

Database Meeting Notes 2014-05-28

Date

May 28, 2014

Attendees

- Jacek Becla
- Andy Salnikov
- Unknown User (danielw)
- Unknown User (bchick)
- Serge Monkewitz
- Fabrice Jammes

Goals

- Discuss blockers, closing May sprint

Discussion Items

Dependencies for Ubuntu 14.04

- remove antlr
- add curl, doxygen-latex, latex2html, flex, bison, openjdk-7-jdk, libcurl4-openssl-dev
- longer-term, it'd be useful to consider using lightweight containers (like Docker)
 - redhat 7 will support natively
 - open issue so that we don't forget [Jacek]

DM-710

- needs review, can wait for June release

Serge needs to review

- DM-516 easy, will review soon
- DM-707 easy, will review soon
- DM-705 - requires discussion, related to data distribution

Data distribution adhoc discussion

- need to store somewhere
 - chunk --> node mapping
 - node configuration
 - node runtime information
- we are talking about potentially 100K+ values (unless we pack)
- accessed by replica management system, not by client nodes
- actually, we should think about access patterns: what clients need from that "store", with what frequency etc
 - AndyS will start a draft
- Zookeeper is most likely too heavy-weight for all the above
- Might consider: cassandra, mysql cluster ndb, or maybe even through apache server
 - AndyS will check out if mysql cluster ndb makes sense to consider

DM-630

- spent time on fixing this (fixed during the meeting)

Logging

- going with 2 sets of macros:
 - "log" = vararg printf style
 - "logf" = boost format style
- prototype finished
- Bill updating documentation now
- next step: need to package (involves some restructuring)
 - should be done by next meeting (1 week)
 - open ticket [Jacek]
- Fabrice will package log4cxx
- Bill leaving SLAC mid-June
- AndyS will maintain the code after Bill leaves

Daily Qserv hour?

- 1pm pacific, daily
- hangout only, no meeting room, no agenda
- will try for some time and see how we like it

Releasing Qserv software

- release branch names: releases/monthly/YYYY_MM
- release tag names: YYYY_MM.x, where x is a sequential number starting from 0

May release

- DM-630 goes in (non-partition table bug fix)
- DM-613 goes in (minor tweaks to qserv_testdata)
- all the rest pushed to next sprint

Action Items

- ☒ Jacek Becla open new issues about (a) using lightweight containers, (b) packaging logging
- ☐ [Andy Salnikov](#) produce draft doc about expected access patterns to data distribution related data store
- ☐ [Andy Salnikov](#) research mysql cluster ndb