Subject: OfficeAutomation - Update Requests
Posted by ratah on Fri, 09 Dec 2011 09:32:23 GMT
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Hello Koldo,

I have 2 modifications I want you insert in the OfficeAutomation version.

The first one is about the bad process killing: EXCEL remains in memory even if my executable is closed.
So I use a little process killer function. Do not forget to include tlhelp32.h

```
#include <Core/Core.h>
#include <tlhelp32.h>

using namespace Upp;

#include <Functions4U/Functions4U.h>
#include <OfficeAutomation/OfficeAutomation.h>

BOOL KillProcessByName(char *szProcessToKill)
{
 HANDLE hProcessSnap;
 HANDLE hProcess;
 PROCESSENTRY32 pe32;
 DWORD dwPriorityClass;

 hProcessSnap = CreateToolhelp32Snapshot(TH32CS_SNAPPROCESS, 0);  // Takes a snapshot of all the processes

 if(hProcessSnap == INVALID_HANDLE_VALUE){
  return( FALSE );
 }

 pe32.dwSize = sizeof(PROCESSENTRY32);

 if(!Process32First(hProcessSnap, &pe32)){
  CloseHandle(hProcessSnap);
  return( FALSE );
 }

 do{
  if(!strcmp(pe32.szExeFile,szProcessToKill)){    //  checks if process at current position has the name of to be killed app
   hProcess = OpenProcess(PROCESS_TERMINATE,0, pe32.th32ProcessID);  // gets handle to process
   TerminateProcess(hProcess,0);   // Terminate process by handle
   CloseHandle(hProcess);  // close the handle
```

```
  }
 }while(Process32Next(hProcessSnap,&pe32));  // gets next member of snapshot

 CloseHandle(hProcessSnap);  // closes the snapshot handle
 return( TRUE );
}


CONSOLE_APP_MAIN
{

 try
 {
 // TEST XLS

  OfficeSheet sheet;

  bool openAvailable = sheet.IsAvailable("Open");
  bool microsoftAvailable = sheet.IsAvailable("Microsoft");

  if(!openAvailable && !microsoftAvailable)
  {
   throw Exc("MS Office n'est pas pret, le programme ne peut pas lire le fichier Excel!!");
  }

  if (openAvailable)
  {
   sheet.Init("Open");
  }
  else if (microsoftAvailable)
  {
   sheet.Init("Microsoft");
  }

  String ficXLS = ConfigFile("test.xls");

  if (!sheet.OpenSheet(ficXLS, false))
  {
   sheet.AddSheet(true);

   if(sheet.InsertTab("My new tab"))
    sheet.SetValue(3, 21, "Hello");

   sheet.SaveAs(ficXLS, "xls");
   /*sheet.Quit();*/
   //sheet.End();  -> HOW DO I USE THIS ????
   sheet.Quit();
```

```
   // PromptOK(AsString(LocalProcess("EXCEL").IsRunning()));  -> DOES NOT WORK AS I
WANT SO I USE ANOTHER FUNCTION

   KillProcessByName("EXCEL.EXE");
  }
  else
  {
   Cout() << "test.xls already exists!!";
  }

 }
 catch(Exc &e)
 {
  Cout() << e;
 }

}
```

The second one concern OfficeSheet test of availability (bool microsoftAvailable = sheet.IsAvailable("Microsoft")
It shows the messages below if MS Office is not installed in the computer test. Could you remove these messages please.

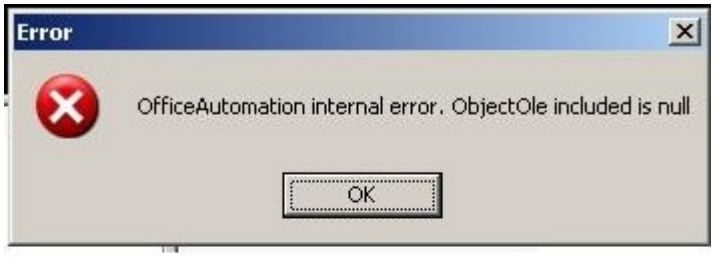
I compiled with the nightbuilt Version 4140 of TheIDE, do not consider these requests if corrections are yet done.

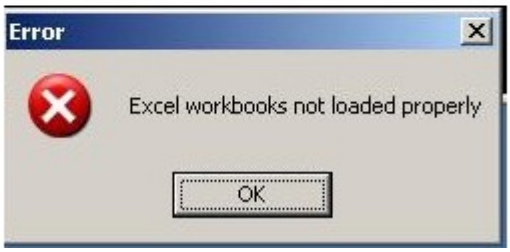
Best regards,

Lova Tahina

File Attachments

1) message12.JPG, downloaded 1818 times





Subject: Re: OfficeAutomation - Update Requests
Posted by koldo on Fri, 09 Dec 2011 13:27:41 GMT
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Hello ratah

Thank you. I have replaced the MessageBox() calls with LOG() calls.

About killing EXCEL... OfficeAutomation began many years ago and was made in VBA . Years later I moved it to C++ in U++. All this time from Visual Basic to C++ it was not possible to remove that problem.

At least only one EXCEL.exe thread is launched per program.

The problem of killing EXCEL is that we can kill other EXCEL process instead of the one created by the program.

Any solution will be acknowledged .

Subject: Re: OfficeAutomation - Update Requests
Posted by ratah on Mon, 12 Dec 2011 09:51:42 GMT
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Hello Koldo,

Thanks for the update.
I'm agree with you for the process killing. I'll do it later.

Subject: Re: OfficeAutomation - Update Requests
Posted by keltor on Thu, 13 Dec 2012 11:39:27 GMT
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I have tried the OfficeAutomation demo from the Bazaar and, while it works well with Excel, it seems that LibreOffice is not supported correctly. I get a popup stating that the -Embedding option is not recognised. I am using LibreOffice 3.6. Is there a chance to fix that?

Subject: Re: OfficeAutomation - Update Requests
Posted by koldo on Thu, 13 Dec 2012 12:37:02 GMT
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Hello Keltor

I have not checked OfficeAutomation with LibreOffice for quite some time.
I will try it.

Subject: Re: OfficeAutomation - Update Requests
Posted by koldo on Thu, 13 Dec 2012 14:47:43 GMT
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Hello Keltor

It seems to be a bug in LibreOffice reported just one month ago. See this post:
https://bugs.freedesktop.org/show_bug.cgi?id=57203.

We will have to wait...

Subject: Re: OfficeAutomation - Update Requests
Posted by keltor on Thu, 13 Dec 2012 16:19:22 GMT
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Ah, makes sense. I looked for the "Embedded" string in the code and I couldn't find anything, now I understand why. Thanks for the heads up!

Subject: Re: OfficeAutomation - Update Requests
Posted by koldo on Fri, 08 Feb 2013 11:06:12 GMT
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Hello Keltor

LibreOffice 4.0 has been released and solves the problem with Automation .

Subject: Re: OfficeAutomation - Update Requests
Posted by keltor on Wed, 13 Feb 2013 10:46:01 GMT
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Thank you Koldo!