

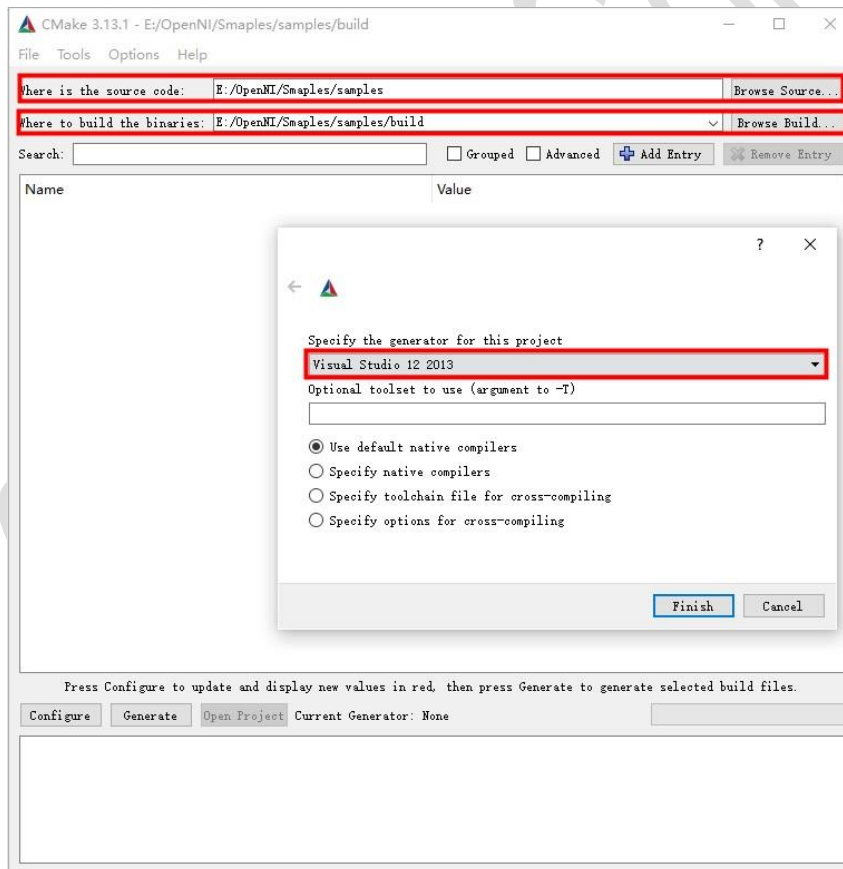
Orbbec OpenNI2.3-SDK Sample Instructions

1 Windows

- If using VS2013 x86 for compiling the Samples, please install cmake and Visual Studio 2013 first
- Create a build directory under Samples

build	2021/9/14 16:32	文件夹
ColorReaderEvent	2021/9/14 16:27	文件夹
ColorReaderPoll	2021/9/14 16:27	文件夹
ColorReaderUVC	2021/9/14 16:27	文件夹
DepthReaderEvent	2021/9/14 16:27	文件夹
DepthReaderPoll	2021/9/14 16:27	文件夹
ExtendedAPI	2021/9/14 16:27	文件夹
GeneratePointCloud	2021/9/14 16:27	文件夹
InfraredOniFileReader	2021/9/14 16:27	文件夹
InfraredOniFileRecorder	2021/9/14 16:27	文件夹
InfraredReaderEvent	2021/9/14 16:27	文件夹
InfraredReaderPoll	2021/9/14 16:27	文件夹
MultiDepthViewer	2021/9/14 16:27	文件夹
SimpleViewer	2021/9/14 16:27	文件夹
ThirdParty	2021/9/14 16:27	文件夹
CMakeLists.txt	2021/9/14 16:24	文本文档

- Open CMake(cmake-gui) and setup as shown for Samples

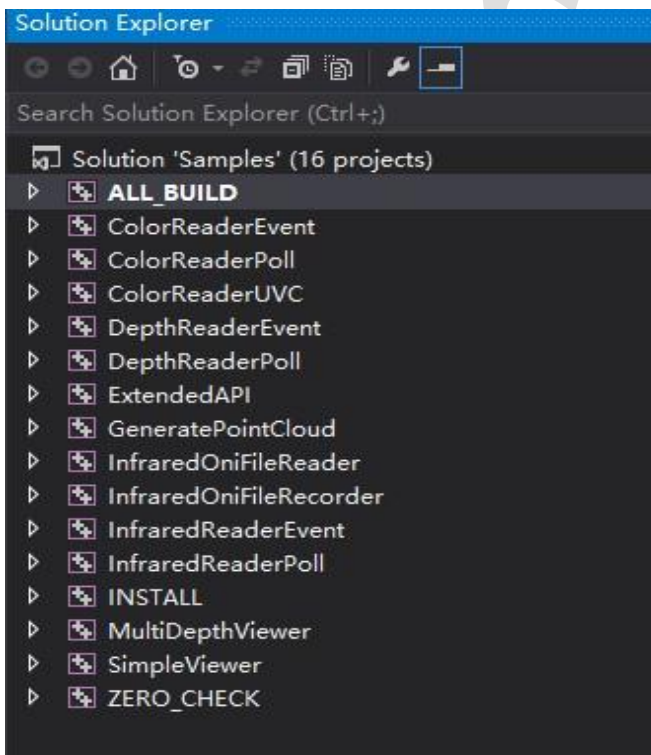


Config samples CMakeLists.txt and build location, press Configure for specifying Visual Studio 12 2013, and click finish.

- Press Generate to complete cmake
- The Samples.sln will shown in the build directory

名称	修改日期	类型	大小
CMakeFiles	2021/9/14 16:46	文件夹	
ColorReaderEvent	2021/9/14 16:46	文件夹	
ColorReaderPoll	2021/9/14 16:46	文件夹	
ColorReaderUVC	2021/9/14 16:46	文件夹	
DepthReaderEvent	2021/9/14 16:46	文件夹	
DepthReaderPoll	2021/9/14 16:46	文件夹	
ExtendedAPI	2021/9/14 16:46	文件夹	
GeneratePointCloud	2021/9/14 16:46	文件夹	
InfraredOniFileReader	2021/9/14 16:46	文件夹	
InfraredOniFileRecorder	2021/9/14 16:46	文件夹	
InfraredReaderEvent	2021/9/14 16:46	文件夹	
InfraredReaderPoll	2021/9/14 16:46	文件夹	
MultiDepthViewer	2021/9/14 16:46	文件夹	
SimpleViewer	2021/9/14 16:46	文件夹	
ALL_BUILD.vcxproj	2021/9/14 16:46	VC++ Project	21 KB
ALL_BUILD.vcxproj.filters	2021/9/14 16:46	VC++ Project Fil...	1 KB
cmake_install.cmake	2021/9/14 16:46	CMAKE 文件	12 KB
CMakeCache.txt	2021/9/14 16:46	文本文档	20 KB
INSTALL.vcxproj	2021/9/14 16:46	VC++ Project	12 KB
INSTALL.vcxproj.filters	2021/9/14 16:46	VC++ Project Fil...	1 KB
Samples.sln	2021/9/14 16:46	Visual Studio Sol...	17 KB
ZERO_CHECK.vcxproj	2021/9/14 16:46	VC++ Project	23 KB
ZERO_CHECK.vcxproj.filters	2021/9/14 16:46	VC++ Project Fil...	1 KB

- Open Samples.sln and select ALL_BUILD to compile all Samples. Click on Install for installing dependency libraries



名称	修改日期	类型
OpenNI2	2021/9/14 16:57	文件夹
ColorReaderEvent.exe	2021/9/14 16:57	应用程序
ColorReaderPoll.exe	2021/9/14 16:57	应用程序
ColorReaderUVC.exe	2021/9/14 16:57	应用程序
d2c.dll	2021/9/14 16:24	应用程序扩展
DepthReaderEvent.exe	2021/9/14 16:57	应用程序
DepthReaderPoll.exe	2021/9/14 16:57	应用程序
ExtendedAPI.exe	2021/9/14 16:57	应用程序
GeneratePointCloud.exe	2021/9/14 16:57	应用程序
glut32.dll	2021/9/14 16:24	应用程序扩展
InfraredOniFileReader.exe	2021/9/14 16:57	应用程序
InfraredOniFileRecorder.exe	2021/9/14 16:57	应用程序
InfraredReaderEvent.exe	2021/9/14 16:57	应用程序
InfraredReaderPoll.exe	2021/9/14 16:57	应用程序
MultiDepthViewer.exe	2021/9/14 16:57	应用程序
opencv_world430.dll	2021/9/14 16:24	应用程序扩展
OpenNI.ini	2021/9/14 16:24	配置设置
OpenNI2.dll	2021/9/14 16:24	应用程序扩展
OpenNI2.lib	2021/9/14 16:24	Object File Library
SimpleViewer.exe	2021/9/14 16:57	应用程序
UVC-Swapper.dll	2021/9/14 16:24	应用程序扩展

2 Linux

There are two ways for compiling the samples in Linux, the script method is recommended

2.1 Script

Open Terminal and go to samples directory to run the sample_build.sh script, for example:

```
bash sample_build.sh platform。
```

Information:

- (1). Here we use bash for running the script (not required)
- (2). Platform will need to be replaced with current platform information as follow: x86_64 for: linux64, aarch64 for: Arm64, armv7l for: Arm32。

Example:

```
bash sample_build.sh x86_64
```

2.2 Manual Compile

- Create build directory in samples

```
cd samples
```

```
mkdir build
```

```
cd build
```

- Use cmake to generate platform specific sample makefile

```
// -DBUILD_PLATFORM, x86_64: linux64, aarch64: Arm64, armv7l: Arm32.
```

```
cmake .. -DBUILD_PLATFORM=x86_64
```

- After finishing cmake, please copy below libUVC libraries to the location specified for SimpleViewer and ColorReaderUVC,

```
x86_64: /samples/ThirdParty/libuvc/x64 copy to /build/ ColorReaderUVC(SimpleViewer)
```

```
armv7l: /samples/ThirdParty/libuvc/arm-32 copy to /build/ ColorReaderUVC(SimpleViewer)
```

```
aarch64: /samples/ThirdParty/libuvc/arm-64 copy to /build/ ColorReaderUVC(SimpleViewer)
```

- Make samples bin executables

```
make
```

- Install library files

```
sudo make install
```

2.3 Notes

Some samples may require GL libraries, please use command `sudo apt-get install freeglut3-dev` for installation

ORBEC Confidential