

Connection is not available from pool

Last updated by | Dandan Zhang | Feb 18, 2021 at 3:21 PM PST

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Issue

Customer saw connection dropped with following error:

Failed to obtain JDBC Connection; nested exception is java.sql.SQLTransientConnectionException: HikariPool-1 - Connection is not available, request timed out after 30000ms. HikariPool-1 - Connection is not available, request timed out after 30000ms.

Investigation/Analysis

This error means connection isn't available from pooler, and JDBC is throwing this error. This explicitly indicates client side issue.

Investigate the gateway telemetry and confirm nothing is off / no anomaly except seeing gateway restart. The high level theory was that the hikari pooler after GW restart was not giving connections to the application, not realizing that the connections are already closed (something like zombie connections).

On service side, confirm the health by checking following:

- Connection patterns
- Restarts
- GW apps
- Crashes
- Node / VM health

Mitigation

Review client set up and I put a link below which is a doc on Hikari connection pooler configuration value. In this case here, we found customer was using the older version of hikari.

Public Doc Reference (optional)

[GitHub - brettwooldridge/HikariCP: 光 HikariCP · A solid, high-performance, JDBC connection pool at last.](#) 

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