Database Hangout 2015-02-18

Date

18 Feb 2015

Attendees

- Fritz Mueller
- Unknown User (danielw)
- Andy Salnikov
- Vaikunth Thukral (in person at slac this week!)
- Fabrice Jammes
- Serge Monkewitz
- Jacek Becla

Discussion items

DM-1618 (creation of distributed dbs)

- for now, create from the data loader, refactoring that code and basing it on CSS now

DM-1619 (creation of distributed tables)

- easy once we have DM-1618

DM-998 (multi node integration)

- biggest problem: bring up the cluster
- loading using the new loader is simple. Need DM-1618 and DM-1619

DM-211

- need to open stories. Added DM-2059, DM-2060, DM-2061

MaxDB

- Serge will attend
- Create story, attach notes from mtg there

DM-681

- probably 6 SP, not 4, close to finishing

DM-322

- almost done

DM-219

- a lot of cleanup already done
- if can't finish this month, will close this ticket, open new one for later

DM-854

- data set Fabrice chose to use uncovered issue with empty overlap tables
- switching to other data set allows him to reproduce the problem

Empty overlap tables

- query execution expects all chunks and all overlaps to exist, even if they are empty
    - this needs to be documented! (Daniel). Not sure where the best place is.
- short term options:
    - patch in loader:
        1. look at all chunks and add corresponding overlap chunks
        2. look at overlap chunks and add missing empty chunk table
    - patch in partitioner: it could generate (empty) file for every empty chunk table and every empty overlap chunk table
    - decided to to the former. See DM-2058
- longer term, we need code that enforces data consistency. That code should also create special things like the 0123456789 chunks (which is now done in loader). Idea: we could have a manifest file that defines a set of rules. Deal with it as part of larger "consistency checking" epic, after W15. See DM-2065
- also, we need use case to test for missing empty overlap chunk tables and/or empty chunk tables. See DM-2066

DM-1841

- AndyH working on it already

DM-213

- lots of progress

DM-1675, DM-1145

- in progress, will wrap up this week
- Fritz is looking at spherical geom, so will review the DM-216 instead of AndyS

DM-202, DM-201

- will work on that next week

1674 (ingest)

- Serge doing urgent non-LSST work now
- relatively simple, good chance will be done before end of February

1570

- on track

XrdSsi

- add ticket: revisit memory ownership of xrdssi objects. See DM-2067