



Getting started with automated GUI testing The VCL TestTool application

Try to get prepared for this session at:
<http://qa.openoffice.org/qatesttool/OOoCon2006>

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VCL TestTool Application

- What is needed to run the tests
 - > OoO
 - > VCL TestTool application
 - > Environment
- How does the configuration work
- Performing the first test
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- Advanced: screenshots

What is needed to run the tests

- OOo
- VCL TestTool application
 - > In the 'program' directory of OOo: testtool.bin / testtool.exe
 - > MacOS X: copy the script 'soffice' to 'testtool' and start 'testtool' (This will start testtool.bin)
- Environment
 - > In OOo CVS system: qa/qatesttool
'cvs' program needed; command line is:
cvs -d :pserver:anoncvs@anoncvs.services.openoffice.org:/cvs login
(password: none - just press return)
cvs -d :pserver:anoncvs@anoncvs.services.openoffice.org:/cvs co -P qa/qatesttool
 - > Snapshot of just first.bas and topten.bas: (6MB)
http://qa.openoffice.org/qatesttool/OOoCon2006/qa_cvs_global.zip
 - > Snapshot of 07.09.2006 from André Schnabel (46MB)
ftp://ftp.ooodev.org/pub/qa/qatesttool_cvs_head_20060907.tbz

How does the configuration work

- Start the testtool application
 - > Select from menu: Extra -> Settings
 - > Tabpage: Profile
 - Base directory: click on button '...' and select the directory 'qatesttool' from the environment
 - Log base directory: '...' : (Base directory + 'errorlog')
There you will find the resultfiles of the tests (*.res)
 - HID directory: '...' : (Base directory + 'global/hid')
 - > Tabpage: Generic
 - Select from listbox 'Area': OOoProgramDir and press button 'Path'.
Select the directory, that contains the 'program' directory of OOo.
 - > Tabpage: Misc
 - Nothings needs to be done here but showing it one time.
 - > Leave settings by pressing button 'OK'

Performing the first test

- Open a test script: some file that ends with .bas.(basic language file)
Select from menu: File -> Open
Navigate to qa/qatesttool/framework/first select: first.bas
- Make sure that OOo is not running.
Win32: Disable and quit the quickstarter.
- Disable the screensaver. The TestTool is the screensaver ;-)
- Never ever work while the tests are run! Don't use the mouse.
It will make tests to fail.
- OOo needs to get started by the TestTool application. (Or at least with the command line switch '-enableautomation')
- To start the script select from menu: Program -> Start
- A new tab appears at the bottom of the TestTool application: the result file.
- OOo is started - Look at the title bar of OOo:
Untitled 1 - OpenOffice.org Writer TTS:localhost[12479]
(TTS: Data send; TTD: Data recieved; C+ connection established; C- Connection terminated)

Evaluating the result

- There should be no red or orange color in the resultfile.
- The test should end with:

```
Date : 09/05/2006; Time: 02:57:20 PM; Duration : 0h 16m 33s
*****
** No errors have occurred
** No warnings have occurred
** No warnings occurred during initialization
*****
```

- The resultfile is saved in the selected directory 'Log base directory'.
- The file name is the name of the .bas file but ends with .res.
- If you get errors, run the test again to be sure it is reproduceable before reporting or asking about it.
- You may run more tests after another with
qa/gatesttool/scripts/...
(Working script for MacOS X still needed - Volunteers are welcome)

Child Work Space (CWS)

- It is required to run at least two tests on a CWS:
 - > topten.bas
 - > first.bas
- Both tests have to pass
- It is recommended to run more tests

Documentation parts

- <http://qa.openoffice.org/qatesttool/>
 - > Introduction to Automated GUI Testing
 - e.g. All extra commands for the TestTool
 - Source of the document in cvs: qa/qatesttool/documenation
 - > OpenOffice.org TestTool CookBook
 - e.g. How to write a test
- <http://qa.openoffice.org/files/documents/77/3247/essen2006testtool2.pdf>
 - > How to make screenshots of dialogs
- Newsgroup to ask questions about the TestTool application and the environment:
 - > dev@qa.openoffice.org



Questions?

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