
Subject: How to use Like() with SqlArray

Posted by [zsolt](#) on Sun, 23 Jul 2006 22:20:46 GMT

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Hello, I'm trying SQL parts of Ultimate++. It's seems to be very powerful and easy to use, but I have some problems yet.

I want to use Like() function, but the code below is not working for me:

```
String like_str;
like_str << ~m_edit_find << '%';
m_array.SetWhere(Like(PARTNER_NAME, like_str));
```

The error message is like this:

```
Preparing: select PARTNER_ID, PARTNER_NAME, PARTNER_ZIP, PARTNER_CITY,
PARTNER_ADDRESS from PARTNER where PARTNER_NAME like binary 'a%' order by
PARTNER_NAME
```

What is the problem? Im using sqlite with upp-605 Windows.

Subject: Re: How to use Like() with SqlArray

Posted by [mirek](#) on Sun, 23 Jul 2006 23:52:44 GMT

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I am no SQLite expert, but I guess "binary" is not OK there...

(Means either plugin/SQLite or SqlExp will need some fixing).

Mirek

Subject: Re: How to use Like() with SqlArray

Posted by [zsolt](#) on Mon, 24 Jul 2006 06:59:43 GMT

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Thanks, you are right.

I have changed Like() in Sqlexp.cpp from

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {
    int sqld = GetSqlDialect(a, b);
    return SqlBool(a, sqld == SQLD_MYSQL || sqld == SQLD_SQLITE3 ? " like binary " : " like ", b,
    SqlS::COMP);
}
```

to

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {  
    int sqld = GetSqlDialect(a, b);  
    return SqlBool(a, sqld == SQLD_MYSQL ? " like binary " : " like ", b, SqlS::COMP);  
}
```

and now it is working correctly. I have no idea why that "binary" was in sources. I tested "like binary" directly in sqlite and it produces an error. So this was a bug, I think.

Subject: Re: How to use Like() with SqlArray
Posted by [unodgs](#) on Mon, 24 Jul 2006 07:49:58 GMT
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zsolt wrote on Mon, 24 July 2006 02:59 Thanks, you are right.
I have changed Like() in Sqlexp.cpp from

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {  
    int sqld = GetSqlDialect(a, b);  
    return SqlBool(a, sqld == SQLD_MYSQL || sqld == SQLD_SQLITE3 ? " like binary " : " like ", b,  
    SqlS::COMP);  
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```

to

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SqlBool Like(const SqlVal& a, const SqlVal& b) {  
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}
```

and now it is working correctly. I have no idea why that "binary" was in sources. I tested "like binary" directly in sqlite and it produces an error. So this was a bug, I think.

From mysql page:

The following two statements illustrate that string comparisons are not case sensitive unless one of the operands is a binary string:

```
mysql> SELECT 'abc' LIKE 'ABC';  
-> 1  
mysql> SELECT 'abc' LIKE BINARY 'ABC';  
-> 0
```

<http://dev.mysql.com/doc/refman/5.0/en/string-comparison-functions.html>

More about binary operator:

<http://dev.mysql.com/doc/refman/5.1/en/charset-binary-op.html>

Subject: Re: How to use Like() with SqlArray
Posted by [unodgs](#) on Mon, 24 Jul 2006 07:55:46 GMT
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Frankly we should throw out the binary operator from mysql version.. (or add to sqlexp
LikeBinary..)

Subject: Re: How to use Like() with SqlArray
Posted by [mirek](#) on Mon, 24 Jul 2006 09:21:49 GMT
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I think that we should rather apply zsolt's patch (binary for MySQL) to keep Oracle and MySQL and
SQLite the same (case sensitive) (which is now done

Mirek

Subject: Re: How to use Like() with SqlArray
Posted by [unodgs](#) on Mon, 24 Jul 2006 10:39:39 GMT
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luzr wrote on Mon, 24 July 2006 05:21 I think that we should rather apply zsolt's patch (binary for
MySQL) to keep Oracle and MySQL and SQLite the same (case sensitive) (which is now done
Mirek

I proposed removing binary because I thought like is case insensitive.. (I used it only once or twice)
