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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 219 times

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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.

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

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again, it only applies to SQLite, on MySQL it works correctly

I enclosed an example

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](https://www.sqlite.org/c3ref/column_decltype.html)

Impossible to do better there I am afraid :(

Mirek

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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.

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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 inconsistency 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

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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.

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