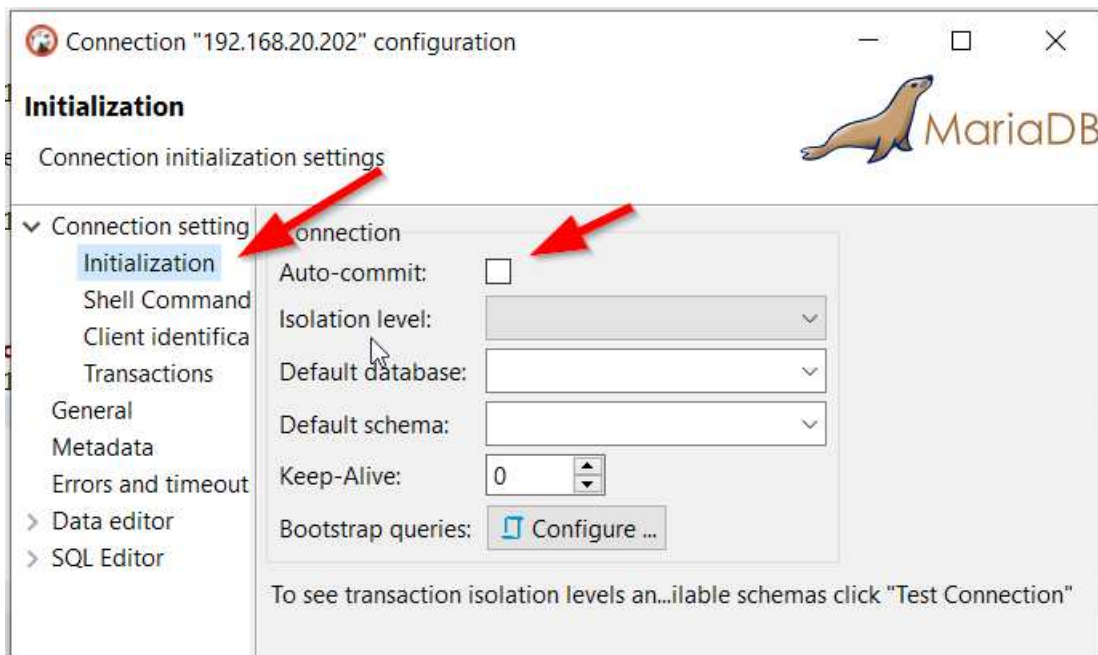
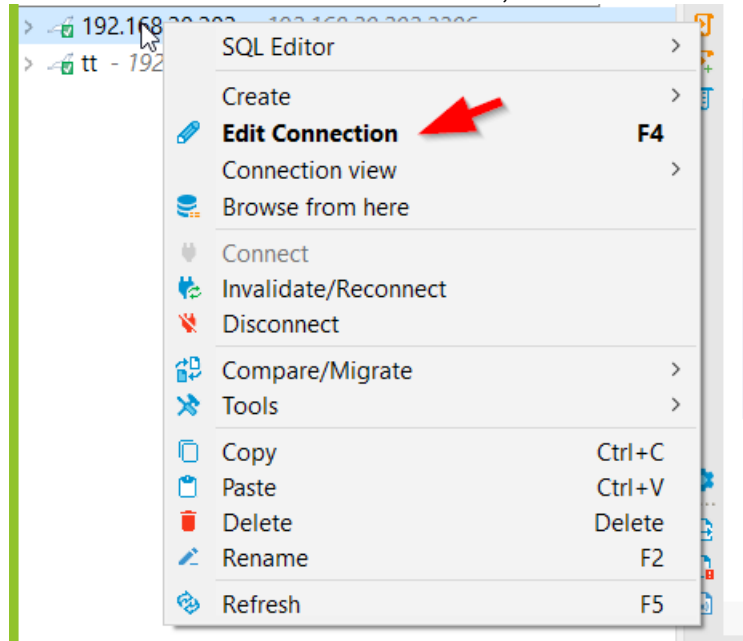


This issue with connector J is reported in MariaDB support ticket CS0390392.

Customer has created a ticket with Dbeaver. Both the customer and Dbeaver believe the issue is with connector J. The important screenshots of the Dbeaver ticket are at the bottom of this document.

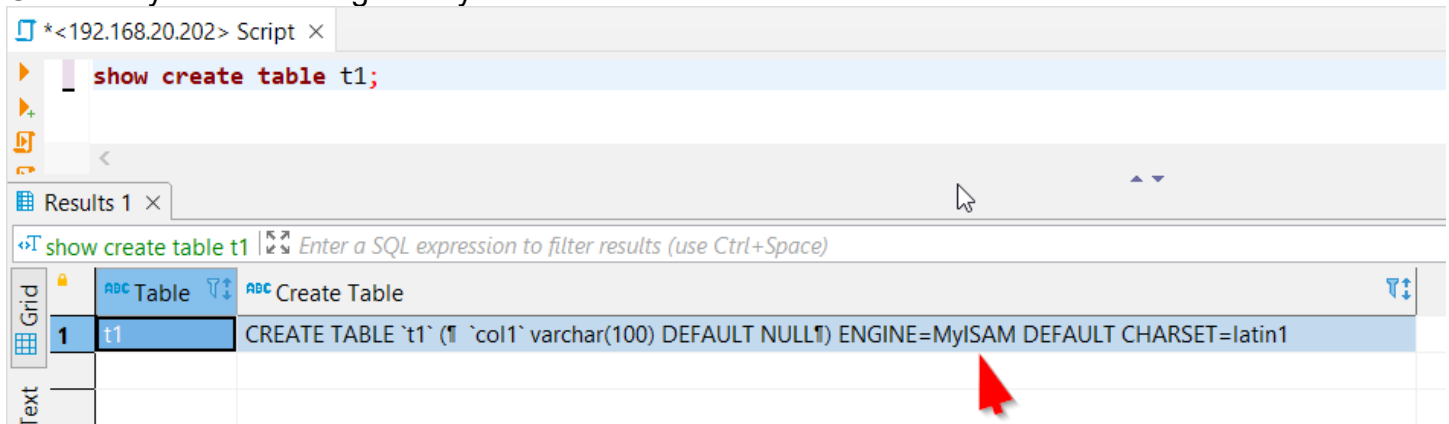
Reproducing the issue.

Connect to a MariaDB instance with auto-commit turned off, or edit the connection:

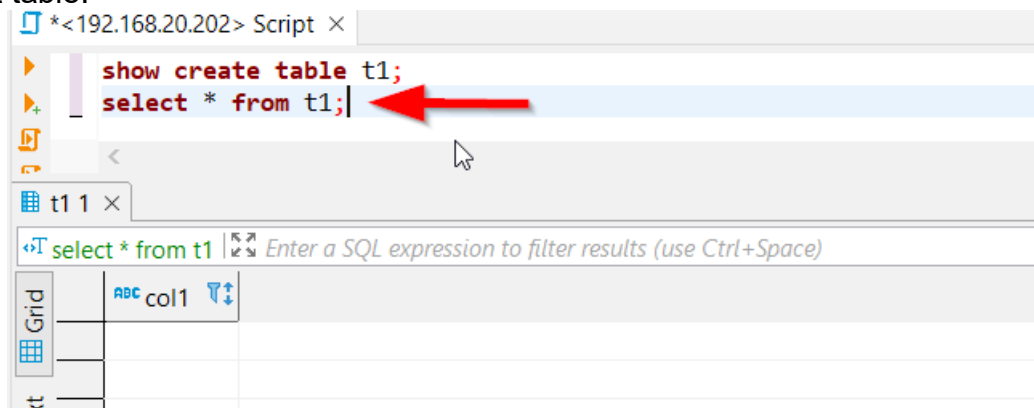


Reconnect to ensure Auto-commit is off.

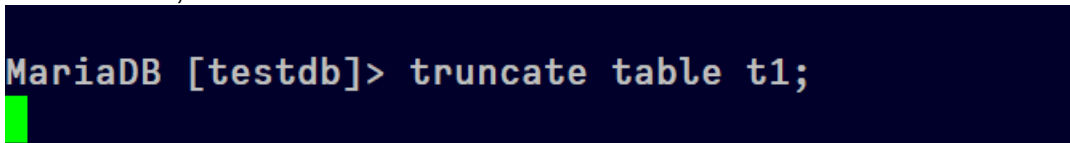
Create any table with engine=myisam.



Select on that table.



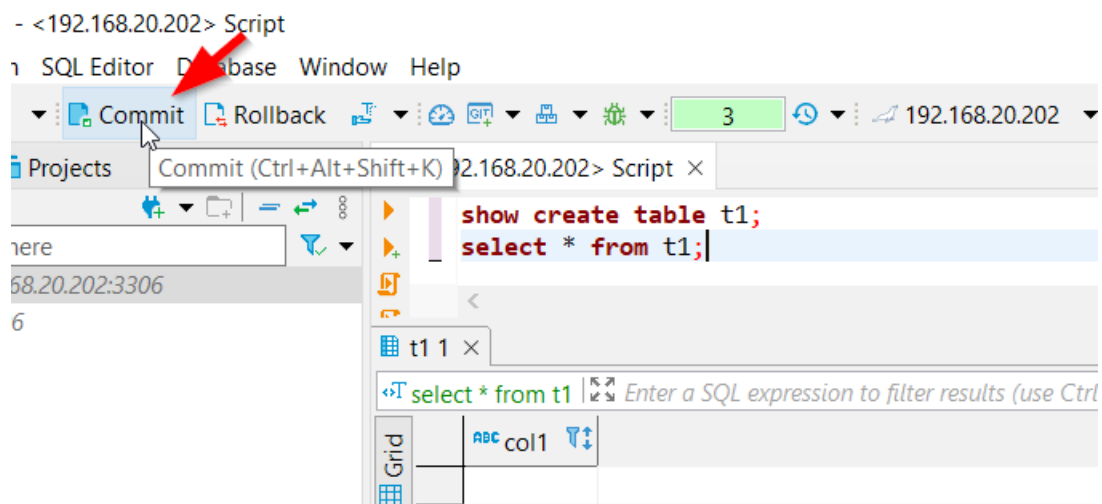
From a separate session, truncate the table.



Session locks up and waits for commit from session on Dbeaver.

Here is the problem related to Connector J 🤪

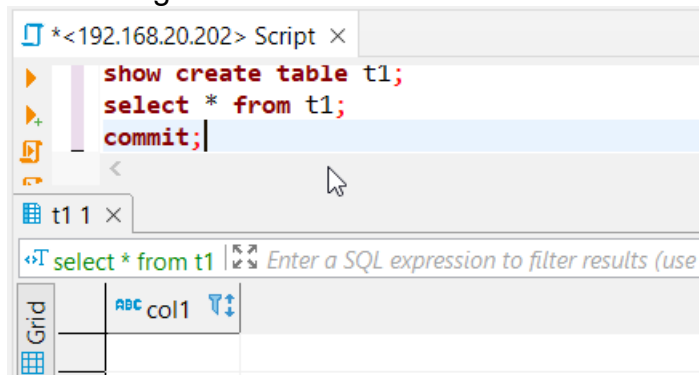
click the commit button.



The truncate session is still locked!

```
MariaDB [testdb]> truncate table t1;
```

Run a commit by typing it and running it instead of the button.



This releases the truncate session

```
MariaDB [testdb]> truncate table t1;  
Query OK, 0 rows affected (2 min 42.851 sec)  
  
MariaDB [testdb]>
```

Dbeaver support ticket, response from Dbeaver technical support:



Serge Rider

1 week ago

Hi Taylor,

Sorry for the late reply,
Nikita is on vacation till the end of week.

You are right, this is a real issue. MariaDB driver doesn't send COMMIT command if it thinks that it is not in a transaction. It is a MariaDB driver specific behavior. We know this for sure after examining source code of github.com/mariadb-corporation/mariadb-connector-j
Unfortunately we can't affect this behavior from DBeaver side.

What you can try is to use MySQL driver instead of MariaDB. These drivers use the same network protocol and most MariaDB features should work with MySQL driver.

I hope this will help you to resolve this issue.

Best regards



Taylor Davis

1 week ago

Serge,

I do not believe this is true as if you watch my video, sending an explicit COMMIT command via dbeaver works as expected. However clicking the "commit" button on the toolbar does not. We do query audit logging on our servers and I can verify with certainty that clicking the button in dbeaver results in no queries being run, but executing "COMMIT;" results in the command executing. The video shows a dbeaver window, a command line mariadb client, and a running tail of the server's query log. I explain verbally what I am doing during each step of the process to recreate the issue.



Nikita Akilov

18/03/2022 10:23

Taylor,

In the first case, the JDBC driver sends an SQL statement (<https://docs.oracle.com/en/java/javase/11/docs/api/java.sql/java/sql/Statement.html>) which works as expected. However, the button from the second case calls the `Connection.commit()` method ([https://docs.oracle.com/en/java/javase/11/docs/api/java.sql/java/sql/Connection.html#commit\(\)](https://docs.oracle.com/en/java/javase/11/docs/api/java.sql/java/sql/Connection.html#commit())). Serge talks about the issue in that particular method of MariaDB driver.

Best Regards,
Nikita Akilov
Technical Support Specialist



Taylor Davis

2 days ago

Ah, ok. That makes much more sense. I will file a bug with Mariadb then. It looks like Dbeaver 22 shipped with mariadb-connector-j version 2.7.1 and the current version is 3.0.4, but theres no release notes I can find where that behavior for `Connection.commit()` was changed in-between.

I will let you know what they say. When they have a test build who should they contact on your end?



Nikita Akilov

1 day ago

Taylor,

I think the best option for them is to file a feature request on our public issue tracker for DBeaver CE:
<https://github.com/dbeaver/dbeaver>.

Best Regards,
Nikita Akilov
Technical Support Specialist