

Quassel IRC - Bug #1436

Postgresql schema 19 migration with an empty channel buffer crashes core.

05/24/2017 04:05 AM - ephemeroI

Status:	New	Start date:	05/24/2017
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Version:	0.12.4	OS:	Linux
Description			
<p>I had to dig to figure this out, and with the help of romibi and digitalcircuit it was overcome. I was running git builds and went to restart my core after an update. The core would not come online. I had to 'su - quassel -s /bin/bash' and launch the core manually and look for output, as nothing was being put in the logs. After seeing the following:</p> <pre>\$quasselcore -c . ("QSQLITE", "QMYSQL", "QMYSQL3", "QPSQL", "QPSQL7") Installed Schema (version 19) is not up to date. Upgrading to version 21... unhandled Error in QSqlQuery! last Query: ALTER TABLE buffer ADD COLUMN lastmsgid integer NOT NULL DEFAULT 0 executed Query: bound Values: Error Number: 42701 Error Message: ERROR: column "lastmsgid" of relation "buffer" already exists (42701) QPSQL: Unable to create query Driver Message: QPSQL: Unable to create query DB Message: ERROR: column "lastmsgid" of relation "buffer" already exists (42701) Unable to upgrade Logging Backend! Upgrade failed... FATAL: Selected storage backend is not available: "PostgreSQL"</pre> <p>With help we determined via logging into postgresql, selecting the quassel database, and running 'ALTER TABLE buffer RENAME COLUMN lastmsgid TO lastmsgidbackup;' was able to over come that error that lead to discovering:</p> <pre>("QSQLITE", "QMYSQL", "QMYSQL3", "QPSQL", "QPSQL7") Installed Schema (version 19) is not up to date. Upgrading to version 21... unhandled Error in QSqlQuery! last Query: SELECT populate_lastmsgid() executed Query: bound Values: Error Number: 23502 Error Message: ERROR: null value in column "lastmsgid" violates not-null constrain t DETAIL: Failing row contains (43, 1, null, 3, #channel, #channel, 2, 131231814, 86047596, null, t , 0, null). CONTEXT: SQL statement "UPDATE buffer SET lastmsgid = (SELECT backlog.messageid FROM backlog WHERE backlog.bufferid = i.bufferid ORDER BY messageid DESC LIMIT 1) WHERE buffer.bufferid = i.bufferid" PL/pgSQL function populate_lastmsgid() line 7 at SQL statement (23502) QPSQL: Unable to create query Driver Message: QPSQL: Unable to create query</pre>			

```
DB Message: ERROR: null value in column "lastmsgid" violates not-null constrain
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DETAIL: Failing row contains (43, 1, null, 3, #channel, #channel, 2, 131231814, 86047596, null, t
, 0, null).
CONTEXT: SQL statement "UPDATE buffer
        SET lastmsgid = (
            SELECT backlog.messageid
            FROM backlog
            WHERE backlog.bufferid = i.bufferid
            ORDER BY messageid DESC LIMIT 1
        )
        WHERE buffer.bufferid = i.bufferid"
PL/pgSQL function populate_lastmsgid() line 7 at SQL statement
(23502)
Unable to upgrade Logging Backend!
Upgrade failed...
FATAL: Selected storage backend is not available: "PostgreSQL"
```

In the above the buffer number 43 was found to be empty with the query 'SELECT backlog.messageid FROM backlog WHERE backlog.bufferid = 43;'

It was solved by running 'INSERT INTO backlog (time, bufferid, type, flags, senderid, message) SELECT time, 43, type, flags, senderid, message FROM backlog ORDER BY messageid DESC LIMIT 1 RETURNING messageid;'

If you encounter this, adapt as necessary by changing the buffer group number to overcome the issues and upgrade.

Thanks all!

Be well.