git_comments:

git_commits:

1. **summary:** fix: single node state (#2574)
   message: fix: single node state (#2574)

github_issues:

1. **title:** Unexpected cluster state for single node config
   body: [NOTE]: # (^^ Provide a general summary of the issue in the title above. ^^) ## Description With CouchDB 3.x (#2296) we have the option to setup a node as "single node" via config setting. I expected this to have the same effect like using the Fauxton cluster setup UI from CouchDB 2.x. [NOTE]: # (Describe the problem you're encountering.) [TIP]: # (Do NOT give us access or passwords to your actual CouchDB!) Using the new config setting we get the following cluster state at `/_cluster_setup`: ```{"state":"cluster_finished"}``` When using the Fauxton based single node setup, the `/_cluster_setup` endpoint returns: ```{"state":"single_node_enabled"}``` ## Steps to Reproduce [NOTE]: # (Include commands to reproduce, if possible. curl is preferred.) ``` git clone https://github.com/apache/couchdb-docker cd couchdb-docker/ echo -e "\n[couchdb]\nsingle_node = true\n" >> dev/local.ini docker build -t couchdb:3 dev docker run --rm -it --env COUCHDB_USER=admin --env COUCHDB_PASSWORD=password -p 5984:5984 couchdb:3 curl --user admin:password -X GET "http://localhost:5984/_cluster_setup" ``` ## Expected Behaviour [NOTE]: # (Tell us what you expected to happen.) `GET /_cluster_setup` should return `single_node_enabled` when the new `couchdb.single_node=true` setting has been used. ## Your Environment [TIP]: # (Include as many relevant details about your environment as possible.) [TIP]: # (You can paste the output of curl http://YOUR-COUCHDB:5984/ here.) * CouchDB version used: `CouchDB/3.0.0-8748310 (Erlang OTP/21)` * Operating system and version: Docker image based on [docker-couchdb](https://github.com/apache/couchdb-docker) (`docker build -t couchdb:3 dev`)
   label: code-design
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github_issues_comments:

1. **body:** Good find! Agreed that this is a little confusing. CouchDB internals don't really care about cluster vs. single node. A single node just happens to be a cluster of one, hence the confusion. The introduction of the new setting requires one more clause in this function: https://github.com/apache/couchdb/blob/3f64ef2b98796ba8e0391fb80483502fdafc6a8c/src/setup/src/setup_httpd.erl#L30-L54 It should be easy enough to add, using `config:get_boolean()` like here https://github.com/apache/couchdb/blob/3f64ef2b98796ba8e0391fb80483502fdafc6a8c/src/setup/src/setup_sup.erl#L38 @gesellix wanna try a PR?
   label: code-design
2. > wanna try a PR? Oh yes, the code pointers help a lot. I'll try!
3. Fixed with #2574 - thx @janl!
4. Not sure if #2574 fixes this issue. @janl can you confirm that `is_single_node_enabled` will be called in case of a single_node-configured instance? I think that it won't be called, because `GET /_node/_local/_config` yields `cluster.n = 3` for me. `is_single_node_enabled` will only be called in case of `cluster.n = 1`.
5. Ah shoot, you're right! Cc @wohali
6. Thanks @gesellix
7. 🙏 you're welcome

github_pulls:

1. **title:** fix: single node state
   body: Fixes #2557 sorry @gesellix :)

github_pulls_comments:

github_pulls_reviews:

jira_issues:

jira_issues_comments: