Subject: UPP && Oracle OCCI && VC 2010
Posted by wqcmaster on Mon, 11 Mar 2013 15:33:20 GMT
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Hello,

I've encountered serious problems with the following code under windows:

```
#include <Core/Core.h>
#include <occi.h>

CONSOLE_APP_MAIN
{
   std::string rs;
   {
      oracle::occi::Environment *env =
oracle::occi::Environment::createEnvironment(oracle::occi::Environment::DEFAULT);
      oracle::occi::Connection* con = env->createConnection("Scott", "Tiger",

 "(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=192.168.1.1)(POR
T=1521)))(CONNECT_DATA=(SERVICE_NAME=test.upp)))");
      oracle::occi::Statement* stmt = con->createStatement("SELECT 'ABC' FROM DUAL");
      oracle::occi::ResultSet* rset = stmt->executeQuery();
      if (rset->next()) {
         rs = rset->getString(1);
      } // LEAVING THIS SCOPE LEADS TO ERROR!
      stmt->closeResultSet(rset);
      env->terminateConnection(con);
      oracle::occi::Environment::terminateEnvironment(env);
   }
   if (rs.length()) {

   }
}
```

ERROR (running in debug):

This test-scenario only fails in debug actually; I haven't found a simple version for release mode until now.

What am I doing wrong here?
Why tries Ultimate to free memory, that the occi library created using the msvc crt??
Am I missing something? Can you give me some hints?

Kind regards
wqcmaster

P.S.: Using UPP version 5485; Visual Studio 2010; Oracle OCCI Library 11.2 with VC10

File Attachments
1) screen_2013_03_11_1.png, downloaded 786 times
2) screen_2013_03_11_2.png, downloaded 755 times
3) oracle_test.upp, downloaded 293 times

Subject: Re: UPP && Oracle OCCI && VC 2010 - SOLVED
Posted by wqcmaster on Wed, 20 Mar 2013 21:09:34 GMT
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We found the solution ourselves:

You need to disable UPP_HEAP with USEMALLOC in main package configuration and compile against the right CRT; so most likely with link mode set to "USE SHARED LIBS".

UPP_HEAP is counterproductive in this constellation of libraries (VC & OCCI) needed for this project. UPP_HEAP should most likely never interfere in allocation/deallocation process across dll boundaries.

Second problem was, that the occi library is linked against shared VC-CRT (/MD or /MDd), and UPP uses as default /MT or /MTd.