

# MAM

## Job are being deferred because a connection cannot be made to the MAM database.

**Issue:** Job are being deferred because a connection cannot be made to the MAM database.

**Affected Versions:** 8.0.x

**Symptom:** When Moab tries to start a job it can not because MAM can not connect to the database even though the database is up and MAM has access.

Message[0] Failure registering job Start (12345) with accounting manager -- server rejected request with status code 730 - Failed obtaining database connection: DBI connect('dbname=gold;host=localhost','gold',...) failed: FATAL: remaining connection slots are reserved for non-replication superuser connections at /opt/mam/lib/Gold/[Database.pm](#) line 185.

Message[1] cannot modify job - cannot set job '[12345.pbserver.local](#)' attr 'comment:' to 'Failure registering job Start (12345) with accounting manager' (rc: 15018 'Request invalid for state of job MSG=invalid state for job - COMPLETE')

**Solution:** In this case MAM was making a lot of connections to the database. This is an issue with thread/connection count for MAM.

[https://wiki.postgresql.org/wiki/Introduction\\_to\\_VACUUM,\\_ANALYZE,\\_EXPLAIN,\\_and\\_COUNT#Using\\_ANALYZE\\_to\\_optimize\\_PostgreSQL\\_queries](https://wiki.postgresql.org/wiki/Introduction_to_VACUUM,_ANALYZE,_EXPLAIN,_and_COUNT#Using_ANALYZE_to_optimize_PostgreSQL_queries)

<http://www.postgresql.org/docs/9.1/static/routine-vacuuming.html>

You can also do a ANALYSE on the database and this should increase the speed.

You can also set [DELETEISBLOCKING](#) to improve responsiveness while deleting jobs.

Unique solution ID: #1016

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