

Wt - Feature #6377

Wt::Dbo::createTables if table already exists

05/19/2018 01:58 PM - Emeric Poupon

Status:	Feedback	Start date:	05/19/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Hello,			
I think it may be safer to use "CREATE TABLE IF NOT EXISTS" when calling Wt::Dbo::Session::createTables().			
Or maybe add a boolean for this?			
It would be easier to automatically add the new tables in the schema.			
What do you think?			

History

#1 - 05/22/2018 11:08 AM - Wim Dumon

- Status changed from New to Feedback

Hey Emeric,

Wt::Dbo doesn't support DB migration, and our strategy to cope with that is quite naive: try to create the schema and throw an exception if it fails.

createTables() throwing exceptions in its 'normal' use case (i.e. the database exists and is correct) is a bit weird, and atypical for how Wt handles exceptions. There's no portable syntax that I know of to test if a table exists before creating it, and also 'create tables if not exist' is not portable across sql servers. Ideally, I think createTables should do nothing if the database is not completely empty, but again I'm not sure if we can easily test for that.

With respect to adding new tables: Session has a method tableCreationSql(). You could e.g. save the output of this call to a file on startup, so that you can copy-paste the relevant fragments to the database. More often than not, DB migration will involve more than only the creation of a new table, so manual intervention will be required.

Best regards,

Wim.