Item 250

# $git\_comments:$

#### git\_commits:

1. **summary:** Simplify regression test for COUCHDB-1283

message: Simplify regression test for COUCHDB-1283 The previous version of this test relied on trying to bump into the all\_dbs\_active error from the couch\_server LRU. This proves to be rather difficult to reliably provide assertions on behavior. In hindsight all we really care about is that the compactor holds a monitor against the database and then we can trust couch\_server will not evict anything that is actively monitored. Fixes #680 label: code-design

## github\_issues:

1. title: EUnit: couchdb\_1283: View group shutdown fails

body: Hey @davisp we still have issues in couchdb 1283. \* https://builds.apache.org/blue/organizations/jenkins/CouchDB/detail/master/94/pipeline \* https://couchdb-vm2.apache.org/ci\_errorlogs/jenkins-couchdb-94-2017-07-14T16:50:13.852436/couchlog.tar.gz Makefile output: ``` View group shutdown couchdb\_views\_tests:315: couchdb\_1283...\*failed\* in function couchdb\_views\_tests:wait\_for\_process\_shutdown/3 (test/couchdb\_views\_tests.erl, line 420) in call from couchdb\_views\_tests:'-couchdb\_1283/0-fun-21-'/0 (test/couchdb\_views\_tests.erl, line 365) \*\*error:{assertion\_failed,[{module,couchdb\_views\_tests], {line,422}, {reason,"Failure waiting for db shutdown"}]} output:<<"">> ``` couch.log: ``` [info] 2017-07-14T16:50:03.368819Z nonode@nohost <0.20932.1> -- Apache CouchDB has started on http://127.0.0.1:46375/ [notice] 2017-07-14T16:50:03.369155Z nonode@nohost <0.20784.1> --- config: [compactions] \_default deleted for reason nil [info] 2017-07-14T16:50:03.369202Z nonode@nohost <0.7.0> ------ Application couch started on node nonode@nohost [notice] 2017-07-14T16:50:03.369958Z nonode@nohost <0.20784.1> ------ config: [couchdb] max\_dbs\_open set to 3 for reason nil [notice] 2017-07-14T16:50:03.371239Z nonode@nohost <0.20784.1> ------ config: [couchdb] delayed\_commits set to false for reason nil [info] 2017-07-14T16:50:03.643758Z nonode@nohost <0.20916.1> ------ alarm\_handler: {set,{system\_memory\_high\_watermark,[]}} [info] 2017-07-14T16:50:03.853451Z nonode@nohost 14T16:50:03.929427Z nonode@nohost <0.20952.1> ------ 127.0.0.1 - - GET /eunit-test-db-150051003375857/\_design/foo/\_view/foo 200 [error] 2017-07-14T16:50:05.045951Z nonode@nohost <0.21016.1> ------ gen\_server <0.21016.1> terminated with reason: killed last msg: {'EXIT', <0.21012.1>, killed} state: {st,<0.21012.1>,couch\_mrview\_index,undefined} [error] 2017-07-14T16:50:05.046769Z nonode@nohost <0.21016.1> ----- CRASH REPORT Process (<0.21016.1>) with 0 neighbors exited with reason: killed at gen\_server:terminate/7(line:826) <= proc\_lib:init\_p\_do\_apply/3(line:240); initial\_call: {couch\_index\_compactor,init,['Argument\_\_1']}, ancestors: [<0.21012.1>,<0.21011.1>], messages: [], links: [], dictionary: [], trap\_exit: true, status: running, heap\_size: 376, stack\_size: 27, reductions: 119 [error] 2017-07-14T16:50:05.047722Z nonode@nohost <0.21015.1> ------ gen\_server <0.21015.1> terminated with reason: killed last msg: {'EXIT',<0.21012.1>,killed} state: {st,<0.21012.1>,couch\_mrview\_index,undefined} [error] 2017-07-14T16:50:05.048419Z nonode@nohost <0.21015.1> ------ CRASH REPORT Process (<0.21015.1>) with 0 neighbors exited with reason: killed at gen\_server:terminate/7(line:826) <= proc\_lib:init\_p\_do\_apply/3(line:240); initial\_call: {couch\_index\_updater,init,['Argument\_\_1']}, ancestors: [<0.21012.1>,<0.21011.1>], messages: [], links: [], dictionary: [], trap\_exit: true, status: running, heap\_size: 1598, stack\_size: 27, reductions: 1690 [info] 2017-07-14T16:50:05.049159Z nonode@nohost <0.7.0> - Application couch exited with reason: stopped [info] 2017-07-14T16:50:05.049365Z nonode@nohost <0.20916.1> ----{clear,system\_memory\_high\_watermark} [info] 2017-07-14T16:50:05.051419Z nonode@nohost <0.7.0> ------ Application os\_mon exited with reason: stopped

label: test

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#### github\_issues\_comments:

1. **body:** Blargh. I'm pretty sure the flaky here is from trying to get a database to close by filling the LRU. Rather than do that I'm just gonna add a wait for the index update to finish and then kill the database forcefully. PR incoming. **label:** test

github\_pulls:

 $github\_pulls\_comments:$ 

github\_pulls\_reviews:

jira\_issues:

- 1. **summary:** Impossible to compact view groups when number of active databases > max\_dbs\_open **description:** Mike Leddy recently reported this issue in the users mailing list: http://mail-archives.apache.org/mod\_mbox/couchdb-user/201109.mbox/%3C1315949945.22123.22.camel@mike.loop.com.br%3E The attached patch is the simplest solution I can think of keeping the database open until the view compaction finishes. The patch includes a test case. It will need to be updated after Paul's view index refactoring (COUCHDB-1270).
- 2. **summary:** Impossible to compact view groups when number of active databases > max\_dbs\_open **description:** Mike Leddy recently reported this issue in the users mailing list: http://mail-archives.apache.org/mod\_mbox/couchdb-user/201109.mbox/%3C1315949945.22123.22.camel@mike.loop.com.br%3E The attached patch is the simplest solution I can think of keeping the database open until the view compaction finishes. The patch includes a test case. It will need to be updated after Paul's view index refactoring (COUCHDB-1270).
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## jira\_issues\_comments:

- 1. Paul, I made the necessary adaptions to the test case to use the new view modules. I also update couch\_mrview\_compactor, but this is not even close to what was done for 1.2.x (and 1.1.x) namely we need to keep the database open for the eventual case of recompaction and when recompaction happens, reopen the database atomically via couch\_db:reopen/1. Running this test, I get some error for couch\_mrview\_compactor when recompact happens. Hope you can give a hand here, as I'm not yet very familiar with the new view modules. Thanks
- - []}],{btree,<0.181.0>, {384486,20000,384638},#Fun<couch\_btree.3.126133433>,#Fun<couch\_btree.4.37628535>,#Fun<couch\_btree.5.9554535>,#Fun<couch\_mrview\_util.6.41372338> = ERROR REPORT==== 16-Sep-2011::00:10:38 === Error in process <0.190.0> with exit value: {undef,[{couch\_index\_updater,u
  - []},29237352},#Fun<couch\_btree.3.126133433>,#Fun<couch\_ejson\_compare.less\_json\_ids.2>,#Fun<couch\_mrview\_util.8.13864{ []}],{btree,<0.181.0>,
  - {384486,20000,384638},#Fun<couch\_btree.3.126133433>,#Fun<couch\_btree.4.37628535>,#Fun<couch\_btree.5.9554535>,#Fun<couch\_mrview\_util.6.41372338>couch\_index\_updater:updater/2 doesn't exist, but there's a 3-arity version of it, however I'm not sure where to get the 3rd argument for it.
- 3. Should be fixed by 1173435
- 4. Commit c8f340e11c8fb34c960e98309bd514df0bd7b222 in couchdb's branch refs/heads/680-fix-couchdb-1283-test from [~paul.joseph.davis] [ https://gitbox.apache.org/repos/asf?p=couchdb.git;h=c8f340e] Simplify regression test for COUCHDB-1283 The previous version of this test relied on trying to bump into the all\_dbs\_active error from the couch\_server LRU. This proves to be rather difficult to reliably provide assertions on behavior. In hindsight all we really care about is that the compactor holds a monitor against the database and then we can trust couch\_server will not evict anything that is actively monitored. Fixes #680
- 5. Commit 0f46cdeceb4d8c12a7e95ef110b381fdc6c3b2da in couchdb's branch refs/heads/master from [~paul.joseph.davis] [ https://gitbox.apache.org/repos/asf? p=couchdb.git;h=0f46cde ] Simplify regression test for COUCHDB-1283 The previous version of this test relied on trying to bump into the all\_dbs\_active error from the couch\_server LRU. This proves to be rather difficult to reliably provide assertions on behavior. In hindsight all we really care about is that the compactor holds a monitor against the database and then we can trust couch\_server will not evict anything that is actively monitored. Fixes #680

6. Commit 439e642363cbb7bbc299b844df p=couchdb.git;h=439e642 ] Fix regression we perform our desired assertions. Fixes	211e849aa667a8 in couchdb's b on test for COUCHDB-1283 Th #701	ranch refs/heads/master fron is makes sure that we correc	n [~paul.joseph.davis] [ https:// tly synchronize with the proce	/gitbox.apache.org/repos/asf? ss running compaction before