

Set up the openPASS development environment

1 Set up Qt

1. Install Qt 5.6.2 with MinGW 4.9.2 32bit from:
<https://www.qt.io/download/>
2. Set environment variables (for Windows):
 - a. Go to
"Control Panel\System\System"
 - b. Navigate to
"Advanced system settings > Advanced > Environment Variables > System variables"
 - c. Edit the variable "Path" and add at the end:
C:\Qt\Qt5.6.2\Tools\mingw492_32\bin;c:\Qt\Qt5.6.2\5.6\mingw49_32\bin;

2 Set up source code

1. Copy the source code to "c:\OpenPASS\Source"
(path must be short to avoid compilation issues)
2. Define binary output folders in "c:\OpenPASS\Source\Global.pri"
(DIR_DEBUG and DIR_RELEASE)
3. Delete all "*.pro.user" files, if any found
4. Start Qt Creator
5. Open "OpenPass_PCM_UseCase.pro"

3 Run simulation

1. In Qt Creator (re-)build the project "OpenPass_PCM_UseCase"
2. Place the folder "Systems" in the binary output directory
(set in "Global.pri" via DIR_DEBUG or DIR_RELEASE)
3. Place the database "HAF_cases_PCM.mdb" in the binary output directory
4. Execute "OpenPass_PMC_GUI.exe"
5. Simulation results are placed in the folder "Results"