

XMAS project directory structure

The source inspiration for this structure is an answer to

<http://stackoverflow.com/questions/1417776/how-to-use-qmakes-subdirs-template>

However, we no longer use the source provided there, because qmake-qt has developed further. We can now use standard qmake instructions to develop the source on windows and linux.

We adjusted the source structure to our needs. The top directory (this one) contains only projects, no .pro file. Each project has its own main .pro file.

The main .pro file either contains further subprojects, in which case it uses template 'subdirs', or it is independent, in which case it uses template 'app' or 'lib'. The subprojects always use 'app' or 'lib' for template.

For Windows we use static linking and for Linux we use dynamic linking. Do not ask. We found that using dynamic libraries under Windows gives "undefined" link errors, while using static under Linux seems not to work at all: it still needs the .so files. We all hate it when things do not work properly. We would love to have this solved and use static on both platforms. There is no need to use dynamic as the libraries are all tied to this project.

The current project structure is:

./bitpowder	Library	A supporting lib
./bitpowdertest	Main: gtest	test cases for bitpowder
./xmd	SUBDIRS	the xmas designer
./xmd/xmd	Library, Qml2	The actual qml code
./xmd/xmdmain	Main, Qt	The Qt code to start qml
./xmv	SUBDIRS	A supporting set of libs
./xmv/datamodel	Library	The datamodel of xmas
./xmv/vt	Library	The verification tools of xmas
./xmv/xmvmain	Main	
./xmvtest	Main: gtest	test cases for xmv