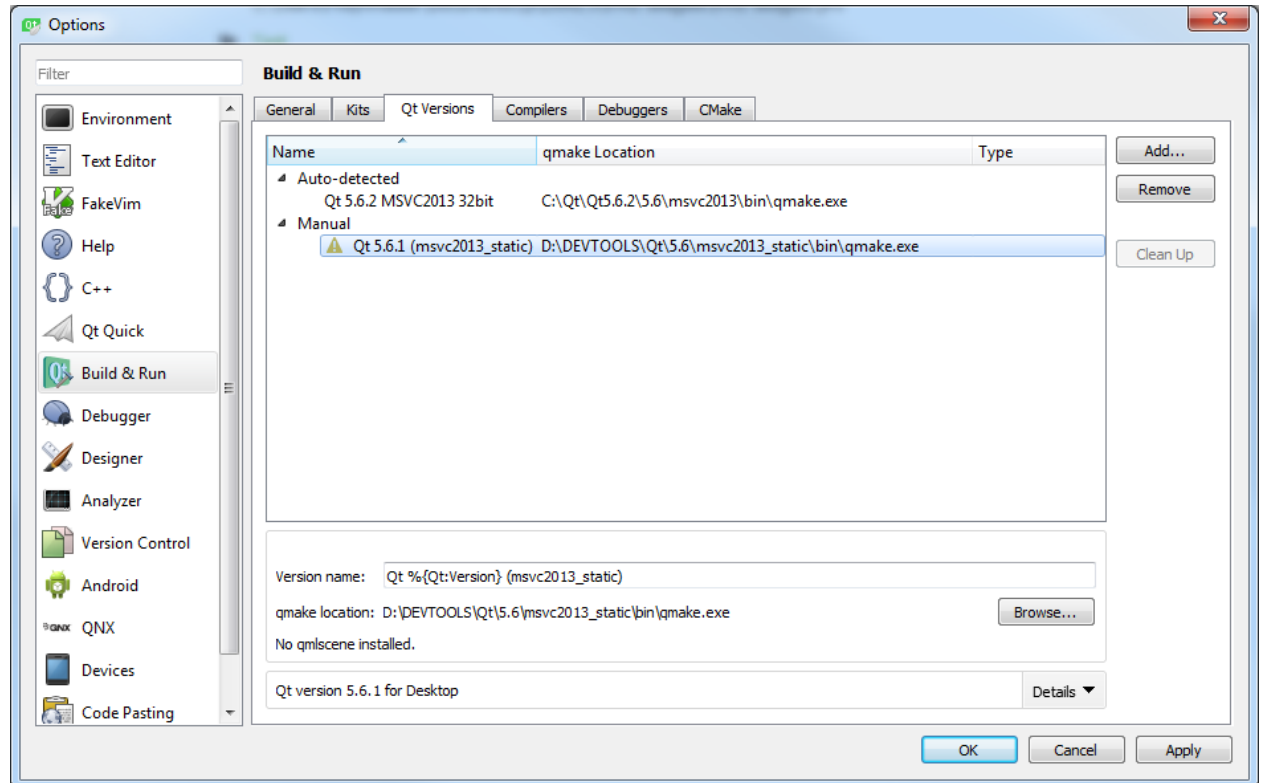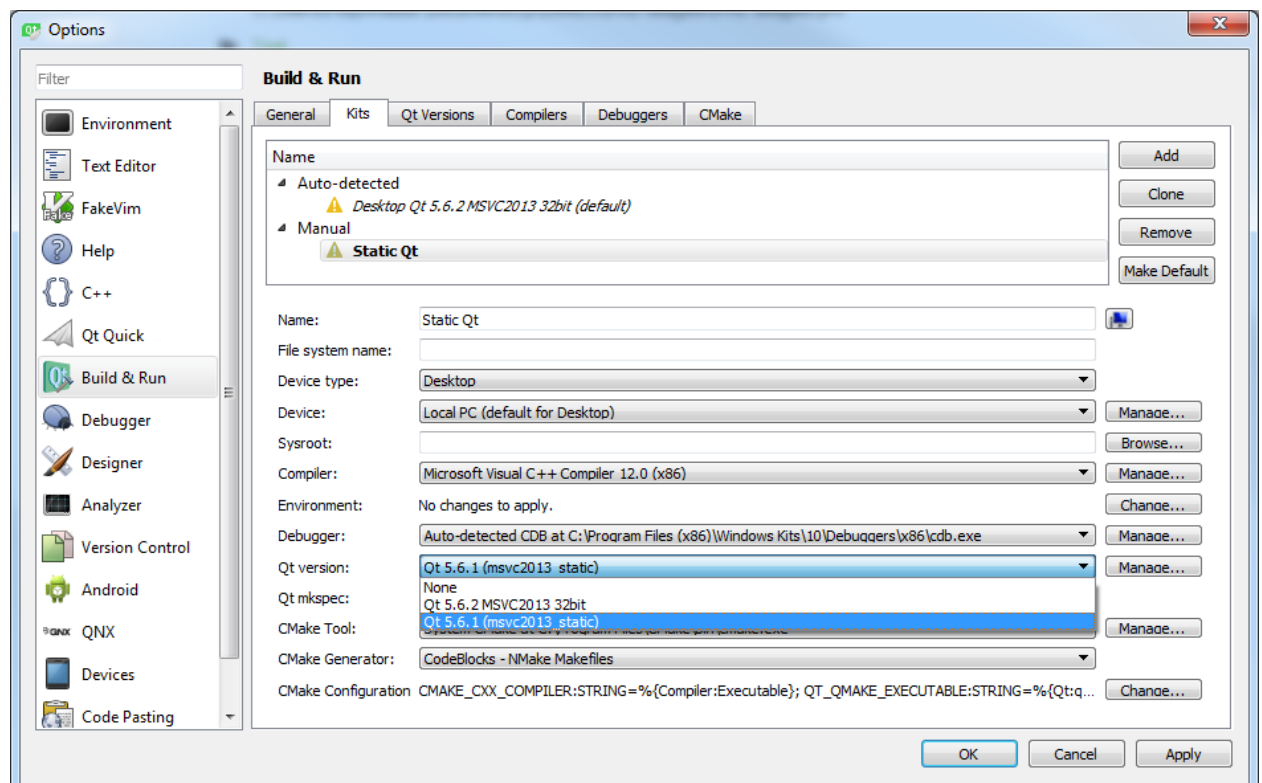# How to re-build installer with new version of Qt

1. Add new statically linked version of Qt in your 'Qt creator':

   1.1 Open 'Qt Creator', go to 'Tools -> Options -> Build & Run';

   1.2 Select tab 'Qt versions', press 'Add', select qmake utility of statically linked Qt;

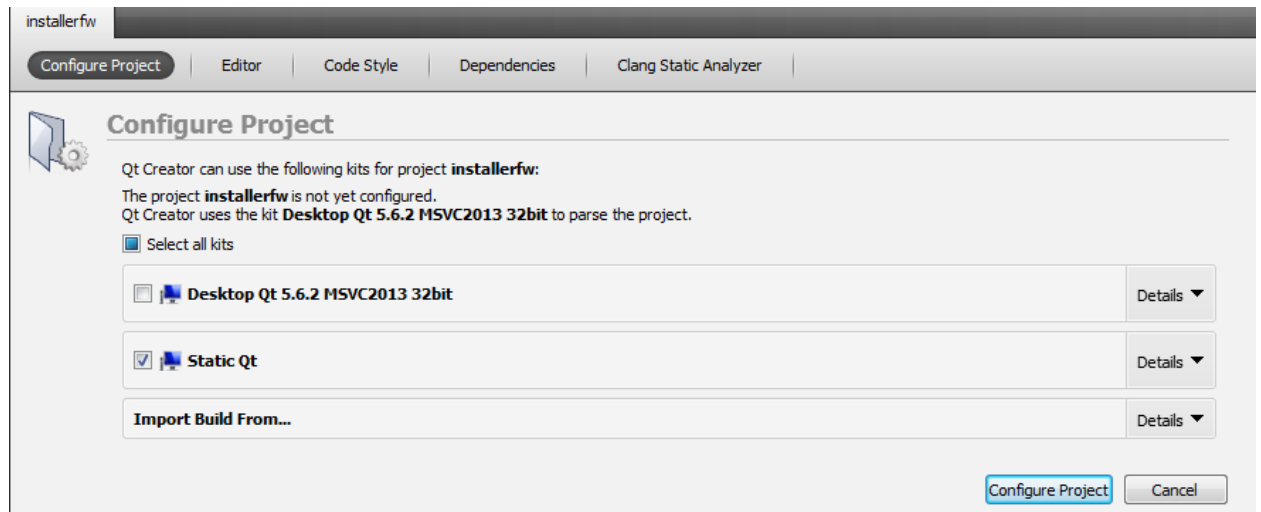   1.3 Go to tab 'Kits', press 'Add', select just added static Qt version in the field 'Qt version';

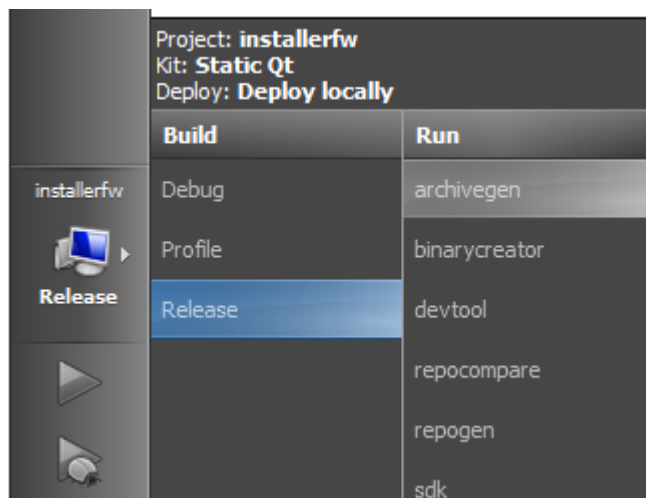1.4 Press 'Apply' to save configuration.

2. Build installer framework:

2.1 Open '.pro' file of the installer framework using Qt Creator (located in folder 'qtifw-LaCie/installerfw.pro');

2.2 Configure the project with statically linked Qt;

2.3 Select build type 'Release';

2.4 Press 'Build project';

2.5 When the project is successfully built, new folder 'build-installerfw-%Qt_version_name%-Release' appears near the installer framework directory. This folder contains installer framework compiled with selected Qt version.

3. Prepare application files for the installer and specify configs for the target platform:

3.1 Choose application binaries which you want to pack into the installer (LRM application folder for Windows **or** LRM .app bundle for Mac). Compress all files to the .7z archive with name 'data.7z';

3.2 Put 'data.7z' archive into folder 'Installer/packages/com.lacie/data';

3.3 Go to folder 'Installer/config', rename one of the files 'config_**win**.xml' or 'config_**mac**.xml' to just '**config.xml**' (based on the target platform for the installer – Windows or Mac);

3.4 Go to folder 'Installer/packages/com.lacie/meta', rename one of the files 'config_**win**.xml' or 'config_**mac**.xml' to just '**config.xml**' (based on the target platform for the installer).

4. Since all preparations have been done, build new installer:

   4.1 On **Windows**: open 'cmd', execute following command:

   cd %Path_to_installer_framework_folder%\bin && binarycreator.exe --offline-only -v -c "%Path_to_folder_with_installer_configs%\config\config.xml" -p "%Path_to_folder_with_installer_configs%\packages" %Path_to_output_folder%:\LaCieRaidManager.exe

   Example of the command:

   cd C:\Users\User1\Documents\build-installerfw-Static_Qt-Release\bin && binarycreator.exe --offline-only -v -c "C:\Users\User1\Documents\Installer\config\config.xml" -p "C:\Users\User1\Documents\Installer\packages" C:\LaCieRaidManager.exe

   4.2 On **Mac**: open 'terminal', execute following command:

   %Path_to_installer_framework_folder%/bin/binarycreator --offline-only -v -c "%Path_to_folder_with_installer_configs%/config/config.xml" -p "%Path_to_folder_with_installer_configs%/packages" %Path_to_output_folder%:/LaCieRaidManager.dmg

   Example of the command:

   /Users/admin/Documents/build-installerfw-Static_Qt-Release/bin/binarycreator.exe --offline-only -v -c "/Users/admin/Documents/Installer/config/config.xml" -p "/Users/admin/Documents\Installer\packages" /Users/admin/Documents/LaCieRaidManager.dmg

5. Installer is ready to use!