green}+1 {color} | {color:green} javadoc {color} | {color:green} 1m 32s {color} | {color:green} trunk passed with JDK v1.8.0_66 {color} | | {color:green}+1 {color} | {color:green} javadoc {color} | {color:green} 2m 27s {color} | {color:green} trunk passed with JDK v1.7.0_91 {color} | | {color:green}+1 {color} | {color:green} mvninstall {color} | {color:green} 1m 30s {color} | {color:green} the patch passed {color} | | {color:green}+1 {color} | {color:green} compile {color} | {color:green} 1m 46s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1 {color} | {color:green} javac {color} | {color:green} 1m 46s {color} | {color:green} the patch passed {color} | | {color:green}+1 {color} | {color:green} compile {color} | {color:green} 1m 54s {color} | {color:green} the patch passed with JDK v1.7.0_91 {color} | | {color:green}+1 {color} | {color:green} javac {color} | {color:green} 1m 54s {color} | {color:green} the patch passed {color} | | {color:red}-1 {color} | {color:red} checkstyle {color} | {color:red} 0m 31s {color} | {color:red} Patch generated 30 new checkstyle issues in hadoop-hdfs-project (total was 444, now 465). {color} | | {color:green}+1 {color} | {color:green} mvnsite {color} | {color:green} 1m 34s {color} | {color:green} the patch passed {color} | | {color:green}+1 {color} | {color:green} mvneclipse {color} | {color:green} 0m 27s {color} | {color:green} the patch passed {color} | | {color:red}-1 {color} | {color:red} whitespace {color} | {color:red} 0m 0s {color} | {color:red} The patch has 1 line(s) that end in whitespace. Use git apply --whitespace=fix. {color} | | {color:green}+1 {color} | {color:green} xml {color} | {color:green} 0m 0s {color} | {color:green} The patch has no ill-formed XML file. {color} | | {color:red}-1 {color} | {color:red} findbugs {color} | {color:red} 2m 17s {color} | {color:red} hadoop-hdfs-project/hadoop-hdfs-client introduced 1 new FindBugs issues. {color} | | {color:red}-1 {color} | {color:red} findbugs {color} | {color:red} 2m 24s {color} | {color:red} hadoop-hdfs-project/hadoop-hdfs introduced 3 new FindBugs issues. {color} | | {color:green}+1 {color} | {color:green} javadoc {color} | {color:green} 1m 34s {color} | {color:green} the patch passed with JDK v1.8.0_66 {color} | | {color:green}+1 {color} | {color:green} javadoc {color} | {color:green} 2m 26s {color} | {color:green} the patch passed with JDK v1.7.0_91 {color} | | {color:green}+1 {color} | {color:green} unit {color} | {color:green} 1m 1s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.8.0_66. {color} | | {color:red}-1 {color} | {color:red} unit {color} | {color:red} 67m 51s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_66. {color} | | {color:green}+1 {color} | {color:green} unit {color} | {color:green} 0m 58s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.7.0_91. {color} | | {color:red}-1 {color} | {color:red} unit {color} | {color:red} 65m 56s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_91. {color} | | {color:green}+1 {color} | {color:green} asflicense {color} | {color:green} 0m 24s {color} | {color:green} Patch does not generate ASF License warnings. {color} | | {color:black} {color} | {color:black} {color} | {color:black} 178m 54s {color} | {color:black} {color} | \ \ \ | Reason | Tests | FindBugs | module:hadoop-hdfs-project/hadoop-hdfs-client | | org.apache.hadoop.hdfs.protocol.DatanodeAdminProperties.toString() may return null At DatanodeAdminProperties.java:At DatanodeAdminProperties.java:[line 64] | | FindBugs | module:hadoop-hdfs-

project/hadoop-hdfs || Format-string method String.format(String, Object[]) called with format string "Failed to resolve {} in {}." wants 0 arguments but is given 2 in
 org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager.parseEntry(String, String, int) At
 CombinedHostFileManager.java:with format string "Failed to resolve {} in {}." wants 0 arguments but is given 2 in
 org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager.parseEntry(String, String, int) At
 CombinedHostFileManager.java:[line 211] || Inconsistent synchronization of
 org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager\$HostProperties.emptyInServiceNodeLists;
 locked 50% of time Unsynchronized access at CombinedHostFileManager.java:50% of time Unsynchronized access at
 CombinedHostFileManager.java:[line 79] || Should
 org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager\$HostProperties be a _static_ inner class?
 At CombinedHostFileManager.java:inner class? At CombinedHostFileManager.java:[lines 68-149] || JDK v1.8.0_66
 Failed junit tests | hadoop.fs.viewfs.TestViewFileSystemWithAcls ||
 hadoop.hdfs.TestDFSStripedOutputStreamWithFailure000 || JDK v1.7.0_91 Failed junit tests |
 hadoop.hdfs.server.namenode.ha.TestBootstrapStandby || \ \ \ || Subsystem || Report/Notes || Docker |
 Image:yetus/hadoop:0ca8df7 || JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12780674/HDFS-9005.patch> || JIRA Issue | HDFS-9005 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit
 findbugs checkstyle xml || uname | Linux b3407a0ecb81 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 / c52b407 || Default Java |
 1.7.0_91 || Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0_66 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_91 ||
 findbugs | v3.0.0 || checkstyle | <https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project.txt> || whitespace | <https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/whitespace-eol.txt> || findbugs | https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/new-findbugs-hadoop-hdfs-project_hadoop-hdfs-client.html || findbugs |
https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/new-findbugs-hadoop-hdfs-project_hadoop-hdfs.html || unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt || unit |
https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_91.txt || unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_66.txt
https://builds.apache.org/job/PreCommit-HDFS-Build/14040/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_91.txt || JDK v1.7.0_91 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/14040/testReport/> || modules | C: hadoop-hdfs-project/hadoop-hdfs hadoop-hdfs-project/hadoop-hdfs-client U:
 hadoop-hdfs-project || Max memory used | 76MB || Powered by | Apache Yetus 0.2.0-SNAPSHOT
<http://yetus.apache.org> || Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/14040/console> | This
 message was automatically generated.

11. **body:** Hi, [~mingma] Thanks a lot for uploading this patch. I have a few questions regarding the JSON file and the code * What is the expected format for the JSON file? E.g., it seems that each DN has a separate JSON object? what is the pros and cons comparing putting them into an JSON array? * As mentioned previously, it is going to put include/exclude files into "all" file. Do we use different section (keys) to determine the included / excluded DNs or using the {{AdminState}}, it'd be nice to clarify that. * In {{HostsFileWriter#includeHosts/excludeHost}}, it seems that each function overwrite the whole conf file? Is it a expected behavior? A few minor issues: * There are a few comments that are not jdoc format. * Could you add more comments to {{HostConfigManager}}, {{DatanodeAdminProperties}} * It seems only changed due to space/indent? Could you revert it? {code} @Override public String apply(@Nullable InetAddress addr) { assert addr != null; return addr.getAddress().getHostAddress() + ":" + addr.getPort(); } }); {code} * It'd be nice to have a default value here. {code} <property> 2725 <name>dfs.namenode.hosts.provider.classname</name> 2726 <value></value> {code} Thanks!
label: code-design
12. Thanks [~eddyxu] for the review! Regarding the main question around JSON format, I like flat list of objects better than grouping it by exclude attribute as that is just one of several properties(although it is the most frequently changed property). Ease of editing shouldn't be an issue as it is likely this file will be written by high-level tool. Performance wise, reload time doesn't seem to have much difference among different formats. When you said JSON array, do you mean putting list of DN objects under a top-level element? BTW, the format used in the patch is similar to rumen and yarn scheduler simulator job trace formats; not that HDFS needs to be the same; just FYI. Otherwise, I am open to any formats. For {{HostsFileWriter#includeHosts/excludeHost}}, it does overwrite the whole files. Maybe it should be renamed to initIncludeHosts/initExcludeHost. So far the test code doesn't need addIncludeHosts/addExcludeHost. After we agree on the actual JSON file format, I will update the patch with the other suggestions you have.
13. Hey, [~mingma] sorry for the late reply and thanks for the explanation. Looking forward to see the newly updated patch!
14. **body:** Thanks [~eddyxu]! Here is the updated patch that addresses the issues you raised. In addition, the new patch has added new test cases and improved the code for better abstraction.
label: code-design
15. | (x) *{color:red}-1 overall{color}* | \ \ \ || Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 12s {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 11 new or modified test files. {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 18s {color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 6m 35s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 17s {color} | {color:green} trunk passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 20s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 30s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 24s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 24s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 3m 32s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 25s {color} | {color:green} trunk passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 8s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 8s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 17s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 14s {color} | {color:green} the patch passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 14s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 17s {color} | {color:green} the patch passed with JDK v1.7.0_95 {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 17s {color} | {color:green} the patch passed {color} || {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 28s {color} | {color:red} hadoop-hdfs-project: patch generated 28 new + 437 unchanged - 9 fixed = 465 total (was 446) {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 19s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 23s {color} | {color:green} the patch passed {color} || {color:red}-1{color} | {color:red} whitespace {color} | {color:red} 0m 0s {color} | {color:red} The patch has 1 line(s) that end in whitespace. Use git apply --whitespace=fix. {color} || {color:green}+1{color} | {color:green} xml {color} | {color:green} 0m 0s {color} | {color:green} The patch has no ill-formed XML file. {color} || {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 2m 10s {color} | {color:red} hadoop-hdfs-project/hadoop-hdfs generated 3 new + 0 unchanged - 0 fixed = 3 total (was 0) {color} || {color:red}-1{color} | {color:red} javadoc {color} | {color:red} 3m 46s {color} | {color:red} hadoop-hdfs-project_hadoop-hdfs-client-jdk1.8.0_74 with JDK v1.8.0_74 generated 2 new + 1 unchanged - 0 fixed = 3 total (was 1) {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 21s {color} | {color:green} the patch passed with JDK v1.8.0_74 {color} || {color:red}-1{color} | {color:red} javadoc {color} | {color:red} 6m 10s {color} | {color:red} hadoop-hdfs-project_hadoop-hdfs-client-jdk1.7.0_95 with JDK v1.7.0_95 generated 2 new + 1 unchanged - 0 fixed = 3 total (was 1) {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 8s {color} | {color:green} the patch passed with JDK v1.7.0_95 {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 50s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.8.0_74. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 59m 31s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_74. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 55s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.7.0_95. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 54m 19s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_95. {color} || {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 22s {color} | {color:red} Patch generated 1 ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 150m 51s {color} | {color:black} {color} | \ \ \ Reason || Tests || FindBugs | module:hadoop-hdfs-project/hadoop-hdfs || | Format-string method String.format(String, Object[]) called with format string "Failed to resolve {} in {}." wants 0 arguments but is given 2 in
org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager.parseEntry(String, String, int) At CombinedHostFileManager.java:with format string "Failed to resolve {} in {}." wants 0 arguments but is given 2 in
org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager.parseEntry(String, String, int) At CombinedHostFileManager.java:[line 212] || Inconsistent synchronization of
org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager\$HostProperties.emptyInServiceNodeLists; locked 50% of time Unsynchronized access at CombinedHostFileManager.java:50% of time Unsynchronized access at CombinedHostFileManager.java:[line 80] || Should
org.apache.hadoop.hdfs.server.blockmanagement.CombinedHostFileManager\$HostProperties be a _static_ inner class? At CombinedHostFileManager.java:inner class? At CombinedHostFileManager.java:[lines 69-150] || JDK v1.8.0_74 Failed junit tests | hadoop.hdfs.server.namenode.TestNameNodeMetadataConsistency || | hadoop.hdfs.TestFileAppend | | hadoop.hdfs.TestHFlush | | JDK v1.7.0_95 Failed junit tests | hadoop.hdfs.TestHFlush | \ \ \ Subsystem || Report/Notes || | Docker | Image:yetus/hadoop:0ca8df7 | | JIRA Patch URL |
<https://issues.apache.org/jira/secure/attachment/12792187/HDFS-9005-2.patch> | | JIRA Issue | HDFS-9005 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle xml || uname | Linux e9fc358c9e50 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 / 87c8005 || Default Java | 1.7.0_95 || Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0_74 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_95 || findbugs | v3.0.0 || checkstyle |

checkstyle-hadoop-hdfs-project.txt | | whitespace | <https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/whitespace-eol.txt> | | findbugs | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/new-findbugs-hadoop-hdfs-project_hadoop-hdfs.html | | javadoc | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/diff-javadoc-javadoc-hadoop-hdfs-project_hadoop-hdfs-client-jdk1.8.0_74.txt | | javadoc | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/diff-javadoc-javadoc-hadoop-hdfs-project_hadoop-hdfs-client-jdk1.7.0_95.txt | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt | | unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt | https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt | | JDK v1.7.0_95 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/14750/testReport/> | | asflicense | <https://builds.apache.org/job/PreCommit-HDFS-Build/14750/artifact/patchprocess/patch-asflicense-problems.txt> | | modules | C: hadoop-hdfs-project/hadoop-hdfs-client hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project | | Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/14750/console> | | Powered by | Apache Yetus 0.2.0 <http://yetus.apache.org> | This message was automatically generated.

16. **body:** Failed unit tests aren't related. Here is the new patch to address findbugs, checkstyle, whitespace and javadoc issues.

label: code-design

17. (x) *{color:red}-1 overall{color}* | \ \ \ \ Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 23s {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 11 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 27s {color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 8m 53s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 3m 38s {color} | {color:green} trunk passed with JDK v1.8.0_74 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 34s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 41s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 56s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 42s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 25s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 3m 13s {color} | {color:green} trunk passed with JDK v1.8.0_74 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 3m 15s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 9s {color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 28s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 53s {color} | {color:green} the patch passed with JDK v1.8.0_74 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 32s {color} | {color:green} the patch passed with JDK v1.7.0_95 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 32s {color} | {color:green} the patch passed {color} | | {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 32s {color} | {color:red} hadoop-hdfs-project: patch generated 5 new + 437 unchanged - 9 fixed = 442 total (was 446) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 32s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 25s {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} xml {color} | {color:green} 0m 0s {color} | {color:green} The patch has no ill-formed XML file. {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 4m 11s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 46s {color} | {color:green} the patch passed with JDK v1.8.0_74 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 23s {color} | {color:green} the patch passed with JDK v1.7.0_95 {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 1m 0s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.8.0_74. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 86m 39s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.8.0_74. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 1m 23s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.7.0_95. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 98m 42s {color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_95. {color} | | {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 31s {color} | {color:red} Patch generated 1 ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 238m 8s {color} | {color:black} {color} | \ \ \ \ Reason \| Tests \| | JDK v1.8.0_74 Failed junit tests | hadoop.hdfs.TestHFlush | | hadoop.hdfs.security.TestDelegationTokenForProxyUser | | hadoop.hdfs.TestFileAppend | | JDK v1.7.0_95 Failed junit tests | hadoop.hdfs.TestPersistBlocks | |

hadoop.hdfs.server.blockmanagement.TestBlockManager ||| hadoop.hdfs.server.datanode.TestDataNodeVolumeFailure
||| hadoop.hdfs.TestSafeMode ||| hadoop.hdfs.qjournal.TestSecureNNWithQJM |||
hadoop.hdfs.server.datanode.TestDirectoryScanner || \ \ \ || Subsystem || Report/Notes || Docker |
Image:yetus/hadoop:0ca8df7 || JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12793165/HDFS-9005-3.patch> || JIRA Issue | HDFS-9005 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit
findbugs checkstyle xml || uname | Linux 891f61372f6a 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 / 658ee95 || Default Java |
1.7.0_95 || Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0_74 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_95 ||
findbugs | v3.0.0 || checkstyle | <https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project.txt> || unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt || unit |
https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt || unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt
https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt || JDK v1.7.0_95 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/14802/testReport/> || asflicense | <https://builds.apache.org/job/PreCommit-HDFS-Build/14802/artifact/patchprocess/patch-asflicense-problems.txt> || modules | C: hadoop-hdfs-project/hadoop-hdfs-client
hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project || Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/14802/console> || Powered by | Apache Yetus 0.2.0 <http://yetus.apache.org> | This message was
automatically generated.

18. **body:** New patch to fix more checkstyle issues. For asflicense issue, it is due to the test json file, which won't allow comments. If that is absolutely required, we can modify the test case to generate the json file at run time.

label: code-design

19. (x) *{color:red}-1 overall{color}* | \ \ \ || Vote || Subsystem || Runtime || Comment || {color:blue}0{color} |
{color:blue} reexec {color} | {color:blue} 11m 9s {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 11 new or modified test files. {color} || {color:blue}0{color} |
{color:blue} mvndep {color} | {color:blue} 0m 18s {color} | {color:blue} Maven dependency ordering for branch
{color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 6m 35s {color} | {color:green}
trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 16s {color} |
{color:green} trunk passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} compile {color} |
{color:green} 1m 19s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} || {color:green}+1{color} |
{color:green} checkstyle {color} | {color:green} 0m 32s {color} | {color:green} trunk passed {color} ||
{color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 24s {color} | {color:green} trunk passed
{color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 26s {color} | {color:green}
trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 3m 36s {color} |
{color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 25s
{color} | {color:green} trunk passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} javadoc
{color} | {color:green} 2m 10s {color} | {color:green} trunk passed with JDK v1.7.0_95 {color} ||
{color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 9s {color} | {color:blue} Maven dependency
ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 17s {color} |
{color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m
13s {color} | {color:green} the patch passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green}
javac {color} | {color:green} 1m 13s {color} | {color:green} the patch passed {color} || {color:green}+1{color} |
{color:green} compile {color} | {color:green} 1m 18s {color} | {color:green} the patch passed with JDK v1.7.0_95
{color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 18s {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: patch generated 2 new + 436 unchanged - 9 fixed = 438 total (was 445) {color} ||
{color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 19s {color} | {color:green} the patch
passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 22s {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} xml
{color} | {color:green} 0m 1s {color} | {color:green} The patch has no ill-formed XML file. {color} ||
{color:green}+1{color} | {color:green} findbugs {color} | {color:green} 4m 4s {color} | {color:green} the patch passed
{color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 20s {color} | {color:green} the
patch passed with JDK v1.8.0_74 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m
9s {color} | {color:green} the patch passed with JDK v1.7.0_95 {color} || {color:green}+1{color} | {color:green} unit
{color} | {color:green} 0m 49s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.8.0_74.
{color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 56m 34s {color} | {color:red} hadoop-hdfs in
the patch failed with JDK v1.8.0_74. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m
55s {color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.7.0_95. {color} || {color:red}-1{color} |
{color:red} unit {color} | {color:red} 52m 59s {color} | {color:red} hadoop-hdfs in the patch failed with JDK
v1.7.0_95. {color} || {color:red}-1{color} | {color:red} asflicense {color} | {color:red} 0m 21s {color} | {color:red}

Patch generated 1 ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 157m 52s {color} | {color:black} {color} | \ \ \ || Reason || Tests || | JDK v1.8.0_74 Failed junit tests | hadoop.hdfs.TestHFlush || | JDK v1.7.0_95 Failed junit tests | hadoop.hdfs.server.namenode.TestEditLog || | hadoop.hdfs.TestHFlush | \ \ \ || Subsystem || Report/Notes || | Docker | Image:yetus/hadoop:0ca8df7 || | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12793336/HDFS-9005-4.patch> || | JIRA Issue | HDFS-9005 || | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle xml || | uname | Linux d8a289556cde 3.13.0-36-lowlatency #63-Ubuntu SMP PREEMPT Wed Sep 3 21:56:12 UTC 2014 x86_64 x86_64 GNU/Linux || | Build tool | maven || | Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh || | git revision | trunk / 5644137 || | Default Java | 1.7.0_95 || | Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0_74 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_95 || | findbugs | v3.0.0 || | checkstyle | <https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project.txt> || | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt || | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt || | unit test logs | https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.8.0_74.txt https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_95.txt || | JDK v1.7.0_95 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/14811/testReport/> || | asflicense | <https://builds.apache.org/job/PreCommit-HDFS-Build/14811/artifact/patchprocess/patch-asflicense-problems.txt> || | modules | C: hadoop-hdfs-project/hadoop-hdfs-client hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project || | Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/14811/console> || | Powered by | Apache Yetus 0.2.0 <http://yetus.apache.org> | This message was automatically generated.

20. +1. Thanks a lot [~mingma].
21. FAILURE: Integrated in Hadoop-trunk-Commit #9502 (See [<https://builds.apache.org/job/Hadoop-trunk-Commit/9502/>]) HDFS-9005. Provide support for upgrade domain script. (Ming Ma via Lei (lei: rev 4fcfea71bfb16295f3a661e712d66351a1edc55e) * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestUpgradeDomainBlockPlacementPolicy.java * hadoop-hdfs-project/hadoop-hdfs-client/src/main/java/org/apache/hadoop/hdfs/util/CombinedHostsFileWriter.java * hadoop-hdfs-project/hadoop-hdfs-client/src/main/java/org/apache/hadoop/hdfs/protocol/DatanodeAdminProperties.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/HostSet.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/util/TestCombinedHostsFileReader.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/HostConfigManager.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/util/HostsFileWriter.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/CombinedHostFileManager.java * hadoop-hdfs-project/hadoop-hdfs/src/test/resources/dfs.hosts.json * hadoop-hdfs-project/hadoop-hdfs-client/src/main/java/org/apache/hadoop/hdfs/util/CombinedHostsFileReader.java Add missing files from HDFS-9005. (lei) (lei: rev fde8ac5d8514f5146f438f8d0794116aaef20416) * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestHostsFiles.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/DatanodeManager.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/blockmanagement/TestHostFileManager.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/TestDatanodeReport.java * hadoop-hdfs-project/hadoop-hdfs/src/site/markdown/HdfsUserGuide.md * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/blockmanagement/TestBlocksWithNotEnoughRacks.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/blockmanagement/TestDatanodeManager.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/blockmanagement/HostFileManager.java * hadoop-hdfs-project/hadoop-hdfs/src/main/resources/hdfs-default.xml * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestStartup.java * hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSConfigKeys.java * hadoop-hdfs-project/hadoop-hdfs-client/src/main/java/org/apache/hadoop/hdfs/protocol/DatanodeID.java * hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/TestNameNodeMXBean.java
22. Thanks a lot for working on this. Committed to {{trunk}} and {{branch-2}}
23. bq. Patch generated 1 ASF License warnings. Why was this committed with a license warning?
24. Hi, [~aw], please see [~mingma]'s comment: bq. For asflicense issue, it is due to the test json file, which won't allow comments. If this is unacceptable, let us to file a new JIRA to generate this json file on demand as [~mingma] suggested?
25. It's concerning that: a) anyone would even suggest that it is ok to add a file that fails the ASF license check b) no one bothered to see how the *other* JSON files are handled in the source tree c) there are a ton of watchers (including PMC) and not a single one of you said anything To save you folks some time: no, it's not OK to just let a license violation hang out in the source tree. Never ever ever. That's an instant "do not commit." No, you don't need to generate it dynamically. Just add the file to the RAT exclusions list in the pom file and all will be well. Next up, is there a reason why the fix version is set to both 2.8.0 and 3.0.0?
26. Thank you [~eddyxu] for the commit! Thank you [~aw] for the suggestion on using rat to exclude that file. Filed HDFS-10221 to the file in the exclusion list.

27. I hadn't seen it. And yes, I'd have kept it back until the rat fix went in. Easily done.
28. Per the discussion in the umbrella jira, we want the feature to be in 2.8. Here is the patch for branch-2.8. It requires some manual effort. All HDFS tests passed locally.
29. Thanks [~mingma]! Triggering pre-commit Jenkins.
30. | (x) *{color:red}-1 overall{color}* | \ \ \ \ Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 39s{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 11 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 32s{color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 8m 37s{color} | {color:green} branch-2.8 passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 33s{color} | {color:green} branch-2.8 passed with JDK v1.8.0_131 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 34s{color} | {color:green} branch-2.8 passed with JDK v1.7.0_121 {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 33s{color} | {color:green} branch-2.8 passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 29s{color} | {color:green} branch-2.8 passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 29s{color} | {color:green} branch-2.8 passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 3m 38s{color} | {color:green} branch-2.8 passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 1s{color} | {color:green} branch-2.8 passed with JDK v1.8.0_131 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 23s{color} | {color:green} branch-2.8 passed with JDK v1.7.0_121 {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 9s{color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 14s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 24s{color} | {color:green} the patch passed with JDK v1.8.0_131 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 24s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 31s{color} | {color:green} the patch passed with JDK v1.7.0_121 {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 31s{color} | {color:green} the patch passed {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 0m 30s{color} | {color:orange} hadoop-hdfs-project: The patch generated 2 new + 454 unchanged - 9 fixed = 456 total (was 463) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 22s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 23s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 1s{color} | {color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} xml {color} | {color:green} 0m 1s{color} | {color:green} The patch has no ill-formed XML file. {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 3m 55s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 52s{color} | {color:green} the patch passed with JDK v1.8.0_131 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 17s{color} | {color:green} the patch passed with JDK v1.7.0_121 {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 1m 16s{color} | {color:green} hadoop-hdfs-client in the patch passed with JDK v1.7.0_121. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 62m 21s{color} | {color:red} hadoop-hdfs in the patch failed with JDK v1.7.0_121. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 21s{color} | {color:green} The patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 162m 46s{color} | {color:black} {color} | \ \ \ \ Reason \| Tests \| | JDK v1.7.0_121 Failed junit tests | hadoop.hdfs.TestRollingUpgrade | | hadoop.hdfs.TestFileAppendRestart | \ \ \ \ Subsystem \| Report/Notes \| | Docker | Image:yetus/hadoop:5970e82 | | JIRA Issue | HDFS-9005 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12865734/HDFS-9005.branch-2.8.001.patch> | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle xml | | uname | Linux 570102b3b933 3.13.0-116-generic #163-Ubuntu SMP Fri Mar 31 14:13:22 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh | | git revision | branch-2.8 / d1e6b6d | | Default Java | 1.7.0_121 | | Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0_131 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0_121 | | findbugs | v3.0.0 | | checkstyle | <https://builds.apache.org/job/PreCommit-HDFS-Build/19255/artifact/patchprocess/diff-checkstyle-hadoop-hdfs-project.txt> | | unit | https://builds.apache.org/job/PreCommit-HDFS-Build/19255/artifact/patchprocess/patch-unit-hadoop-hdfs-project_hadoop-hdfs-jdk1.7.0_121.txt | | JDK v1.7.0_121 Test Results | <https://builds.apache.org/job/PreCommit-HDFS-Build/19255/testReport/> | | modules | C: hadoop-hdfs-project/hadoop-hdfs-client hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project | | Console output | <https://builds.apache.org/job/PreCommit-HDFS-Build/19255/console> | | Powered by | Apache Yetus 0.5.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.
31. Backported to branch-2.8.