Database Meeting Notes 2014-05-08

Date

May 08, 2014

Attendees

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

Goals

- The whole meeting revolved around discussing the Qserv 2014_05 sprint: bwa

Discussion Items

AndyH

DM-220

- Daniel keep finding little things
- Andy pushed new changes/fixes over the weekend
  - not reviewed yet
- **-->** keep this issue open

AndyS

DM-613

- blocked by several issues:
  - ORDER BY, DISTINCT, different column names
  - **-->** Andy will open ticket about DISTINCT problem
  - **-->** mark the blockers in DM-613

DM-228

- - close it

DM-531

- consider converting all arguments to string
  - could be problematic for nulls
- **-->** Andy will push code to branch, Jacek will review

DM-546

- **-->** Daniel will review soon

Bill

- great progress with logging, most features requested by K-T, Robert, and Jim implemented

- A partial list of what is finished:

    - Refactored entire solution to achieve more simple design (e.g. removed a couple of ugly switch statements and the need to pass around function pointers).

    - Can retrieve a logger object in C++ layer for high-performance applications.

    - Formatting in python layer is now deferred until after threshold is met.

    - Programmatic control and querying of logging threshold in both C++ and Python layers.

    - Implemented context objects for both C++ and Python layers, which automate pushing/popping of names onto/off of the global context using constructors/destructors.   In Python, the context class can be used with the `with' statement or as a standalone

    - Re-worked the Python logging module ProtoLogHandler. Fixed bugs. Now more robust.

    - Implemented boost::format interface as Robert requested (a big change).

- Also investigated the introduction of new logging levels. This is more trouble than it's worth. It would significantly complicate the implementation, we can use multiple loggers to achieve anything that can be done with additional logging levels. See example on trac to illustrate this.

- To do

    - update the online documentation.

    - package protolog.

Daniel

- most time spent on finishing the XLDB 2013 report

- DM-633

- Daniel away tomorrow

Fabrice

- DM-612 is ready for review, AndyS reviewed,

    - **-->** Jacek will review very soon

Jacek

- @xldb-healthcare in NY Mon-Wed
- several cleanup type issues implemented/done

- DM-508 and 313 - Daniel will review soon

Serge

- not much time for qserv this past week

- have plan for refmatch

    - same logic as for spatial join

    - there is only one small special case: need to remove duplicates if we query just match tables

    - also need to tweak join code, it currently does not look at join conditions (needed elsewhere, not just for refmatch)

- refmatch related code = ~200 lines (guess)

- DM-626 - Jacek will try to look

    - code is related to bug with DISTINCT

Non-sprint topics

unit tests not triggered during build

- we used to have it prior to W14, disabled

- want to have it back

- need new code (we have new build system)

- **-->** open ticket, assign to AndyS

permanent location of how-to-run-qserv?

- want it to be always in sync with master
- **-->** keep in the code repo, in some common format, maybe markdown, and expose it on qserv page

- Daniel will look into it

Migrating Qserv trac pages to Confluence

- try doing it for Qserv pages (Jacek will try)

Dev meeting a.la. how we run the Dev meeting last week

- 4 hours, every week

- Wednesdays 12-4 pacific, replaces Qserv Thu meeting

Action Items

- ☑ Andy Hanushevsky keep DM-220 issue open
- ☑ Andy Salnikov will open ticket about DISTINCT problem and mark the blockers in DM-613;
- ☐ Andy Hanushevsky will push DM-531 code to branch
- ☑ Unknown User (danielw) will review DM-546 soon
- ☐ Unknown User (danielw) will review DM-508 and 313 soon
- ☑ Unknown User (bchick) update the online documentation;
- ☐ Unknown User (bchick) will package protolog.
- ☑ Jacek Becla will review DM-531
- ☑ Jacek Becla will review DM-612 very soon
- ☑ Jacek Becla will setup the new meeting on the DM Meetings calendar
- ☑ Jacek Becla - will review the **Non-Sprint** section and assign as necessary in this action Items list or otherrwise