

Database - Bug #5452

eliminate use of ResultSet.CONCUR_UPDATABLE?

06/15/2021 12:00 PM - Eric Faulhaber

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Ștefan Roman	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:	GCD		
Description			

History

#1 - 06/15/2021 12:07 PM - Eric Faulhaber

Ovidiu, while debugging a few days ago, I came across this in SQLQuery.scroll(Session, int, boolean, List<RowStructure>):

```
int readOnlyMode = readOnly ? ResultSet.CONCUR_READ_ONLY : ResultSet.CONCUR_UPDATABLE;
```

I know we carried the readOnly parameter over from the pre-4011 implementation, but this rarely will be set to true, so we almost always will use CONCUR_UPDATABLE. AFAIK, we never update records directly from a ResultSet using the updateXXXX methods, so I think we can drop the readOnly parameter altogether and always make result sets CONCUR_READ_ONLY.

I don't know if there's any practical performance benefit to this change, but it seems like it can't make it worse.

What do you think?

#2 - 06/15/2021 07:05 PM - Ovidiu Maxiniuc

You are right. Since we always fetch the data from the ResultSet s and use it to hydrate our own Record s there is no point in having the ResultSet s updatable.

Also, I see that DatabaseManager.readOnly is not populated any more so DatabaseManager.isReadOnly() which is used to set the readOnly parameter is always returning false.

#3 - 05/02/2023 07:37 AM - Alexandru Lungu

- Assignee set to Ștefan Roman

#4 - 05/05/2023 05:50 AM - Alexandru Lungu

Created 5452a from trunk/rev. 14560.

#5 - 05/05/2023 06:39 AM - Ștefan Roman

- % Done changed from 0 to 50
- Status changed from New to WIP

#6 - 05/05/2023 09:31 AM - Ștefan Roman

- % Done changed from 50 to 100
- Status changed from WIP to Review

Removed readOnly flag from SQLQuery, checked with HotelGUI and everything works fine.
Committed to 5452a revision 14561.

#7 - 05/08/2023 03:22 AM - Alexandru Lungu

- % Done changed from 100 to 50
- Status changed from Review to WIP

I am OK with the current changes.

However, you still need to extend your removal of readOnly. More exactly, there is still a Query.readOnly member we no longer use, as the support for custom ResultSet read-mode is removed.
For that matter, remove Query.setReadOnly. This will require changes in Persistence.getQuery (readOnly flag) and DefaultDirtyShareManager.list (readOnly flag). These will cause changes in other files as well.

#8 - 05/10/2023 05:42 AM - Ștefan Roman

- Status changed from WIP to Review
- % Done changed from 50 to 100

Removed readOnly flag and fixed persistence.list() and getQuery() new signatures, checked with a large project and it works normally.
Committed to 5452a revision 14562.

#9 - 08/22/2023 07:28 AM - Alexandru Lungu

I am OK with the changes.
I also committed 5452a rev. 14563 removing readOnly from share manager and multiplexer classes.

I am rebasing now and going to merge in trunk.

#10 - 08/22/2023 07:50 AM - Alexandru Lungu

- Status changed from Review to Test

Branch 5452a was merged to trunk as rev 14704 and archived.

This can be closed.

#11 - 08/22/2023 09:32 AM - Greg Shah

- Status changed from Test to Closed