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# ODBC Driver Assertion `stmt->Dbc->FirstStmt' Failed #7306

✓ Closed fuboa opened this issue on Jun 18 · 8 comments

Labels

bug SQL

Milestone

📅 Sep2022

fuboa commented on Jun 18

## Describe the bug

ODBC Driver assertion failed

## To Reproduce

command to start odbc client:

```
apt install unixodbc
# config MonetDB in $HOME/.odbc.ini
...
isql monetdb -v
```

Input the following statements:

```
SELECT avg(42) over (order by row_number() over ());
SELECT 1;
```

It will end up with an assertion failure:

```
+-----+
| Connected! |
| |
| sql-statement |
| help [tablename] |
| quit |
| |
+-----+
SQL> SELECT avg(42) over (order by row_number() over ())
```

```
[37000][MonetDB][ODBC Driver 11.44.0]unexpected end of file
[ISQL]ERROR: Could not SQLPrepare
SQL> SELECT 1
isql: /root/MonetDB/clients/odbc/driver/ODBCStmt.c:194: destroyODBCStmt: Assertion `stmt->Dbc->FirstStmt' failed.
fish: "isql monetdb -v" terminated by signal SIGABRT (Abort)
```

## Expected behavior

```
+-----+
| Connected! |
|           |
| sql-statement |
| help [tablename] |
| quit |
|           |
+-----+
SQL> SELECT avg(42) over (order by row_number() over ())
[37000][MonetDB][ODBC Driver 11.44.0]unexpected end of file
[ISQL]ERROR: Could not SQLPrepare
SQL> SELECT 1
+-----+
| %2 |
+-----+
| 1 |
+-----+
SQLRowCount returns 1
1 rows fetched
```

## Screenshots

If applicable, add screenshots to help explain your problem.

## Software versions

- ODBC Driver version number: MonetDB ODBC Driver 11.44.0
- OS and version: Ubuntu 20.04, UnixODBC 2.3.6
- - MonetDB Server version number (I think that the server version doesn't matter): MonetDB Database Server v11.43.13 (hg id: ce33b6b12cd6)

**\*\*Issue labeling\*\***

Make liberal use of the labels to characterise the issue topics. e.g. identify severity, version, etc..

  **sjoerdmullender** added **bug** **SQL** labels on Jun 20

**sjoerdmullender** commented on Jun 20

Member

This has nothing to do with the ODBC driver. Instead, this is a crash of the server during parsing/optimizing the first SELECT query.

**sjoerdmullender** commented on Jun 20

Member

Ok, perhaps I shouldn't be so strict. The ODBC driver should report the crash somehow and not itself also crash.

**PedroTadim** commented on Jun 20

Contributor

I see at `rel_order_by_column_exp`, there's a check missing if the 'r' relation is set. It should fix this issue,

**sjoerdmullender** commented on Jun 20

Member

If you add a check for `r` in the condition where it crashes (i.e. `if (r && ee->card > r->card)`) then it crashes somewhere else (in `exp_bin`).

**PedroTadim** commented on Jun 20

Contributor

Ok, then further debugging is needed :)

**sjoerdmullender** commented on Jun 20

Member

I fixed the ODBC part of the bug in the Jan2022 branch. This will be merged into the default branch.

 **monetdb-team** pushed a commit that referenced this issue on Jun 20



Fix destruction of new ODBC statement handle if initialization failed. ...

8c363ad



**Irpereira** closed this as completed on Jul 6

**PedroTadim** commented on Jul 6

Contributor

The window function was not yet fixed. I have a fix for it, but I didn't push it yet because of a setting issue. A new issue should be open for it.


 **Lrpereira** reopened this on Jul 6

  **njnes** added this to the **NEXTFEATURERELEASE** milestone on Aug 6

**njnes** commented on Aug 6


Contributor

Fix checked into the main branch.

 **njnes** closed this as completed on Aug 6

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 **monetdb-team** pushed a commit that referenced this issue on Aug 6

 handle single rows in rel\_order\_by\_column\_exp. ...

d189f93

 **monetdb-team** pushed a commit that referenced this issue on Aug 10

 Add test for issue [#7306](#)

9d50940

  **sjoerdmullender** modified the milestones: **NEXTFEATURERELEASE**, **Sep2022** on Sep 26

#### Assignees

No one assigned

#### Labels

bug SQL

#### Projects

None yet

#### Milestone

Sep2022

#### Development

No branches or pull requests

#### 5 participants

5 participants

