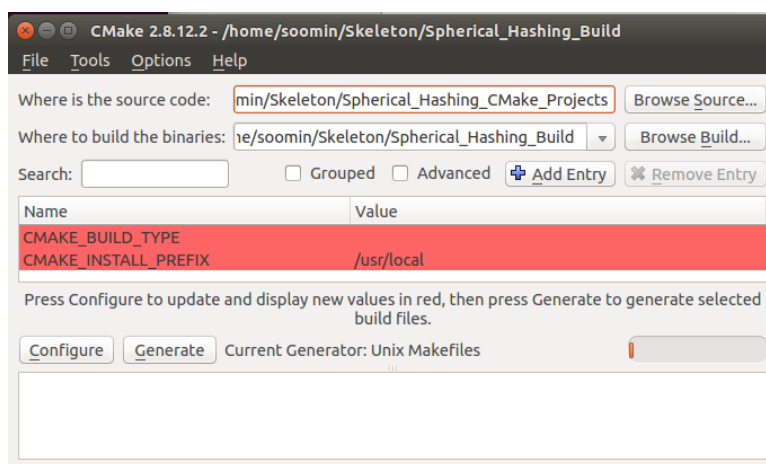


Advice for PA3: This was created by Soomin Kim at Sep., 2016

- This hint is for running spherical hashing code.
- Those who use VMWare for Ubuntu, it is recommended to use ram memory bigger than 4 GB. (At least 2 GB)
- How to use cmake for makefile and g++ for build
 - install cmake and g++

```
sudo apt-get install cmake  
sudo apt-get install g++
```

- Use cmake for Makefile
 - 'cmake-gui' will make below window.



- Specify source code location and build location (the location where your build file will be generated).
 - Configure
 - Generate
- Build
- 'make all -j8' will build your code.
 - Now you have Tester_L2.exe file in the Tester_L2 folder.
- Tester_L2 is what you need to utilize.
- You can run the binary in the form below
EXE DATA QUERY QueryLength(that you want to achieve)
QueryLength should be one of these (8,16,32,64,128,256,512).
 - Tester_L2 will encode your descriptor and write binary code.

In a form of SphericalHashing_data.out
SphericalHashing_query.out

- For using Tester_L2, you need to adjust your PA2's result as pre-defined format.

```
// format is below
```

```
(num. points) (dimensionality) : they are both int
```

```
v0 (floats, number of elements is equal to dimensionality)
```

```
v1
```

```
...
```

Vi is each of image descriptor information that you have obtained by PA2.

- You can understand more if you see Spherical_Hashing's points.h file for input file information.

GOOD LUCK!