

# Database Meeting 2015-12-09

## Date

09 Dec 2015

## Attendees

- [Serge Monkewitz](#), [Andy Salnikov](#), [Andy Hanushevsky](#), [Brian Van Klaveren](#), [Fritz Mueller](#), [Nate Pease](#), [Vaikunth Thukral](#), [John Gates](#), [Unknown User \(kelsey\)](#), [Jacek Becla](#)
- [Kian-Tat Lim](#) for shared scans discussions

## Discussion items

### Logging

- see description of [DM-4616](#) - Migrate Qserv code to stream-based logging DONE

### New crash observed

- kernel panic on workers, triggered by deadlock on czar. Worker code run in docker containers
- Looks like docker-related networking issue
- Rerun test on bare-metal without containers to confirm it is docker issue

### Profiling code

- things to consider / look at:
  - gprof (for cpu), problems with profiling shared library / have to do static builds, old fashioned
  - valgrind (for memory)
  - qprof
  - profiler written for CMS by Peter Elmer
  - oprofile
  - perftools
- Might be able to leverage xswap

### Shared scans

- planning to implement **simple** resource manager, plug it into existing shared scan code (written by Daniel / rewritten by John)
- AndyH will review John's existing code
- We want to send all queries for a given chunk to the same copy of that chunk (e.g., "primary")

- See [DM-4617](#) - Send all chunk-queries to primary copy of the chunk DONE

### Next Qserv meeting

- Due to slac-lsst holiday lunch next Wednesday, next week Qserv meeting rescheduled to Tuesday 12-3:30pm pacific