

Item 16

git_comments:

git_commits:

1. **summary:** HBASE-13701 Consolidate SecureBulkLoadEndpoint into HBase core as default for bulk load -- addendum
message: HBASE-13701 Consolidate SecureBulkLoadEndpoint into HBase core as default for bulk load -- addendum

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

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description: HBASE-12052 makes SecureBulkLoadEndpoint work in a non-secure env to solve HDFS permission issues. We have encountered some of the permission issues and have to use this SecureBulkLoadEndpoint to workaround issues. We should probably consolidate SecureBulkLoadEndpoint into HBase core as default for bulk load since it is able to handle both secure Kerberos and non-secure cases. Maintaining two versions of bulk load implementation is also a cause of confusion, and having to explicitly set it is also inconvenient.
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- [illegible]

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- [illegible]

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label: test

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label: code-design
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jira_issues_comments:

1. Going through the comments in HBASE-12052, [~mbertozzi] and [~apurtell] both had intention for a consolidation.
2. This will be helpful for HBASE-13153 as well, with this in place we can avoid two versions of bulk load implementation there as well.
3. +1. On a cluster in which HBase is run as a dedicated {{hbase}} service user, a number of the tests in {{hbase-it}} fail if run by a non-{{hbase}} user unless SecureBulkLoadEndpoint is used, anyway.
4. I wondered how that is going to work out for the Compatibility if I do away the SecureBulkLoadEndpoint but provide the same service on the RSRpcServices. SecureBulkLoadEndpoint is private, but it provides a public service. Need any deprecation? Old client won't work against new server. Is it Ok for 2.0?
5. bq. I wondered how that is going to work out for the Compatibility if I do away the SecureBulkLoadEndpoint but provide the same service on the RSRpcServices. We can keep SecureBulkLoadEndpoint as a class, which is just a thin wrapper to call the underlying methods in the regionserver. So that even if you have configured it, 1.x client will still work against 2.x clusters.
6. **body:** Then for compatibility, both existing non-secure and secure services needs to be maintained on RSRpcServices, and both non-secure and secure protobuf messages. I would like to see cleanup. But it turns out to be mandated, I will do what is needed.
label: code-design
7. bq. both non-secure and secure protobuf messages. We can add a new parameter to the bulkload protobuf message to indicate that newer clients knows about the new data flow.
8. **body:** The approach will be to rename SecureBulkLoadEndpoint to SecureBulkLoadManager and put it on HRegionServer. The bulk of its code logic will be un-touched. RSRpcServices will call into this SecureBulkLoadManager. SecureBulkLoadEndpoint will be kept and emptied to just call into SecureBulkLoadManager held on the HRegionServer. New client will call to RSRpcServices. Old client can still call into SecureBulkLoadEndpoint.
label: code-design
9. Plan sounds good [~jinghe]
10. The patch is relatively large. Mind putting on review board ? Thanks
11. | (x) *{color:red}-1 overall{color}* | \\ \\ || Vote || Subsystem || Runtime || Comment || |
| {color:green}+1{color} | {color:green} hbaseanti {color} | {color:green} 0m 0s {color} | {color:green} Patch does not have any anti-patterns. {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:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 16s {color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 4m 14s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 58s {color} | {color:green} master passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 31s {color} | {color:green} master passed with JDK v1.7.0_80 {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 8m 33s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 44s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 56s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 48s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 22s {color} | {color:green} master passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 11s {color} | {color:green} master passed with JDK v1.7.0_80 {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 11s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 42s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 9s {color} | {color:green} the patch passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} cc {color} | {color:green} 2m 9s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 9s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 30s {color} | {color:green} the patch passed with JDK v1.7.0_80 {color} || {color:green}+1{color} | {color:green} cc {color} | {color:green} 1m 30s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 30s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 7m 45s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 41s {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} hadoopcheck {color} | {color:green} 28m 49s {color} | {color:green} Patch does not cause any errors with Hadoop 2.4.0 2.4.1 2.5.0 2.5.1 2.5.2 2.6.1 2.6.2 2.6.3 2.7.1. {color} || {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 45s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 47s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 14s {color} | {color:green} the patch passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 58s {color} | {color:green} the patch passed with JDK v1.7.0_80 {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 23s {color} | {color:green} hbase-protocol in the patch passed. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 0m 59s {color} | {color:red} hbase-client in the patch failed. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 17m 22s {color} | {color:red} hbase-server in the patch failed. {color} || {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 26s {color} | {color:green} Patch does not generate ASF License warnings. {color} || {color:black} {color} | {color:black} {color} | {color:black} 98m 24s {color} | {color:black} {color} | \\ \\ || Reason || Tests || Failed junit tests | hadoop.hbase.client.TestMetricsConnection | | hadoop.hbase.regionserver.TestRegionMergeTransaction | \\ \\ || Subsystem || Report/Notes || JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12813138/HBASE-13701-v1.patch> | JIRA Issue | HBASE-13701 || Optional Tests | asflicense javac javadoc unit findbugs hadoopcheck hbaseanti checkstyle compile cc hbaseprotoc || uname | Linux asf900.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 || Build tool | maven || Personality | /home/jenkins/jenkins-slave/workspace/PreCommit-HBASE-Build/component/dev-support/hbase-personality.sh || git revision | master / 1d06850 || Default Java | 1.7.0_80 || Multi-JDK versions | /home/jenkins/tools/java/jdk1.8.0:1.8.0 /home/jenkins/jenkins-slave/tools/hudson.model.JDK/JDK_1.7_latest_:1.7.0_80 || findbugs | v3.0.0 || unit | <https://builds.apache.org/job/PreCommit-HBASE-Build/2352/artifact/patchprocess/patch-unit-hbase-client.txt> || unit | <https://builds.apache.org/job/PreCommit-HBASE-Build/2352/artifact/patchprocess/patch-unit-hbase-server.txt> || unit test logs |

client.txt <https://builds.apache.org/job/PreCommit-HBASE-Build/2352/artifact/patchprocess/patch-unit-hbase-server.txt> | Test Results | <https://builds.apache.org/job/PreCommit-HBASE-Build/2352/testReport/> | modules | C: hbase-protocol hbase-client hbase-server U: . | Console output | <https://builds.apache.org/job/PreCommit-HBASE-Build/2352/console> | Powered by | Apache Yetus 0.2.1 <http://yetus.apache.org> | This message was automatically generated.

12. **body:** Put it on Review Board. Again, this is a summary. 1. SecureBulkLoadEndpoint becomes SecureBulkLoadManager on the HRegionServer. Most of the code logic to do the bulk load is untouched. Only cleaned up the coprocessor endpoint related code. 2. SecureBulkLoadClient is moved to the client package. The lots of changes are to replace the old endpoint RPC calls with normal client RPC calls to the RSRpcServices 3. Most of SecureBulkLoad proto is moved into Client proto. The services in SecureBulkLoad proto are kept for backward compatibility. 4. LoadIncrementalHFiles calls SecureBulkLoadClient always. 5. Bulk load related test cases are all modified to use the new client.

label: code-design

13. All the bulk load related test cases passed. But the failed test cases in above run seem to be related. I will take a look.
14. Attached v2. Fixed the test failures TestMetricsConnection, TestRegionMergeTransaction (Set hbase.bulkload.staging.dir in HBaseCommonTestingUtility). Addressed Ted's comments in the RB.
15. | (x) *{color:red}-1 overall{color}* | \ \ \ \ | Vote | Subsystem | Runtime | Comment | |
| {color:green}+1{color} | {color:green} hbaseanti {color} | {color:green} 0m 0s {color} | {color:green} Patch does not have any anti-patterns. {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 8 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 8s {color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 2m 55s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 3s {color} | {color:green} master passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 27s {color} | {color:green} master passed with JDK v1.7.0_80 {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 1s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 42s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 18s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 31s {color} | {color:green} master passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 17s {color} | {color:green} master passed with JDK v1.7.0_80 {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 43s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 9s {color} | {color:green} the patch passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 2m 9s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 9s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 27s {color} | {color:green} the patch passed with JDK v1.7.0_80 {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 1m 27s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 27s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 3s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 42s {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} hadoopcheck {color} | {color:green} 26m 47s {color} | {color:green} Patch does not cause any errors with Hadoop 2.4.0 2.4.1 2.5.0 2.5.1 2.5.2 2.6.1 2.6.2 2.6.3 2.7.1. {color} | | {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 6m 10s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 25s {color} | {color:green} the patch passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 16s {color} | {color:green} the patch passed with JDK

v1.7.0_80 {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 20s {color} | {color:green} hbase-protocol in the patch passed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 1m 45s {color} | {color:green} hbase-common in the patch passed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 56s {color} | {color:green} hbase-client in the patch passed. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 95m 36s {color} | {color:red} hbase-server in the patch failed. {color} || {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 55s {color} | {color:green} Patch does not generate ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 177m 49s {color} | {color:black} {color} | \\ \\ || Reason || Tests || Failed junit tests |
hadoop.hbase.regionserver.TestPriorityRpc || |
hadoop.hbase.regionserver.TestHRegionWithInMemoryFlush | \\ \\ || Subsystem || Report/Notes || | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12813579/HBASE-13701-v2.patch> || JIRA Issue | HBASE-13701 || Optional Tests | asflicense javac javadoc unit findbugs hadoopcheck hbaseanti checkstyle compile cc hbaseprotoc || uname | Linux asf900.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 || Build tool | maven || Personality | /home/jenkins/jenkins-slave/workspace/PreCommit-HBASE-Build/component/dev-support/hbase-personality.sh || git revision | master / fc4b8aa || Default Java | 1.7.0_80 || Multi-JDK versions | /home/jenkins/tools/java/jdk1.8.0:1.8.0 /home/jenkins/jenkins-slave/tools/hudson.model.JDK/JDK_1.7_latest:1.7.0_80 || findbugs | v3.0.0 || unit | <https://builds.apache.org/job/PreCommit-HBASE-Build/2370/artifact/patchprocess/patch-unit-hbase-server.txt> || unit test logs | <https://builds.apache.org/job/PreCommit-HBASE-Build/2370/artifact/patchprocess/patch-unit-hbase-server.txt> || Test Results | <https://builds.apache.org/job/PreCommit-HBASE-Build/2370/testReport/> || modules | C: hbase-protocol hbase-common hbase-client hbase-server U: . || Console output | <https://builds.apache.org/job/PreCommit-HBASE-Build/2370/console> || Powered by | Apache Yetus 0.2.1 <http://yetus.apache.org> | This message was automatically generated.

16. Attached v3 to address review comments in RB, and added two new test cases to test backward compatibility only: TestHRegionServerBulkLoadWithOldClient
TestHRegionServerBulkLoadWithOldSecureEndpoint

17. Updated the RB as well.

18. (x) *{color:red}-1 overall{color}* | \\ \\ || Vote || Subsystem || Runtime || Comment || |
{color:green}+1{color} | {color:green} hbaseanti {color} | {color:green} 0m 0s {color} | {color:green} Patch does not have any anti-patterns. {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 12 new or modified test files. {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 23s {color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 3m 12s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 4s {color} | {color:green} master passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 27s {color} | {color:green} master passed with JDK v1.7.0_80 {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 10s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 42s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 18s {color} | {color:green} master passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 33s {color} | {color:green} master passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 15s {color} | {color:green} master passed with JDK v1.7.0_80 {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 42s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 7s {color} | {color:green} the patch passed with JDK v1.8.0 {color} || {color:green}+1{color} | {color:green} cc {color} | {color:green} 2m 7s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 7s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 30s {color} | {color:green} the patch passed with JDK v1.7.0_80 {color} || {color:green}+1{color} | {color:green} cc {color} | {color:green} 1m 29s {color} | {color:green} the patch passed {color} ||

{color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 29s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 17s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvnecclipse {color} | {color:green} 0m 43s {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} hadoopcheck {color} | {color:green} 26m 36s {color} | {color:green} Patch does not cause any errors with Hadoop 2.4.0 2.4.1 2.5.0 2.5.1 2.5.2 2.6.1 2.6.2 2.6.3 2.7.1. {color} | | {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 6m 14s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 34s {color} | {color:green} the patch passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 16s {color} | {color:green} the patch passed with JDK v1.7.0_80 {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 19s {color} | {color:green} hbase-protocol in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 1m 45s {color} | {color:green} hbase-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 57s {color} | {color:green} hbase-client in the patch passed. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 96m 42s {color} | {color:red} hbase-server in the patch failed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 58s {color} | {color:green} Patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 179m 58s {color} | {color:black} {color} | \ \ \ | Reason | Tests | Failed junit tests | hadoop.hbase.mapreduce.TestLoadIncrementalHFilesSplitRecovery | \ \ \ | Subsystem | Report/Notes | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12815373/HBASE-13701-v3.patch> | | JIRA Issue | HBASE-13701 | | Optional Tests | asflicense javac javadoc unit findbugs hadoopcheck hbaseanti checkstyle compile cc hbaseprotoc | | uname | Linux asf907.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 | | Build tool | maven | | Personality | /home/jenkins/jenkins-slave/workspace/PreCommit-HBASE-Build/component/dev-support/hbase-personality.sh | | git revision | master / e1d1309 | | Default Java | 1.7.0_80 | | Multi-JDK versions | /home/jenkins/tools/java/jdk1.8.0:1.8.0 /home/jenkins/jenkins-slave/tools/hudson.model.JDK/JDK_1.7_latest:1.7.0_80 | | findbugs | v3.0.0 | | unit | <https://builds.apache.org/job/PreCommit-HBASE-Build/2437/artifact/patchprocess/patch-unit-hbase-server.txt> | | unit test logs | <https://builds.apache.org/job/PreCommit-HBASE-Build/2437/artifact/patchprocess/patch-unit-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/PreCommit-HBASE-Build/2437/testReport/> | | modules | C: hbase-protocol hbase-common hbase-client hbase-server U: . | | Console output | <https://builds.apache.org/job/PreCommit-HBASE-Build/2437/console> | | Powered by | Apache Yetus 0.2.1 <http://yetus.apache.org> | This message was automatically generated.

19. Minor change in v4.

20. (x) *{color:red}-1 overall{color}* | \ \ \ | Vote | Subsystem | Runtime | Comment | | {color:green}+1{color} | {color:green} hbaseanti {color} | {color:green} 0m 0s {color} | {color:green} Patch does not have any anti-patterns. {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 13 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 16s {color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 2m 54s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 7s {color} | {color:green} master passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 26s {color} | {color:green} master passed with JDK v1.7.0_80 {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 5s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} mvnecclipse {color} | {color:green} 0m 43s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} hbaseprotoc {color} | {color:green} 0m 53s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 5m 16s {color} | {color:green} master passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 24s {color} | {color:green} master passed with JDK v1.8.0 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 16s {color} | {color:green} master passed with JDK v1.7.0_80 {color} | | {color:blue}0{color} | {color:blue} mvndep

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{color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 42s {color} | {color:green}
the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 7s
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patch passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 9m 10s
{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse
{color} | {color:green} 0m 42s {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} hadoopcheck {color} |
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2.5.0 2.5.1 2.5.2 2.6.1 2.6.2 2.6.3 2.7.1. {color} | | {color:green}+1{color} | {color:green} hbaseprotoc
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the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m
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{color:green} javadoc {color} | {color:green} 1m 16s {color} | {color:green} the patch passed with JDK
v1.7.0_80 {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 20s {color} |
{color:green} hbase-protocol in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit
{color} | {color:green} 1m 42s {color} | {color:green} hbase-common in the patch passed. {color} | |
{color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 56s {color} | {color:green}
hbase-client in the patch passed. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red}
86m 37s {color} | {color:red} hbase-server in the patch failed. {color} | | {color:green}+1{color} |
{color:green} asflicense {color} | {color:green} 1m 3s {color} | {color:green} Patch does not generate
ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 168m 23s
{color} | {color:black} {color} | \ \ \ Reason \ \ Tests \ \ Failed junit tests |
hadoop.hbase.regionserver.TestRegionMergeTransactionOnCluster | | Timed out junit tests |
org.apache.hadoop.hbase.replication.TestReplicationKillSlaveRS | | |
org.apache.hadoop.hbase.replication.regionserver.TestReplicationWALReaderManager | \ \ \ Subsystem
\ \ Report/Notes \ \ JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12815942/HBASE-13701-v4.patch> | JIRA Issue | HBASE-13701 | Optional Tests | asflicense javac javadoc unit findbugs
hadoopcheck hbaseanti checkstyle compile cc hbaseprotoc | | uname | Linux asf907.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 | | Build tool | maven | | Personality | /home/jenkins/jenkins-
slave/workspace/PreCommit-HBASE-Build/component/dev-support/hbase-personality.sh | | git revision |
master / 97f2294 | | Default Java | 1.7.0_80 | | Multi-JDK versions |
/home/jenkins/tools/java/jdk1.8.0:1.8.0 /home/jenkins/jenkins-
slave/tools/hudson.model.JDK/JDK_1.7_latest :1.7.0_80 | | findbugs | v3.0.0 | | unit |
<https://builds.apache.org/job/PreCommit-HBASE-Build/2505/artifact/patchprocess/patch-unit-hbase-server.txt> | | unit test logs | <https://builds.apache.org/job/PreCommit-HBASE-Build/2505/artifact/patchprocess/patch-unit-hbase-server.txt> | | Test Results |
<https://builds.apache.org/job/PreCommit-HBASE-Build/2505/testReport/> | | modules | C: hbase-protocol
hbase-common hbase-client hbase-server U: . | | Console output |
<https://builds.apache.org/job/PreCommit-HBASE-Build/2505/console> | | Powered by | Apache Yetus 0.2.1
<http://yetus.apache.org> | This message was automatically generated.

21. There is another point I want to raise here. The hbase.bulkload.staging.dir defaults to hbase.fs.tmp.dir which then defaults to {code} public static final String DEFAULT_TEMPORARY_HDFS_DIRECTORY = "/user/" + System.getProperty("user.name") + "/hbase-staging"; {code} This default would have problem on local file system standalone case. I am thinking about bringing hbase.bulkload.staging.dir to be under hbase.rootdir. We are bringing secure bulkload to the core. It makes sense to bring the staging dir under core control as well, instead of an optional property. Any concern?
22. I have tested v4.patch on live cluster with all the combinations I can think of. 1. non-Kerberos and Kerberos 2. old non-secure client and old secure client talking to new server for backward compatibility.

All works fine. Do you all have other comments? I can fix the question raised by my last comment separately.

23. +1 patch was ok for me, and the default staging dir under /hbase as default sounds ok for me (also useful there as default when you are using encryption zones).
24. Pushed to master. Thanks for reviews, [~mbertozzi], [~tedyu], [~enis]
25. [~jerryhe] please include the JIRA number in the commit message in the future. This went in without it, which makes it hard to trace back from the commit log.
26. Thanks, [~ghelmling]. My bad. Did it again. is there a way to amend the commit message without reverting and commit again?
27. Ok, I pushed a trivial addendum to fix a trivial issue and to show the JIRA number.
28. **body:** Hi [~jerryhe], I am looking into fixing some of the flaky tests here:
<https://builds.apache.org/job/HBASE-Find-Flaky-Tests/lastSuccessfulBuild/artifact/dashboard.html>. One of the tests is TestHRegionServerBulkLoadWithOldClient.java. I would appreciate if you can give me some pointers regarding why it could be failing and how to fix it. Thanks, Umesh
label: test
29. I will take a look, [~uagashe].
30. **body:** I have had TestHRegionServerBulkLoadWithOldClient running 20 times in a loop with master branch. All passed. {code} Running
org.apache.hadoop.hbase.regionserver.TestHRegionServerBulkLoadWithOldClient Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 92.146 sec - in
org.apache.hadoop.hbase.regionserver.TestHRegionServerBulkLoadWithOldClient Running
org.apache.hadoop.hbase.regionserver.TestHRegionServerBulkLoadWithOldClient Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 88.669 sec - in
org.apache.hadoop.hbase.regionserver.TestHRegionServerBulkLoadWithOldClient ... {code} I am not sure why it is on the flaky list. Let's try it out of the flaky list, I think.
label: test
31. Thanks for looking into it, [~jerryhe]!