

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 @davisv 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 <0.21012.1> ----- Opening index for db: eunit-test-db-150051003375857 idx: _design/foo sig: "0963a19eb3ef007218f1e11f0aefa2d9" [info] 2017-07-14T16:50:03.853818Z nonode@nohost <0.21015.1> ----- Starting index update for db: eunit-test-db-150051003375857 idx: _design/foo [info] 2017-07-14T16:50:03.928889Z nonode@nohost <0.21015.1> ----- Index update finished for db: eunit-test-db-150051003375857 idx: _design/foo [notice] 2017-07-14T16:50:03.929427Z 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> ----- alarm_handler: {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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6. Commit 439e642363cbb7bbc299b844df211e849aa667a8 in couchdb's branch refs/heads/master from [~paul.joseph.davis] [<https://gitbox.apache.org/repos/asf?p=couchdb.git;h=439e642>] Fix regression test for COUCHDB-1283 This makes sure that we correctly synchronize with the process running compaction before we perform our desired assertions. Fixes #701