Installation of XGRT - Extensible Graphics Research Toolkit

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1 Remarks

- Currently, *XGRT* can only be installed in directories which paths without blank characters.

2 Installing Visual Studio 2008

- Install it

3 Installing Qt 4

- Download Qt Open Source 4.4.3 (other versions are untested) from *http://wftp.tu-chemnitz.de/pub/Qt/qt/source/qt-win-opensource-4.4.3-mingw.exe*

- Start the installer and **allow** setting environment variables and registering the *.ui* file extension and **install MinGW**, if it is not installed yet.

- Choose from windows startmenu: *Visual Studio 2008 Command Prompt* or *Visual Studio 2008 x64 Win64 Command Prompt* depending of which version of *XGRT* you want to build. There, change to Qt installation folder and type *configure* and answer *yes*.

- Type *nmake* to build Qt via Visual Studio.

- Open Visual Studio 2008 and choose *Options* from *Tools* menu. Go to *Projects and Solutions/VC++ Directories* and add the Qt paths here: If your Qt-Dir is *C:/Qt/4.4.3*, add *C:/Qt/4.4.3/bin* in Executable files, *C:/Qt/4.4.3/include* in Include files and *C:/Qt/4.4.3/lib* in Library files.

4 Setting up Visual Studio with XGRT

- Open the xgrt solution: *xgrt_open_source.sln*.

- Change project-settings of *xgrt_open_source*: *Debugging/Working Directory* to **$(TargetDir)**.

- Also in the project-settings of *xgrt_open_source* set (using *All Configurations*) *Environment settings* to **PATH=$(SolutionDir)/bin/externalDlls;$(path)** and make sure that *Merge Environment* is set to **Yes**.

  If you want to build the x64 version of *XGRT* add the externalDlls_64 directory to the environment as the first path:
  set *Environment settings* to **PATH=$(SolutionDir)/bin/externalDlls_64;$(path)**.

- When starting *XGRT*, make sure that the *xgrt_open_source* project is selected as the startup project (right-click on *xgrt_open_source* → *Set as StartUp Project*)

- If any Qt Dll is not found, copy all Qt Dlls from *qtdir/bin* into the *xgrt/bin/externalDlls* (or *xgrt/bin/externalDlls_64*) directory.

5 Contact

We cannot provide full support for our software and cannot guarantee that it works stably under all conditions. If you detect any mistakes, however, or experience problems with the library, please contact us: (*https://www.gris.uni-tuebingen.de/xgrt*).