
Subject: Sql column Ids now escaped

Posted by [mirek](#) on Sat, 04 Feb 2012 14:24:52 GMT

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SqlId column names are now escaped when inserted to SqlExp and when they actually do contain valid sql IDs (or valid of/as combinations). This is to support things like

```
Select(SqlId("FROM")).From(TABLE)
```

...

Note that this changes a way how SqlId::Of and SqlId::As are represented inside SqlId (some special <32 character is inserted instead of '.' for Of, for As there were special characters before, just other). Other than that, SqlId::ToString still returns unescaped id and should be backwards compatible.

MySQL is by default using '' instead of " to do escapes, this is supported.

If SqlId does not contain valid sql id, it is not escaped. This is done to support things like:

```
Select(SqlId("*")).From(TABLE)
```

which seems to be used in existing code.

In related news, I have changed SqlAll() to return SqlId instead of SqlVal, which makes possible

```
Select(SqlAll().Of(TABLE)).From(TABLE)
```

which translates to

```
select TABLE.* from TABLE
```

Subject: Re: Sql column Ids now escaped

Posted by [mirek](#) on Mon, 06 Feb 2012 09:46:20 GMT

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mirek wrote on Sat, 04 February 2012 09:24

If SqlId does not contain valid sql id, it is not escaped. This is done to support things like:

```
Select(SqlId("*")).From(TABLE)
```

which seems to be used in existing code.

Ops, not so easy, above does not cover

```
Select(SqlId("current_time"))
```

which leads to SQL error (current_time is not schema name and cannot be escaped).

So I have changed everything in trunk:

static SqlId::UseQuotes switches quotes on for "modern" code, default is off to support legacy.

Modern code should use new SqlTxt to 'inject' SQL terms

```
Select(SqlTxt("current_time"))
```

and both of it makes checking id for being real id, which is time consuming, unnecessary, so it is not there anymore...