

Quassel IRC - Bug #1891

quasselcore: migration sqlite > postgresql failed

08/30/2024 12:33 AM - iconoclasthero

Status:	New	Start date:	08/30/2024
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Quassel Core	Estimated time:	0.00 hour
Target version:	Some future release		
Version:	0.14.0	OS:	Linux

**Description**

I've got it running without the migration. I spent quite a bit of time on it and the errors I'm seeing tend to make me think that they're related to a compatibility issue with the version of postgresql and the script because they appear [to me] to be sql syntax errors.

```
$ quasselcore --version; psql --version; neofetch --fastfetch=off
quassel v0.15-pre (unknown revision)
psql (PostgreSQL) 16.4 (Ubuntu 16.4-1)
```

Rhino Linux rolling release based on  
OS: Rhino Linux 2024.2~RC (server) x86\_64  
Host: Gigabyte Technology Co., Ltd. Z77X-UD3H  
Kernel: Linux 6.10.4-061004-generic  
Uptime: 1d 2h 3m  
Shell: bash 5.2.32

This is what the errors look like when I captured them at the start of trying to fix it and while I would not swear in the name of the Flying Spaghetti Monster that the errors were exactly the same the second snippet I was able to find [2xbelow] sure looks mostly alike... just hours later

```
$ quasselcore --configdir=/var/lib/quassel --select-backend=PostgreSQL
2024-08-29 11:42:41 [Warn ] SslServer: Failed to
  open certificate file /var/lib/quassel/quasselCert.pem error: 5
2024-08-29 11:42:41 [Warn ] SslServer: Unable to set certificate file
  Quassel Core will still work, but cannot provide SSL for client connections.
  Please see https://quassel-irc.org/faq/cert to learn how to enable SSL support.
2024-08-29 11:42:41 [Warn ] SslServer: Failed to
  open certificate file /var/lib/quassel/quasselCert.pem error: 5
2024-08-29 11:42:41 [Warn ] No storage backend selected!
Default values are in brackets
Username [quassel]:
Password []:
Hostname [localhost]:
Port [5432]:
Database [quassel]:
2024-08-29 11:42:47 [Error] unhandled Error in QSqlQuery!
2024-08-29 11:42:47 [Error] last Query:
  SELECT value FROM coreinfo WHERE key = 'schemaversion'
2024-08-29 11:42:47 [Error] executed Query:
  SELECT value FROM coreinfo WHERE key = 'schemaversion'
2024-08-29 11:42:47 [Error] bound Values:
2024-08-29 11:42:47 [Error] Error Code: 42601
2024-08-29 11:42:47 [Error] Error Message: ERROR: syntax error at end of input
LINE 1: EXECUTE
          ^
(42601) QPSQL: Unable to create query
2024-08-29 11:42:47 [Error] Driver Message: QPSQL: Unable to create query
2024-08-29 11:42:47 [Error] DB Message: ERROR: syntax error at end of input
LINE 1: EXECUTE
          ^
(42601)
2024-08-29 11:42:47 [Error] unhandled Error in QSqlQuery!
2024-08-29 11:42:47 [Error] last Query:
```

```

SELECT MAX(version) FROM coreinfo
2024-08-29 11:42:47 [Error]          executed Query:
SELECT MAX(version) FROM coreinfo
2024-08-29 11:42:47 [Error]          bound Values:
2024-08-29 11:42:47 [Error]          Error Code: 42601
2024-08-29 11:42:47 [Error]          Error Message: ERROR:  syntax error at end of input
LINE 1: EXECUTE
          ^
(42601) QPSQL: Unable to create query
2024-08-29 11:42:47 [Error]          Driver Message: QPSQL: Unable to create query
2024-08-29 11:42:47 [Error]          DB Message: ERROR:  syntax error at end of input
LINE 1: EXECUTE
          ^
(42601)
2024-08-29 11:42:47 [Error] Storage Schema is missing!
2024-08-29 11:42:47 [Info ] PostgreSQL storage backend is ready. Schema version: 31
2024-08-29 11:42:47 [Error] Could not save backend settings, probably a permission problem.
2024-08-29 11:42:47 [Warn ] Switched storage backend to: PostgreSQL
2024-08-29 11:42:47 [Warn ] No currently active storage backend. Skipping migration...
2024-08-29 11:42:47 [Warn ] New storage backend does not support migration: PostgreSQL
Add a new user:
Username: ...
:

024-08-29 14:38:57 [Error] unhandled Error in QSqlQuery!
2024-08-29 14:38:57 [Error]          last Query:
SELECT value FROM coreinfo WHERE key = 'schemaversion'
2024-08-29 14:38:57 [Error]          executed Query:
SELECT value FROM coreinfo WHERE key = 'schemaversion'
2024-08-29 14:38:57 [Error]          bound Values:
2024-08-29 14:38:57 [Error]          Error Code: 42601
2024-08-29 14:38:57 [Error]          Error Message: ERROR:  syntax error at end of input
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2024-08-29 14:38:57 [Error]          Driver Message: QPSQL: Unable to create query
2024-08-29 14:38:57 [Error]          DB Message: ERROR:  syntax error at end of input
LINE 1: EXECUTE
          ^
(42601)

```

## History

### #1 - 11/05/2024 09:49 PM - iconoclasthero

I don't remember where I left off with this.  
As of now, it seems that quasselcore is storing data in the postgresql table I created since the last modificaiton of that table was moments ago.

I have not been able to convert the old messages I had in the sqlite table to postgresql and I've largely given up on that [for now], however I'd eventually like to migrate to that.