
Subject: Sql Avg delivers String instead of double
Posted by [masu](#) on Wed, 30 Jul 2014 21:38:45 GMT
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Hi,

I noticed in one of my programs that with MySql the Avg() function on a field delivers a String type and not a double type result in response Value.

Here is the sql query I use:

```
SQL * Select( field1,  
    Avg(field2), Count(field2),  
    Avg(field3), Count(field3))  
.From(table1);
```

The DB schema is defined in a .sch file and all fields have sql type INT.
Surprisingly Count() in SQL[2] and SQL[4] delivers an expected numeric type (double) in this case which is converted to int automatically when using Value.

But I get a String in SQL[1] and SQL[3] which should also contain double type Value.

What is the reason for it to have String type instead of double?
Can somebody point me to the code location where SQL[] Value are assigned from DB response?

Regards
Matthias

Subject: Re: Sql Avg delivers String instead of double
Posted by [mirek](#) on Thu, 31 Jul 2014 13:27:58 GMT
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The problem might be in `bool MySqlConnection::Execute()`;

See the switch there, I suspect that Avg returns some type that is not recognized there, so 'default' non-conversion to String takes the place.

After brief googling, could you please try to add `FIELD_TYPE_NEW_DECIMAL` to double section?

```
for(int i = 0; i < fields; i++) {  
    MYSQL_FIELD *field = mysql_fetch_field_direct(result, i);  
    SqlColumnInfo& f = info[i];  
    f.name = field->name;  
    switch(field->type) {  
    case FIELD_TYPE_TINY:
```


Subject: Re: Sql Avg delivers String instead of double
Posted by [mirek](#) on Fri, 01 Aug 2014 06:16:52 GMT
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Excellent, applied.

Mirek

Subject: Re: Sql Avg delivers String instead of double
Posted by [masu](#) on Fri, 01 Aug 2014 07:22:40 GMT
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Hi Mirek,

you missed in my reply that the type is

FIELD_TYPE_NEWDECIMAL

and not

FIELD_TYPE_NEW_DECIMAL

Regards
Matthias

Subject: Re: Sql Avg delivers String instead of double
Posted by [mirek](#) on Fri, 01 Aug 2014 15:09:30 GMT
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Ops, thanks.

Mirek
