Subject: Automatic Upgrade MySQL schema
Posted by sergeynikitin on Fri, 28 Sep 2012 02:48:01 GMT
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I discover,that MySQL automatic schema upgrade is not work normally on Mysql server ver 5.5.

I propose this change to Package Sql, file SqlSchema.cpp
(added Rows 25-28)

```
if(dialect == MSSQL) {
 Upgrade() << Expand("alter table @t add ") << cn << ";\n";
 Upgrade() << Expand("alter table @t alter column ") << cd << ";\n";
}
else if(dialect == MY_SQL)       //Added
 Upgrade() << Expand("alter table @t add ") << cn << ";\n"; //Added
 Upgrade() << Expand("alter table @t modify ") << cd << ";\n"; //Added
}        //Added

else if (dialect == SQLITE3)
 Upgrade() << Expand("alter table @t add ") << cd << ";\n";
```

Subject: Re: Automatic Upgrade MySQL schema
Posted by mirek on Tue, 02 Oct 2012 06:00:20 GMT
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A according to

http://dev.mysql.com/doc/refman/5.5/en/alter-table-examples. html

it looks like "modify" line is not really necessary, the only problem is that the 'generic' code (originally meant for Oracle) adds parenthesis around the column, is that correct?

For now, I will just merge it with Sqlite3... Please check whether it has helped.

Mirek

Subject: Re: Automatic Upgrade MySQL schema
Posted by sergeynikitin on Tue, 02 Oct 2012 10:25:20 GMT
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This link say, that ALTER COMMAND will have format:

ALTER TABLE t2 MODIFY a TINYINT NOT NULL, CHANGE b c CHAR(20);

There is nothing to say that instead of CHANGE (or MODIFY), you can leave just ADD.

pls comment.

PS
In any case, after the addition of the patch on the server MySQL 5.5 all start working.

Subject: Re: Automatic Upgrade MySQL schema
Posted by mirek on Tue, 02 Oct 2012 10:40:44 GMT
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Upgrade schema, in its current state, is not meant to change column types (which is sort of unusual operation anyway and not all DBs support it easily in all cases), but only to add new columns.

That way, I believe this part of examples is relevant:

Quote:
To add a new TIMESTAMP column named d:

ALTER TABLE t2 ADD d TIMESTAMP;

Mirke

Subject: Re: Automatic Upgrade MySQL schema
Posted by sergeynikitin on Tue, 02 Oct 2012 10:56:37 GMT
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But with this path We can modify column types.

What way to do this optionally (very need)?

Subject: Re: Automatic Upgrade MySQL schema
Posted by mirek on Tue, 02 Oct 2012 12:21:44 GMT
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Ok, I see. I just wanted to preserve uniform behavior for all DBs.

OTOH, it is true that this is extension, so why not. Patch applied.

mirek

Subject: Re: Automatic Upgrade MySQL schema
Posted by sergeynikitin on Wed, 03 Oct 2012 08:35:18 GMT
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May be changing the type of the type column is not so much the undesirable effect and it can allow for other databases?

Subject: Re: Automatic Upgrade MySQL schema
Posted by mirek on Wed, 03 Oct 2012 10:41:35 GMT
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sergeynikitin wrote on Wed, 03 October 2012 04:35May be changing the type of the type column is not so much the undesirable effect and it can allow for other databases?

If only all of them supported this feature...