Subject: Some queries return incorrect datatypes with SqLite
Posted by Alboni on Thu, 03 Dec 2020 17:56:28 GMT
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Hello, I see some issue with SqLite3 lately that didn't exist before.

They have to do with the datatype of the results of a query.

issue 1 : SqlMax(some time column) returns WSTRING_V result instead of TIME_V
issue 2 : Selecting a BOOL column also returns WSTRING_V result instead of BOOL_V

again, it only applies to SqLite, on MySql it works correctly

I enclosed an example

File Attachments
1) SqLiteIssues.zip, downloaded 352 times

Subject: Re: Some queries return incorrect datatypes with SqLite
Posted by mirek on Fri, 11 Dec 2020 13:55:28 GMT
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Alboni wrote on Thu, 03 December 2020 18:56Hello, I see some issue with SqLite3 lately that didn't exist before.

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BOOL behaviour is as expected (BOOL in .sch is always emulated by text column to be consistent across all DBs).

With SqlMax it seems we are simply out of luck:

https://www.sqlite.org/c3ref/column_decltype.html

Impossible to do better there I am afraid

Mirek

Subject: Re: Some queries return incorrect datatypes with SqLite
Posted by Alboni on Fri, 11 Dec 2020 14:17:23 GMT
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But regardless of implementation, with Mysql an assignment to a bool variable goes right.

I have no issue discontinuing BOOL_ and using INT_ instead if it is too tricky or not worth it to fix.

Subject: Re: Some queries return incorrect datatypes with SqLite
Posted by mirek on Fri, 11 Dec 2020 14:42:19 GMT
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Well, that is rather nasty inconsistence with MySql.... Sorry, long time ago MySql was contributed package and I missed this one. Cannot fix that now without breaking existing code

That said, maybe we could introduce a new schema type, e.g. "LOGICAL" that maps to bool and uses database 'bool' where possible and smallest number where not possible?

Mirek

Subject: Re: Some queries return incorrect datatypes with SqLite
Posted by Alboni on Fri, 11 Dec 2020 15:43:31 GMT
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ok. Thanks.
I'll use int for now.