

Database Meeting 2022-02-09

Date

09 Feb 2022

Attendees


- [Igor Gaponenko](#) [Fritz Mueller](#) [Fabrice Jammes](#) [Colin Slater](#) [Unknown User \(npease\)](#) [John Gates](#) [Andy Salnikov](#) [Andy Hanushevsky](#) [Joanne Bogart](#)

Goals

- Please, add topics if you have any!

Discussion items

Time	Item	Who	Notes
	Project news	Fritz Mueller	<p>Takeaways from the last DMLT meeting:</p> <ul style="list-style-type: none">• Operations meeting undergoing this week (Fritz Mueller will post a summary after it will be done)• No specific concerns regarding Qserv• More reviews of the project are coming this year• PCW in August, possibly in-person (still not decided if) <p>Fritz Mueller any comments "from the top" on the last SLAC memorandum regarding the modified hybrid work arrangements?</p>

<p>Progress on topics discussed at the previous meeting Database Meeting 2022-02-02</p>		<p>The "Grand unification" of the Git packages:</p> <ul style="list-style-type: none"> • <code>qserv_web</code> has been merged • removed <code>numpy</code> dependency • Any further steps? <ul style="list-style-type: none"> ◦ Fritz Mueller we shall move <code>qserv_operator</code> & <code>qserv_ingest</code> into <code>qserv</code> in coordination with Fabrice Jammes. This could be done by the end of this week or earlier next week. ◦ CI integration needs attention. ◦ Configuration of the operator could be improved using new mechanisms implemented in the <code>lite</code> containers. Could be based on the Git SHA. ◦ Fabrice Jammes need to commit to the operator code w/o triggering an automatic rebuild of the Qserv container. ◦ Unknown User (npease) will look for a solution to restrict the scope of the Qserv container build to specific subfolders. To trigger a complete build, we shall make the PR on the branch. ◦ Fritz Mueller a plan to integrate <code>qserv_operator</code> into <code>qserv</code> has been adopted! ◦ Fabrice Jammes we're going to retain the original Git package of <code>qserv_operator</code> for the history. ◦ Fritz Mueller integrating <code>qserv_testdata</code> into <code>qserv</code> has one problem: 184 MB versus 15 MB in <code>qserv</code> alone. Another option would be to make <code>qserv_testdata</code> the Git <i>submodule</i>. ◦ Fritz Mueller a plan to move <code>qserv_testdata</code> into <code>qserv</code> has been adopted. <p>Preparing the infrastructure for integrating Qserv documentation into the <code>lite</code> containers:</p> <ul style="list-style-type: none"> • Fritz Mueller on the status of the build container? <ul style="list-style-type: none"> ◦ the container is working and the documentation is building. ◦ still, some work is still needed. Fritz Mueller will make a PR for that this week. ◦ this will be of benefit for the <code>qserv_operator</code> after it would be merged into <code>qserv</code>. ◦ a nice thing about the new documentation building is that it's created as a collection of the HTML pages in the build directory which could be explored live if needed. • Fritz Mueller has prepared a proposal for the structure of the documentation in Straw-man skeleton for the Qserv documentation. <ul style="list-style-type: none"> ◦ Igor Gaponenko: automated injection of the Release Notes is required ◦ Fritz Mueller proposed to do this by following special messages in the Git commit notes. ◦ Igor Gaponenko would like to get a list of the relevant JIRA tickets ◦ Andy Salnikov has provided a great example of how this kind of documentation looks like on the "Land of the Buttlr": https://github.com/lst/daf_butler/blob/main/doc/lst.daf.butler/CHANGES.rst ◦ Everyone should look at the documentation to see if the proposed documentation structure and make comments • Igor Gaponenko asked if it would be possible to generate Doxygen-based documentation. <ul style="list-style-type: none"> ◦ Fritz Mueller will make a separate PR for that. <p>Getting ready to vacate NCSA:</p> <ul style="list-style-type: none"> • Igor Gaponenko made a request to archive files to the cold storage at NCSA <div data-bbox="607 1077 1386 1247" style="border: 1px solid orange; padding: 10px; margin: 10px 0;">  IHS-5897 - Jira project doesn't exist or you don't have permission to view it. </div> <ul style="list-style-type: none"> ◦ no progress on this has been made ◦ need to get ping NCSA on the latest status of the request <ul style="list-style-type: none"> • No specific plans for migrating these data to SLAC yet <p>DP0.2 preview ingests</p> <ul style="list-style-type: none"> • Igor Gaponenko have you had a chance to look into this yet? <ul style="list-style-type: none"> ◦ No progress yet. This will be the highest priority project for me. <p>Fabrice Jammes will work on integrating the ASYNC-based ingest into <code>qserv-ingest</code>.</p>
<p>Status and development of the <code>lite</code> container and the <code>entrypoint</code>-based configuration and management of Qserv</p>		<p>Fabrice Jammes reported good progress in migrating <code>qserv-operator</code> that uses <code>entrypoints</code>.</p> <p>Fritz Mueller: we may retain the startup scripts (<code>start.sh</code>), however, the scripts should be trivial. No complex logic.</p> <p>A discussion on the Kubernetes <code>init</code> containers:</p> <ul style="list-style-type: none"> • they are now also available in <code>docker-compose</code>: https://stackoverflow.com/questions/70322031/does-docker-compose-support-init-container • Fritz Mueller may already have a plan on implementing <i>modalities</i> in Qserv deployments, which also requires the <code>init</code> containers. The plan will be presented to the team later (next week?). <p>Fritz Mueller: we need to investigate the possibility of replacing <code>docker-compose</code> with <code>kind</code> and <code>minikube</code>.</p>

	<p>Shall we divert automated Git messages from the Slack channel #dm-qserv to some other channel?</p>	<p>The context:</p> <ul style="list-style-type: none"> • #dm-qserv is a public channel meant to interact with Qserv developers and the rest of the DM team on various aspects of the software (development, deployment, bugs, etc.). The channel is presently filled with automated messages sent by GitHub (and the CI) on new PRs created and merged. NOTE that these are presently only for the Git package qserv. The lifecycles of other packages (qserv-operator, qserv-ingest are still "invisible". • There is a proposal initiated by Kian-Tat Lim to move the automated messages into a separate channel. A link to a discussion can be found at https://lsstc.slack.com/archives/C2B70NXFD/p1643924617966479 <p>Questions:</p> <ul style="list-style-type: none"> • Shall we go for the separation, and if so then what should still be left in #dm-qserv? • What channel would be good for the GitHub messages? Shall we use an existing channel #dm-dax-builds? • What about other relevant Git packages that are still in the "stealth mode"? <p>Proposals after discussing the topic:</p> <ul style="list-style-type: none"> • Leave the channel as it is now. • Unknown User (npease) wants to see an automated message when a build of the <code>main</code> branch is failing. Send it to the team's room #dm-db-team?
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Action items

