

## Quassel IRC - Bug #38

### Use transactions within SqliteStorage backend

05/30/2007 01:06 AM - Sputnik

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	EgS	<b>% Done:</b>	0%
<b>Category:</b>	Quassel Core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.2.0-alpha1	<b>OS:</b>	Any
<b>Version:</b>	0.13.1		
<b>Description</b>			
<p>At the moment, the SqliteStorage backend does not support transactions. Unfortunately, adding <code>logDb.transaction()</code> at the necessary places does not help. The problem is, that prepared statements (probably SELECT statements only) seem to stay active until they are cleared/deleted. And Sqlite cannot commit while active statements exist.</p> <p>So if we don't find a better way, we will probably have to get rid of prepared statements.</p>			

#### History

##### #1 - 06/06/2007 02:16 PM - EgS

Actually we just got rid of the transactions. :)

In Sqlite Transactions are only helpful to execute multiple statements as one atomic transaction. This is helpful in 2 cases:

- 1.) while a previous insert/update/delete was successful a succeeding statement might fail. In this case a rollback is quite handsome. The maximum depth used in our database is about 3 which can easily be managed manually.
- 2.) concurrent access. Since the backend itself is singlethreaded and multiclient access to the sqlite database itself is not allowed this does not concern us.

Preparedstatements allows a speedup when executing the same statement multiple times. Since this is a chatclient we might have a lot of incoming data and thus lots of inserts. Therefore transactions have been removed.