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Subject: transactions and sql

Posted by [mtdew3q](#) on Fri, 06 Aug 2010 23:20:56 GMT

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hi-

I'd like to use Firebird. I saw where that is probably possible with oledb. I think as long as there is a session I can do similar things to Postgres, MySql, etc.

My question is before proceeding is how do people handle transactions? In the manual tutorials and docs I didn't see any mention of it and I thought that it was strange as they were client/server db. If someone could tell me if it was available and in general where to look for tips that would be cool.

I can't get over how much easier the tutorials for this looked than IBPP. I noticed people mentioned the use of that for Firebird and that is the reason I am wondering. With IBPP you would might specify things like wait/no wait, snapshot (concurrency), write transaction and wrap the db code in a transaction. Or you could use something like read committed, no wait, read transaction if it was a select statement. Those are from memory. I hope the logic is ok.

I am going to try this new keyboard at home at work. I think it is the microsoft 4000. I hope IT looks the other way when I install it. I will ask the tech if he can not see me install it, so I dont have to cut through red tape to get my new keyboard.

have a very cool weekend -

Thanks,  
3rdshiftcoder

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Subject: Re: transactions and sql

Posted by [mtdew3q](#) on Fri, 06 Aug 2010 23:25:19 GMT

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oops --- the read tape comment was backwards

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Subject: Re: transactions and sql

Posted by [mtdew3q](#) on Sat, 07 Aug 2010 00:16:42 GMT

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I see now where transactions may be possible. I went searching through the header files after adding that package. I will experiment with it.

thanks

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Subject: Re: transactions and sql  
Posted by [mtdew3q](#) on Sat, 07 Aug 2010 01:03:23 GMT  
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Hi-

I guess there must be some default set up like in Firebird there is a default transaction context for locking a record. If you want more fine grained control over some locking, I think you'd have to use IBPP and do it outside the Sql built-in framework context. Is that right? I read over the notes that compiled or prepared statements were fast and appreciate those comments. I was a little puzzled by the sequence of Firebird using the prepared statements. Something like clear cache rollback transaction execute dml and commit. I will just roll with it for now and see what happens. If I have this stuff pegged, what a cool set up that I can use this fancy dancy Sql framework with Firebird for my hobby mixed in with a little IBPP.

Have a cool day-  
3rdshiftcoder

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Subject: Re: transactions and sql  
Posted by [mtdew3q](#) on Sun, 08 Aug 2010 06:12:27 GMT  
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Hi-

I finally figured out what this post was talking about.

The one person was actually doing ddl stuff and the moderator got confused possibly thinking it was dml and so did I until i read it closer but it is a good tip to see how the ddl worked with firebird anyways.

I examined this a lot closer tonight and I do think it is definitely possible to mix U++ framework and IBPP. I was worried about transactions but I think the default read/write wait and snapshot/concurrency must be used for Firebird and any other transaction context can go through IBPP.

I don't think it would be hard to mix them because it looked to me that `sql[0]` which is `Value Sql::operator[](int i) const {`  
`Value v;`  
`cn->GetColumn(i, v);`  
`return v;`  
`}`

ends up when fetching data returning a value that i believe is output as a string according to this:

so that would make it easy to get data from U++ sql and use it in IBPP if I had to. i could also write stuff now that i know the probable access mode is read/write.

i don't think i have to worry about switching to zeos db controls anymore. this looks like it is very cool. i hope my brain cooperated with me on this one.

thanks,  
Jim

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Subject: Re: transactions and sql  
Posted by [mtdew3q](#) on Sun, 08 Aug 2010 06:18:25 GMT  
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<snip>

I am really sorry about the extra post. My link button didnt work. I included the url in text below. I will have to see if there is an option in my account to fix the hyperlink button for the forum.

"I finally figured out what this post was talking about.

<http://www.ultimatepp.org/forum/index.php?t=msg&th=4119&start=0&>  
"

AND

"ends up when fetching data returning a value that i believe is output as a string according to this:

[http://www.ultimatepp.org/src\\$Sql\\$SqlRaw\\$en-us.html](http://www.ultimatepp.org/src$Sql$SqlRaw$en-us.html)  
"

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Subject: Re: transactions and sql  
Posted by [mirek](#) on Fri, 13 Aug 2010 09:06:22 GMT  
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[quote title=mtdew3q wrote on Fri, 06 August 2010 19:20]hi-

I'd like to use Firebird. I saw where that is probably possible with oledb. I think as long as there is a session I can do similar things to Postgres, MySql, etc.

My question is before proceeding is how do people handle transactions?

SqlSession::Begin()  
SqlSession::Commit() / SqlSession::Rollback()

As single main database session is usually represented as 'SQL':

SQL.Begin()  
SQL.Commit() / SQL.Rollback()

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