

Clickhouse, read timed out 错误

(此文档仅供参考)

问题描述:

在使用clickhouse的mpp进行大数据量地数据查询的时候, 经常会报出 Read timed out 的错误, 报错信息如下所示, 请教该如何解决?

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7&apos;,&apos;350501030&apos;,&apos;350583025&apos;,&apos;350601026&apos;,&apos;350721901&apos;,&apos;350723009&apos;,&apos;350822798&apos;,&apos;350823901&apos;,&apos;350823798&apos;,&apos;350901013&apos;,&apos;350921001&apos;,&apos;350923901&apos;,&apos;350981001&apos;)) and ( T2241.'SUMM_DATE' &gt;= toDate(&apos;2021-04-15&apos;) AND T2241.'L1_APP_TX_TYPE_DESC' = &apos;消费&apos; AND T2241.'MERCHANT_ID' = &apos;898350157221389&apos;)) T2240;ClickHouse exception, code: 159, host: 10.241.1.145, port: 8123;
Read timed out
    at smartbi.freequery.querydata.store.DBSQLResultStore.executeInDatabaseInner(DBSQLResultStore.java:1989)
    at ...(...)
    at smartbi.log.PreparedStatementWarp.executeQuery(PreparedStatementWarp.java:144)
Caused by: ru.yandex.clickhouse.except.ClickHouseException: ClickHouse exception, code: 159, host: 10.241.1.145, port: 8123; Read timed out
    at ru.yandex.clickhouse.except.ClickHouseExceptionSpecifier.getException(ClickHouseExceptionSpecifier.java:82)
    at ru.yandex.clickhouse.except.ClickHouseExceptionSpecifier.specify(ClickHouseExceptionSpecifier.java:55)
    at ru.yandex.clickhouse.except.ClickHouseExceptionSpecifier.specify(ClickHouseExceptionSpecifier.java:24)
    at ru.yandex.clickhouse.ClickHouseStatementImpl.getInputStream(ClickHouseStatementImpl.java:546)
    at ru.yandex.clickhouse.ClickHouseStatementImpl.executeQuery(ClickHouseStatementImpl.java:107)
    at ru.yandex.clickhouse.ClickHouseStatementImpl.executeQuery(ClickHouseStatementImpl.java:91)
    at ru.yandex.clickhouse.ClickHouseStatementImpl.executeQuery(ClickHouseStatementImpl.java:87)
    at ru.yandex.clickhouse.ClickHousePreparedStatementImpl.executeQuery(ClickHousePreparedStatementImpl.java:156)
    at org.apache.commons.dbcp.DelegatingPreparedStatement.executeQuery(DelegatingPreparedStatement.java:92)
    at org.apache.commons.dbcp.DelegatingPreparedStatement.executeQuery(DelegatingPreparedStatement.java:92)
    at smartbi.log.PreparedStatementWarp.executeQuery(PreparedStatementWarp.java:144)
    at smartbi.freequery.querydata.store.DBSQLResultStore.runSQL(DBSQLResultStore.java:5157)
    at smartbi.freequery.querydata.store.DBSQLResultStore.executeInDatabaseInner(DBSQLResultStore.java:1942)
    at smartbi.freequery.querydata.store.DBSQLResultStore.executeInDatabase(DBSQLResultStore.java:1837)
    at smartbi.freequery.querydata.store.DBSQLResultStore.ensureGridDataInMemDB(DBSQLResultStore.java:7181)
    at smartbi.freequery.querydata.store.DBSQLResultStore.getGridDataInternal(DBSQLResultStore.java:5979)
    at smartbi.freequery.querydata.store.SQLResultStore.getGridData(SQLResultStore.java:176)
    at smartbi.freequery.report.SimpleReportBO.getGridDataInternal(SimpleReportBO.java:1863)
    at smartbi.freequery.report.SimpleReportBO.getGridDataInternal(SimpleReportBO.java:1762)
    at smartbi.freequery.report.SimpleReportBO.getGridData(SimpleReportBO.java:1593)
    at smartbi.freequery.client.simplereport.ClientReportService.getReportDataInPage(ClientReportService.java:832)
    at smartbi.freequery.client.simplereport.ClientReportService.getReportDataWithFutureInPage(ClientReportService.java:932)
    at smartbi.freequery.client.simplereport.ClientReportService.getReportDataWithFutureInPage(ClientReportService.java:907)
    at smartbi.freequery.client.simplereport.ClientReportService.getReportDataWithFutureInPage(ClientReportService.java:893)
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解决方案:

该问题是由于数据量过大, 查询请求太久, 导致clickhouse连接超时, 建议在clickhouse连接字符串后面加上参数: ?socket_timeout=600000再验证, socket_timeout的单位是ms, 可以根据实际情况更改大小, 若按照以上方法更改后依然报错, 需结合日志等信息进一步分析判断。

注意事项:

对于数据源url的配置, 正常情况下, 拼接第一个参数用?, 后面的参数应使用&拼接, 即?aa=aa&bb=bb&cc=cc, 若拼接符号未写正确, 会导致该超时参数不生效。