

Database Meeting Notes 2014-05-14

Date

May 14, 2014

Attendees

- [Jacek Becla](#)
- [Unknown User \(danielw\)](#)
- [Serge Monkewitz](#)
- [Unknown User \(bchick\)](#)
- [Fabrice Jammes](#)

Goals

- Discuss blockers, short term plan and design

Discussion Items

DM-510

- remove objIdIndex
- rename drivingTable and keyColName to dirTable, dirColName (dir == director)

Unassociated sources

- special case, complicates design
- we need an estimate of the count
- options:
 - dummy object for each unassociated source (problem: Object table grows)
 - one dummy object per chunk for all unassociated sources in a chunk (problem: complicates design elsewhere)
 - maintain a separate table for all unassociated sources (preferred solution for now)
- Open a new issue (Jacek)

Doing subchunking with overlap

- for background, see Daniel's email sent to qserv-l 5/3/2014
- Write short description why we need subchunking (Daniel)
- Decide in ~Sept, maybe we can outsource this problem to mysql developers, after all, subchunking = optimization needed because optimizer is dumb
- and ask Monty how hard

DM-666

- Serge wrote a patch
- Fabrice tested, made one tiny fix, packaging now

DM-220

- Daniel found memory leak
- Add comments what we want AndyH to implement/fix (Daniel)

DM-195 (logging)

- finished another iteration
- better docs on trac
- few more features suggested by K-T, biggest item is: want both boost and printf, question: do we want
- to maintain both
- printf is much faster than boost (based on tests)
- playing with speeding up boost version
- one super wrapper? No
- For packaging:
 - need to change namespaces
 - look at the partition.git
 - push to contrib (Bill), then Serge will take a look
 - package name: "logging"? Double check with [Mario Juric](#) and [Kian-Tat Lim](#)
 - expecting to have it packaged by next meeting

DM-70

- Trying to decide how much to rewrite
- Daniel wants to hear what was ugly about existing code eg AsyncQueryMgr

DM-365

- would like to rename names, but eups package must have the same name as git repo
- wants: qservdata --> qserv_testdata
- find out if it is ok to rename report, and how easy (Jacek)
- qserv should not depend on qservdata

DM-648

- It is related to DM-481
- Discussed last wee and assigned to [Andy Salnikov](#), [Fabrice Jammes](#) wants to have a look and will try to implement

DM-516

- see comments, just submitted (no locking guarantee, consider using kazoo locking, removing KVInterface)

DM-198

- progress, but not as far as planned

DM-626

- "distinct" was never handled
- "order by" - old parser passed everything

DM-207

- divide into:
 - migrate Qserv into the new logging system, remove old logging (2 weeks)
 - polishing what messages are printed, debug levels etc

New issues opened since last meeting:

- DM-661 Parser has inverted order for "limit" and "order by"
- DM-659 running individual query in the automated test suite
- DM-658 automated tests should use their own dedicated database, not "LSST"
- DM-657 qserv initialization broken when previously registered database does not exist
- DM-656 selecting from non-partitioned table is broken
 - was table unpartitioned? Jacek will check
- DM-655 unknown column derails Qserv
 - squashing will be rewritten in DM-70
- DM-664 "out of range value" message when running qserv-testdata (loader.py)
- DM-666 DM-366 partition package should use sconUtils to detect eups-related boost

Action Items

- ☒ Jacek Becla update DM-510
- ☒ Jacek Becla open issue about unassociated sources
- ☐ [Unknown User \(danielw\)](#) Write short description why we need subchunking
- ☒ Unknown User (danielw) Add comment about valgrind messages in DM-220
- ☒ Jacek Becla Determine name for logging package
- ☒ Jacek Becla, Add comments to DM-70: what was ugly about existing code eg AsyncQueryMgr
- ☐ [Serge Monkewitz](#) Add comments to DM-70: what was ugly about existing code eg AsyncQueryMgr
- ☐ [Unknown User \(bchick\)](#) Add comments to DM-70: what was ugly about existing code eg AsyncQueryMgr
- ☒ Jacek Becla find out if ok to rename git module
- ☒ Jacek Becla break DM-207 into two
- ☒ Jacek Becla check on DM-656
- ☒ Jacek Becla update DM-655