

Hive issues

Session Time-Out while executing Hive query

1. Check Hive Service are up and Running

Click on Clusters -> Hive

Under status summary, Hive Metastore Server and Hive server2 status should be green.

1. Check Hive logs for timeout errors

Hive logs generally can be found under directory /var/log/hive directory. (log location is defined by parameter Hive Metastore Server Log Directory)

1. Check metastore database logs/connectivity for timeout errors

Check the Hive Metastore database type from configuration and check database logs for connectivity or timeout errors.

1. Check for Hive Parameters specific to timeouts

1. hive.server2.idle.session.timeout

Session will be closed when not accessed for this duration of time, in milliseconds; disable by setting to zero or a negative value.

e.g. the value of "86400000" indicate that the session will be timed out after 1 day of inactivity.

2. hive.server2.session.check.interval

The check interval for session/operation timeout, in milliseconds, which can be disabled by setting to zero or a negative value.

e.g. the value of "3600000" indicate that the session will be checked every 1 hour.

3. hive.server2.idle.operation.timeout

Operation will be closed when not accessed for this duration of time, in milliseconds; disable by setting to zero. For a positive value, checked for operations in terminal state only (FINISHED, CANCELED, CLOSED, ERROR). For a negative value, checked for all of the operations regardless of state.

e.g. the value of "7200000" indicate that the query/operation will be timed out after 2 hours if it is still running.

The recommended values are:

hive.server2.session.check.interval = 1 hour

hive.server2.idle.operation.timeout = 1 day

hive.server2.idle.session.timeout = 3 days