

Database meeting 2023-02-01

Date

01 Feb 2023

Attendees

- Igor Gaponenko Andy Salnikov Fritz Mueller Colin Slater Joanne Bogart

Notes from the previous meeting

- [Database Meeting 2023-01-25](#)

Discussion items

Discussed	Item	Notes
✓	Project news	<p>Fritz Mueller:</p> <ul style="list-style-type: none">generator power at Summit due to power line maintenance from the "mainland" to Summitno major news from TCAM; everyone is getting ready for joined operations review (SLAC, end of February); A chance of Qserv demo (via notebooks)DP03 is gaining more attention on DMLT (it's now on the weekly agenda)⚠ DP03 won't be ingested into Qserv. This is the Solar System catalog. <p>Colin Slater :</p> <ul style="list-style-type: none">no formal requirements document yet for DP03 from GPDF <p>Fritz Mueller on the baseline ("aspirational") schema changes:</p> <ul style="list-style-type: none">the current version doesn't correspond to the pipeline realitymany view the schema from the pipeline perspective and find some aspects of the schema confusingit's useful for us (the DAX team) to have <i>some</i> reference documents even though they may not be fully compatible with the ongoing data model of the pipelineno schema browser exists yet for the "aspirational") schema <p>Colin Slater (to continue on the subject)</p> <ul style="list-style-type: none">the situation has changed significantly over the last 2 yearsbefore DP02 no tables were generated, and other tables looked differently; now the DP02 covers ~90% of the baseline schema; there will be differences in the number of columns, column names, and data types
✓	Recent problems with Qserv build / CI	<p>Fritz Mueller: reasons, solution, lessons?</p> <ul style="list-style-type: none">an attempt to build Qserv failed at the CI testfundamental reason:<ul style="list-style-type: none">we depend on the latest version of the Python packages(though) MariaDB and mysql-proxy versions are fixed after some earlier (last year) incidentchange in the Oracle MySQL connectorchange in MyPysuspected a problem in the multi-statement SQL execution (triggered by <code>smig</code>).a bug in the latest connector is suspectedor it could be a problem in our own code that might not behave correctlydocumentation build was broken for some packagessolution:<ul style="list-style-type: none">unrolled back a few packageslessons:<ul style="list-style-type: none"><i>pros</i> and <i>cons</i> for freezing packages vs following and using the latest and greatestAndy Salnikov: it's the same problem in ATLAS, where people rely on the latest versions of the software packagesIgor Gaponenko: set up another (parallel) CI thread to be run "on a timer" by pulling the latest and greatest packages

✓	Investigating worker lockups	<p>Fritz Mueller: Are we going to deploy and test the new Qserv release 2023.1.1-rc2 at IDF this week?</p> <p>Yes, it will be deployed and tested first at <code>qserv-int</code>. This may happen tomorrow.</p>
✓	Simplifying entry points	<p>Based on lessons learned from the last Qserv build / CI meltdown:</p> <ul style="list-style-type: none"> on many occasions using Python may not be justified
✓	Status of <code>qserv-operator</code> and <code>qserv-ingest</code>	<p>The latest version of both has been built. Fabrice's QA test has passed.</p> <p>Fritz Mueller and Fabrice Jammes will work on merging both packages into Qserv as the next project</p>

Action items

