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Summary

Restarting consumers after temporary switch of m2-master CNAME caused ~20 minute outage of writing events to the database between 2014-11-13T00:59 -- 2014-11-13T01:21. (The data did not get lost, as the data is available in log files.)

Timeline

2014-11-13T00:34

Change `I463760` got merged and updated `m2-master` to point to `dbproxy1002` to test db proxying.

2014-11-13T00:59

EventLogging's `mysql-m2-master` consumer got restarted by hand to pick up the above dns change.
The consumer failed to connect to `m2-master` (which now pointed to `dbproxy1002`).
So from this time on, no EventLogging events could get written to the database.
(But the other consumers (like the plain log file writer) continued to work as expected.)

2014-11-13T01:19

The above dns change got reverted by change `I862947`.

2014-11-13T01:21

EventLogging's `mysql-m2-master` got restarted by hand to pick up the above dns change.
The consumer could again connect to `m2-master` (which now pointed to `db1020` again).
EventLogging events started to get written again to the database.

Conclusions

- The fact that EventLogging is writing data synchronously and not buffering up database writes (hence cannot handle database connection issues nicely) is not known visible enough throughout the foundation.
- Regardless of the testing done in labs, production firewalls get in the way.

Actionables

- Status: **Done** Make sure that log files exist for the affected period, so we can backfill.
  Logs exist (on `vanadium`), not yet on `stat1002`, or `stat1003` and look good.
- Status: **Done** Backfill the data.
- Status: **Done** Make sure `vanadium` can connect to `dbproxy1002` (RT8863).

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