
Subject: Re: Oracle RefCursor and Stored Procedure
Posted by [aksdb](#) on Tue, 22 Apr 2014 12:53:33 GMT
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It's already a quite minimal example. I anonymized it to show you what I currently do:

```
#include <Core/Core.h>
#include <Sql/Sql.h>
#include <Oracle/Oracle8.h>

using namespace Upp;

void runQuery()
{
    StringBuffer sb;

    sb << "DECLARE \n";
    sb << " res SOME_CUSTOM_TYPE; \n";
    sb << "BEGIN \n";
    sb << " res := SCHEMA.PACKAGE.FUNCTION(OutCursor=>?); \n";
    sb << "END; \n";

    Sql ref;
    if (SQL.Execute(sb, RawToValue(&ref)))
    {
        Cout() << "Call succeeded" << EOL;

        for (int i = 0; i < ref.GetColumnCount(); ++i) {
            Cout() << Format("%d: %s", i, ref.GetColumnInfo(i).name) << EOL;
        }

        while (ref.Fetch()) {
            Cout() << ref[0] << EOL;
        }
    }
    else
    {
        Cout() << "Call failed" << EOL;
        Cout() << SQL.GetLastError() << EOL;
    }
}

CONSOLE_APP_MAIN
{
    Cout() << "Start" << EOL;

    String sUser("USER");
    String sPassword("PASS");
    String sDB("DB");
```

```
String sConnStr;  
sConnStr.Cat() << sUser << "/" << sPassword << "@" << sDB;
```

```
Oracle8 oraSession;  
if (!oraSession.Open(sConnStr, false)) {  
    Cout() << "Cannot open DB connection." << EOL;  
    Cout() << oraSession.GetLastError() << EOL;  
    return;  
}
```

```
SQL = oraSession;
```

```
runQuery();
```

```
Cout() << "Done" << EOL;  
}
```

I also attach the backtrace (I'm already looking into it, but at least to me it's not obvious (yet) what goes wrong here.):

```
#0 0x000000000048f308 in Upp::Panic (  
    msg=0x7ffffffe0d0 "Heap is corrupted --memory-breakpoint__ 1168 ")  
    at /home/aksdb/upp/uppsrc/Core/Util.cpp:119  
#1 0x000000000046b2e7 in Upp::HeapPanic (  
    text=0x7ffffffe0d0 "Heap is corrupted --memory-breakpoint__ 1168 ",  
    pos=0x7fff7ff6060, size=-1)  
    at /home/aksdb/upp/uppsrc/Core/heaputil.cpp:202  
#2 0x000000000046d87c in Upp::DbgHeapPanic (  
    text=0x59290a "Heap is corrupted ", p=0x7fff7ff6040)  
    at /home/aksdb/upp/uppsrc/Core/heapdbg.cpp:53  
#3 0x000000000046da96 in Upp::MemoryFree (ptr=0x7fff7ff6060)  
    at /home/aksdb/upp/uppsrc/Core/heapdbg.cpp:130  
#4 0x0000000000445b5c in operator delete[] (ptr=0x7fff7ff6060)  
    at /home/aksdb/upp/uppsrc/Core/Core.h:255  
#5 0x00000000004b2927 in Upp::OCI8Connection::Item::Clear (  
    this=0x7fff7fdd1c0) at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:186  
#6 0x00000000004b2a1f in Upp::OCI8Connection::Item::~Item (  
    this=0x7fff7fdd1c0, __in_chrg=<optimized out>)  
    at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:208  
#7 0x00000000004bdebb in Upp::Array<Upp::OCI8Connection::Item>::Free (  
    this=0x7fff7fdf0e0) at /home/aksdb/upp/uppsrc/Core/Vcont.hpp:388  
#8 0x00000000004bd6c9 in Upp::Array<Upp::OCI8Connection::Item>::~Array (  
    this=0x7fff7fdf0e0, __in_chrg=<optimized out>)  
    at /home/aksdb/upp/uppsrc/Core/Vcont.h:263  
#9 0x00000000004b8cdc in Upp::OCI8Connection::~OCI8Connection (  
    this=0x7fff7fdf060, __in_chrg=<optimized out>)  
    at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:1214  
#10 0x00000000004b8dbe in Upp::OCI8Connection::~OCI8Connection (  
    this=0x7fff7fdf060, __in_chrg=<optimized out>)
```

```
at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:1217
#11 0x0000000000588827 in Upp::Sql::Detach (this=0x7ffff7ff8160)
    at /home/aksdb/upp/uppsrc/Sql/Sql.cpp:676
#12 0x0000000000588887 in Upp::Sql::~Sql (this=0x7ffff7ff8160,
    __in_chrg=<optimized out>) at /home/aksdb/upp/uppsrc/Sql/Sql.cpp:688
#13 0x00000000004f4eb4 in Upp::One<Upp::Sql>::~Free (this=0x7fffffe598)
    at /home/aksdb/upp/uppsrc/Core/Other.h:26
#14 0x00000000004f44aa in Upp::One<Upp::Sql>::~Clear (this=0x7fffffe598)
    at /home/aksdb/upp/uppsrc/Core/Other.h:35
#15 0x00000000004ea432 in Upp::SqlSession::SessionClose (this=0x7fffffe4d0)
    at /home/aksdb/upp/uppsrc/Sql/Session.cpp:90
#16 0x00000000004ba3d0 in Upp::Oracle8::Logoff (this=0x7fffffe4d0)
    at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:1343
#17 0x00000000004baf36 in Upp::Oracle8::~Oracle8 (this=0x7fffffe4d0,
    __in_chrg=<optimized out>)
    at /home/aksdb/upp/uppsrc/Oracle/Oci8.cpp:1455
#18 0x0000000000404680 in ConsoleMainFn_ ()
    at /home/aksdb/MyApps/SQLTest/SQLTest.cpp:59
#19 0x0000000000485957 in Upp::AppExecute__ (app=0x404353 <ConsoleMainFn_(>)>)
    at /home/aksdb/upp/uppsrc/Core/App.cpp:322
#20 0x0000000000404347 in main (argc=1, argv=0x7fffffe7f8,
    envp=0x7fffffe808) at /home/aksdb/MyApps/SQLTest/SQLTest.cpp:37
```

I'll debug this further in hopes to find out, what reference is corrupt exactly (I presume some of the special refcursor handling isn't up-to-date with other SQL backend changes ... but we'll see)
