
Subject: MSSQL connection cause memory leak
Posted by [akebee](#) on Mon, 10 Apr 2017 07:01:03 GMT
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my application frequently attempts to connect to the database server.
see the pic:

and the code:

```
while(1)
{
    MSSQLSession mssql;
    for(;;) {
        String cs = "Driver={SQL Server}";
        cs << "Server=" << "127.0.0.1" << ";";
        String h = "sa";
        if(IsNull(h))
            cs << "Trusted_Connection=Yes";
        else {
            cs << "UID=" << h << ";";
            // Cout() << "Password:";
            cs << "PWD=" << pass << ";";
            // Cout() << "Database (empty for default)";
            h = "";
            if(IsNull(h))
                cs << "Database=" << h << ";";
        }
        Cout() << "Connect mssql:" << cs << "\n";
        if(!mssql.Connect(cs))
            Cout() << "Connect failed: " << mssql.GetLastError() << "\n";
        else
            break;
    }

#ifdef _DEBUG
    mssql.SetTrace();
#endif

    //do some work
    Sleep(1000);

    mssql.Close();
}
```

File Attachments

1) [Screenshot](#), downloaded 470 times

Subject: Re: MSSQL connection cause memory leak
Posted by [mirek](#) on Mon, 10 Apr 2017 09:25:30 GMT
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Thanks, that is weird. Will look into it asap.

Subject: Re: MSSQL connection cause memory leak
Posted by [akebee](#) on Mon, 10 Apr 2017 09:55:29 GMT
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Yes, momoery increased when ODBCSession::Connect >
SQLAllocHandle(SQL_HANDLE_STMT, hdbc, &hstmt);

but the ODBCSession::Close() > SQLFreeHandle(SQL_HANDLE_DBC, hdbc); seems no effect!

Subject: Re: MSSQL connection cause memory leak
Posted by [mirek](#) on Mon, 10 Apr 2017 10:19:08 GMT
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Now looking at Close, maybe try to swap

```
SQLFreeHandle(SQL_HANDLE_DBC, hdbc);  
SQLFreeHandle(SQL_HANDLE_STMT, hstmt);
```

to

```
SQLFreeHandle(SQL_HANDLE_STMT, hstmt);  
SQLFreeHandle(SQL_HANDLE_DBC, hdbc);
```

(maybe it does not get freed because there is still statement in it...)

Subject: Re: MSSQL connection cause memory leak
Posted by [akebee](#) on Mon, 10 Apr 2017 10:32:42 GMT
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i debug again, i must correct my earlier comment,
is the

```
if(IsOk(SQLDriverConnect(hdbc, NULL, (SQLCHAR *)cs, SQL_NTS, NULL, 0, NULL,  
SQL_DRIVER_NOPROMPT))) {
```

...

cause memory increase, not SQLAllocHandle

the swap didn't working :?

Subject: Re: MSSQL connection cause memory leak
Posted by [mirek](#) on Mon, 10 Apr 2017 10:47:51 GMT
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Maybe it needs

```
SQLDisconnect(hdbc);
```

before FreeHandle (in Close)?

Mirek

Subject: Re: MSSQL connection cause memory leak
Posted by [akebee](#) on Mon, 10 Apr 2017 14:11:51 GMT
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yes,you`re right! :twisted:

```
add  
SQLDisconnect(hdbc);  
before  
SQLFreeHandle(SQL_HANDLE_DBC, hdbc);
```

by the way,why not add "Close()" in "ODBCSession::~~ODBCSession()?"

Subject: Re: MSSQL connection cause memory leak
Posted by [mirek](#) on Mon, 10 Apr 2017 14:39:01 GMT
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akebee wrote on Mon, 10 April 2017 16:11yes,you`re right! :twisted:

```
add  
SQLDisconnect(hdbc);  
before  
SQLFreeHandle(SQL_HANDLE_DBC, hdbc);
```

by the way,why not add "Close()" in "ODBCSession::~~ODBCSession()".?

Perfect! Can you please, just to be sure, if the fix in trunk is OK?

Subject: Re: MSSQL connection cause memory leak
Posted by [akebee](#) on Tue, 11 Apr 2017 01:12:49 GMT
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yes its OK!
