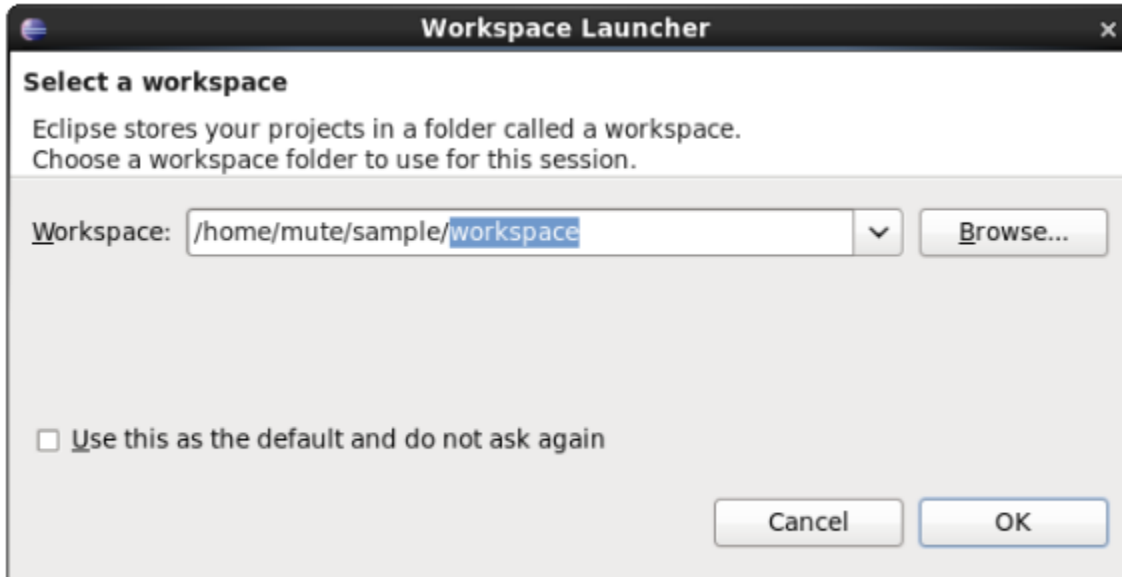


How to configure Eclipse to build and debug FA C++ samples.

To configure Eclipse for building and debugging [FIX Antenna](#)'s samples or your own applications based on FIX Antenna library you can follow these steps:

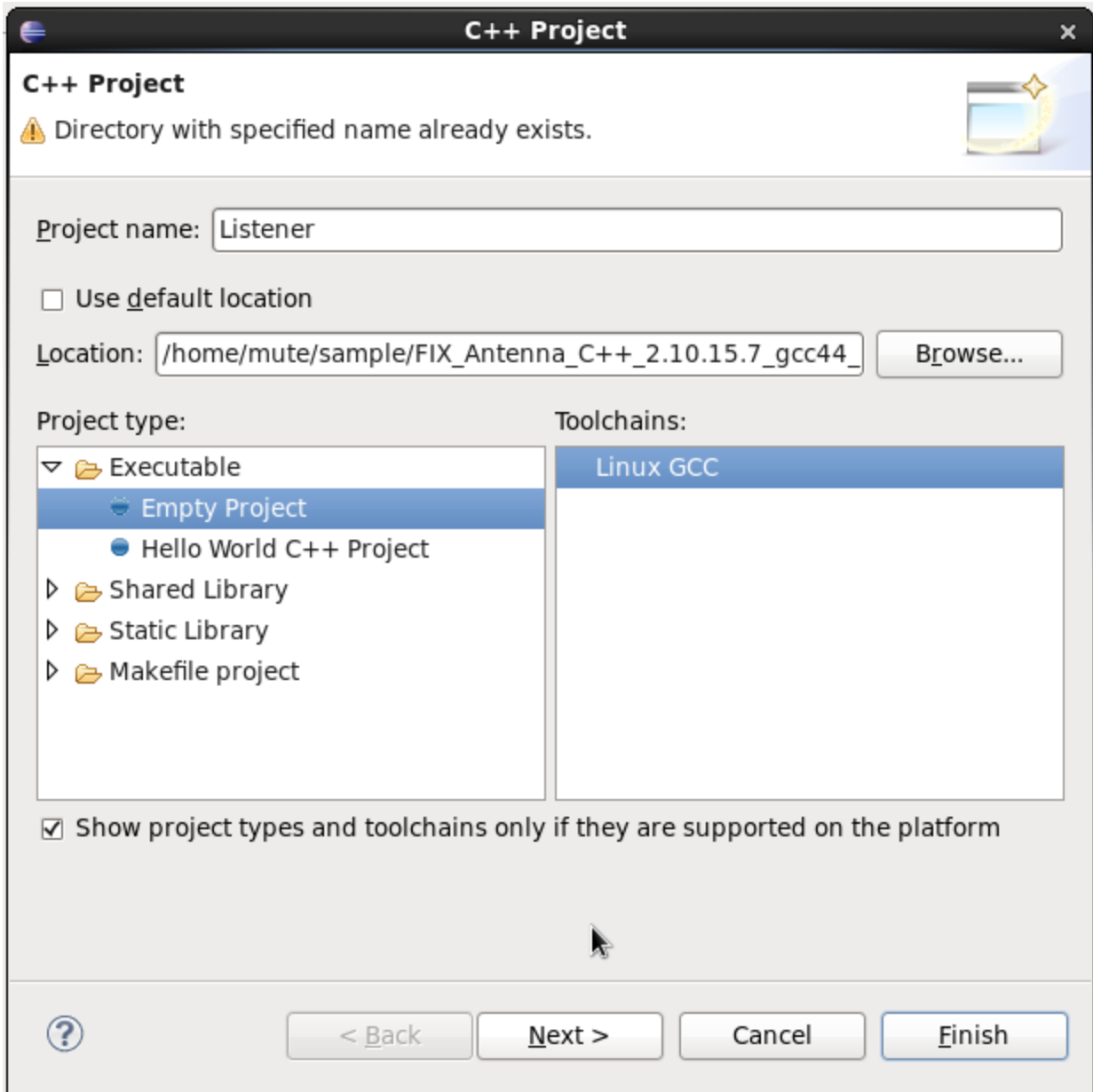
1. Assumptions:

- The workspace is located under the following path:



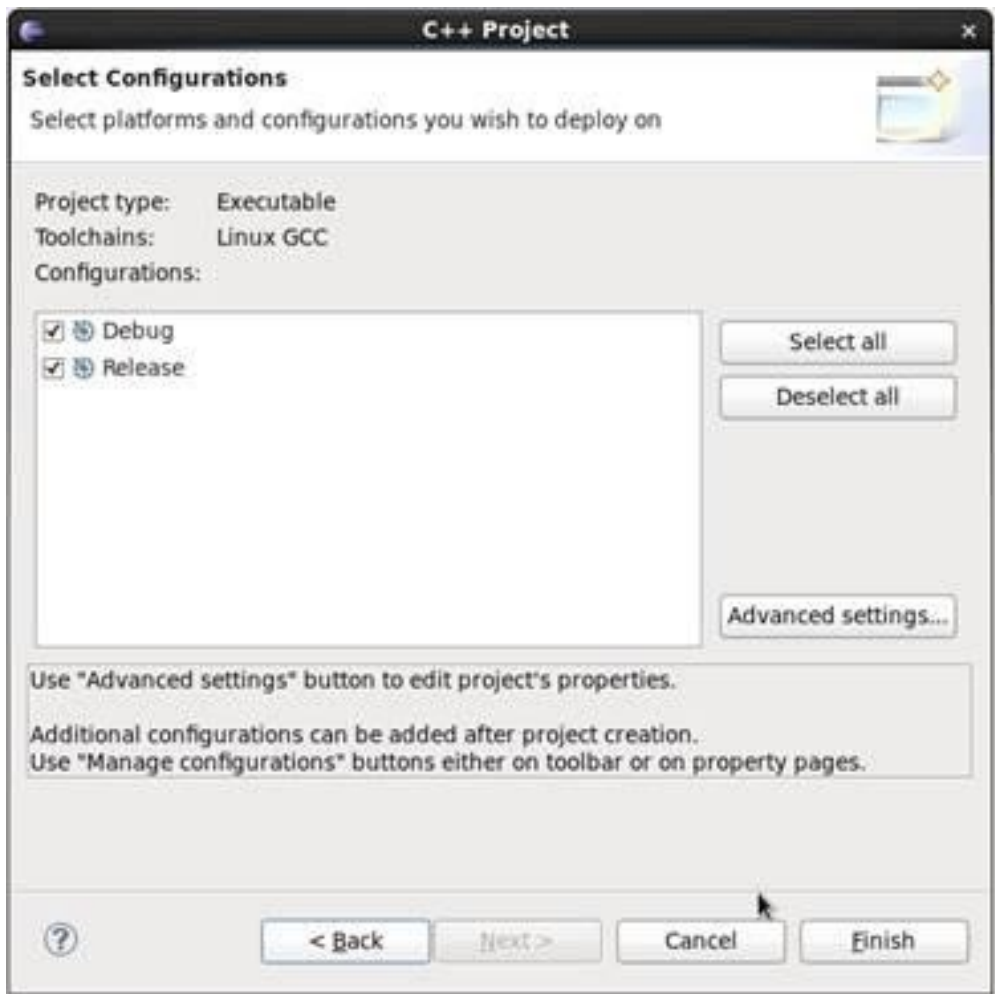
- [FIX Antenna distribution](#) is located in a directory above: /home/mute/sample/
- Xerces-c library is installed on the machine.

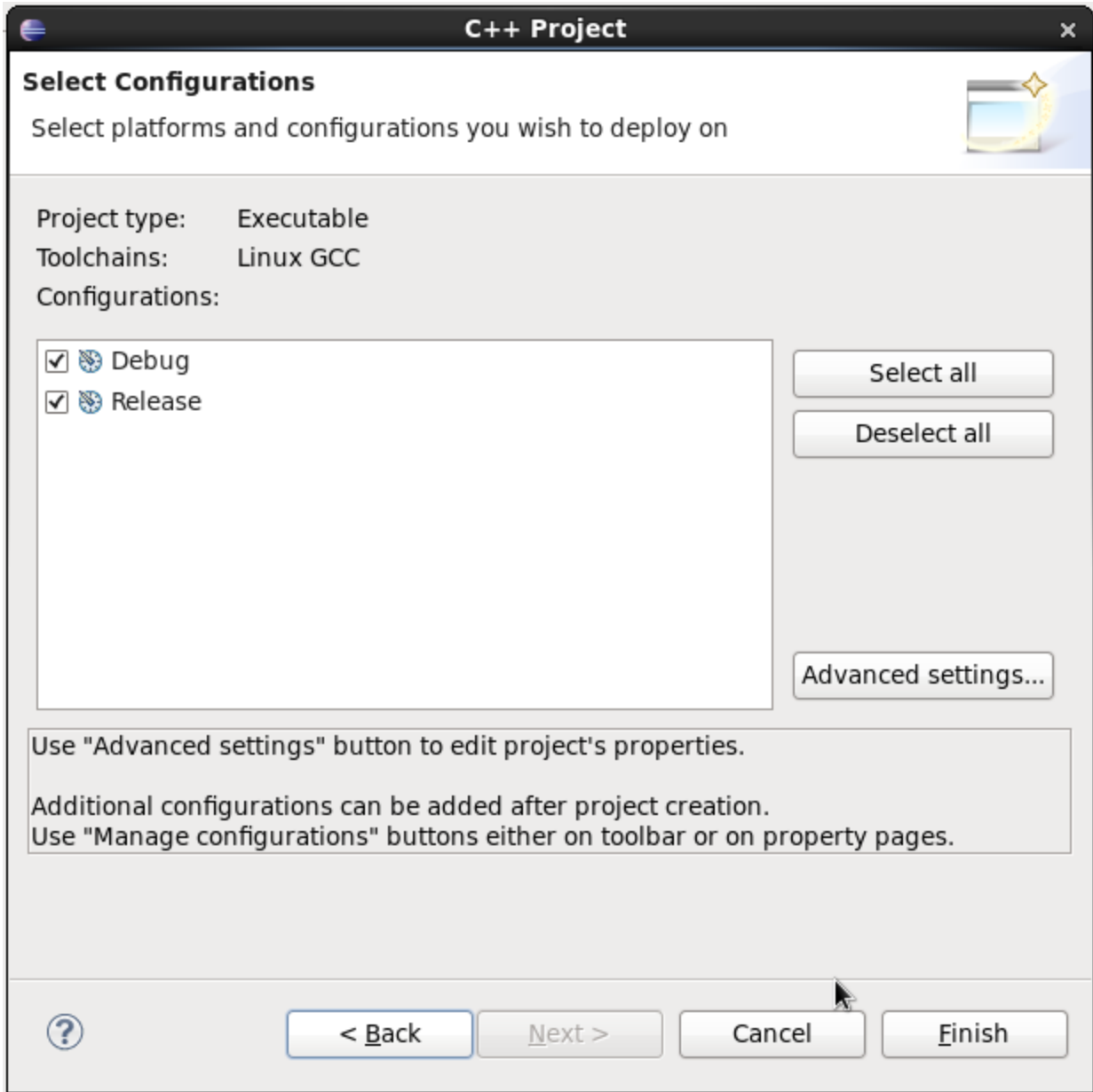
2. Add empty C++ project for each executable (for example for "Listener"):



Click "Next".

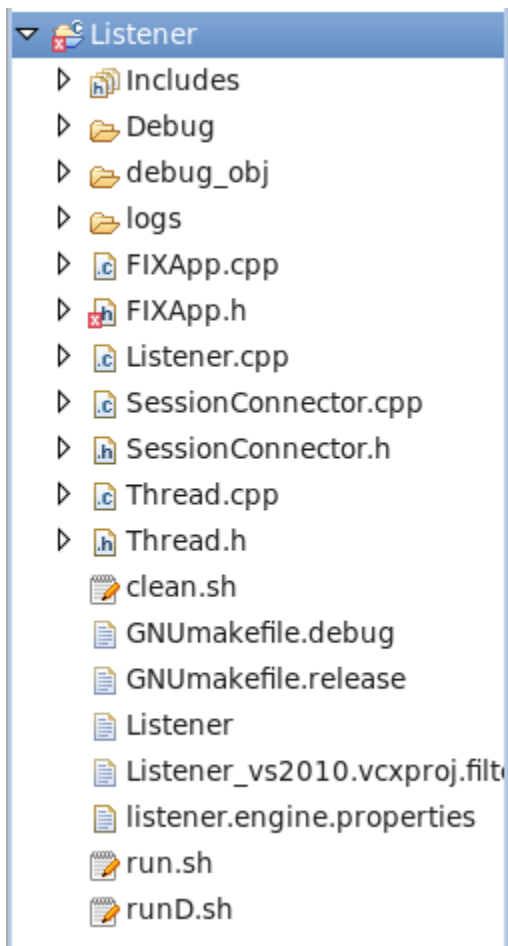
3. The following window will appear:



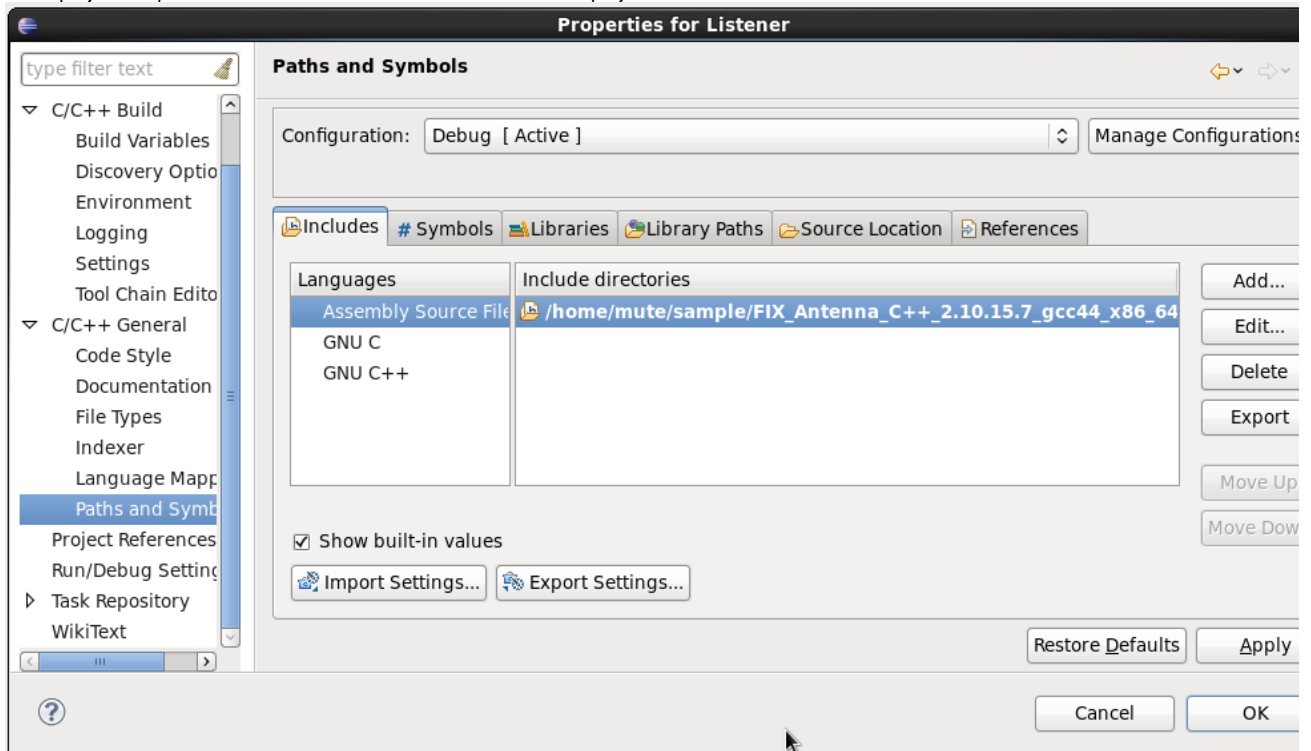


Click "Finish".

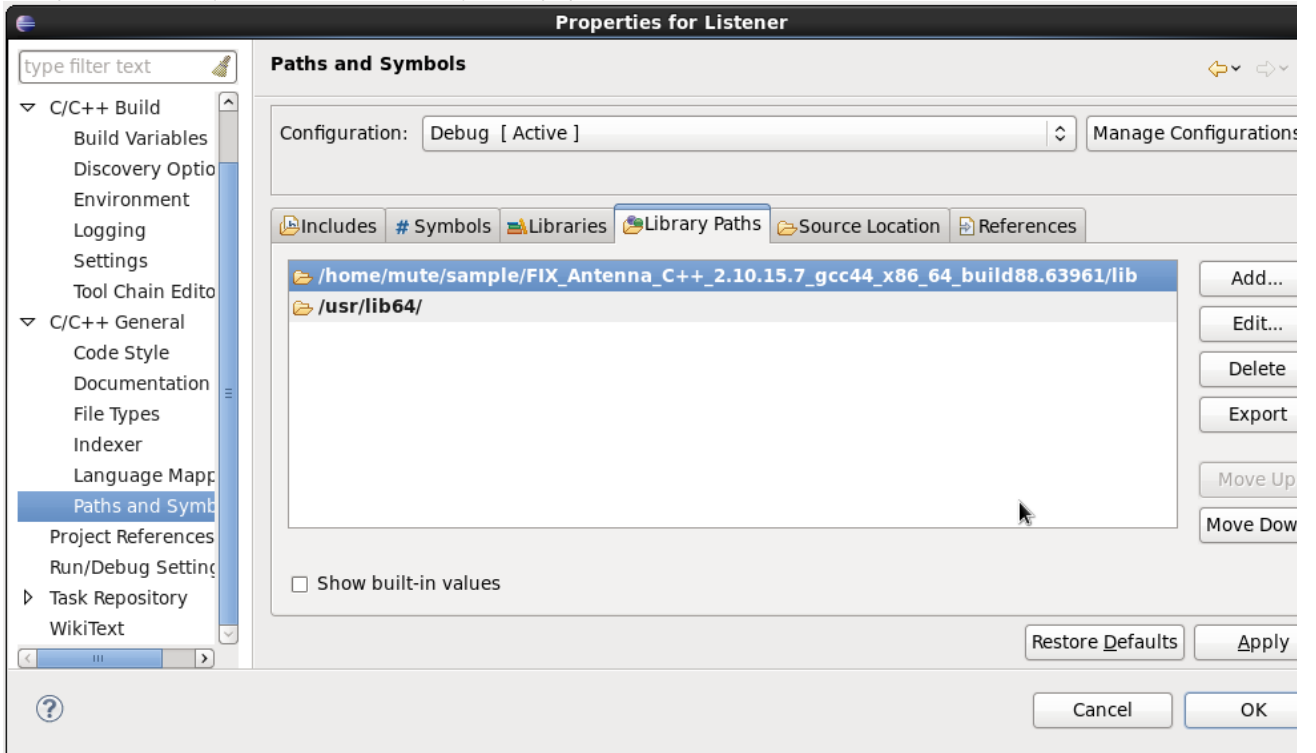
4. You should be able to see the project in projects explorer:



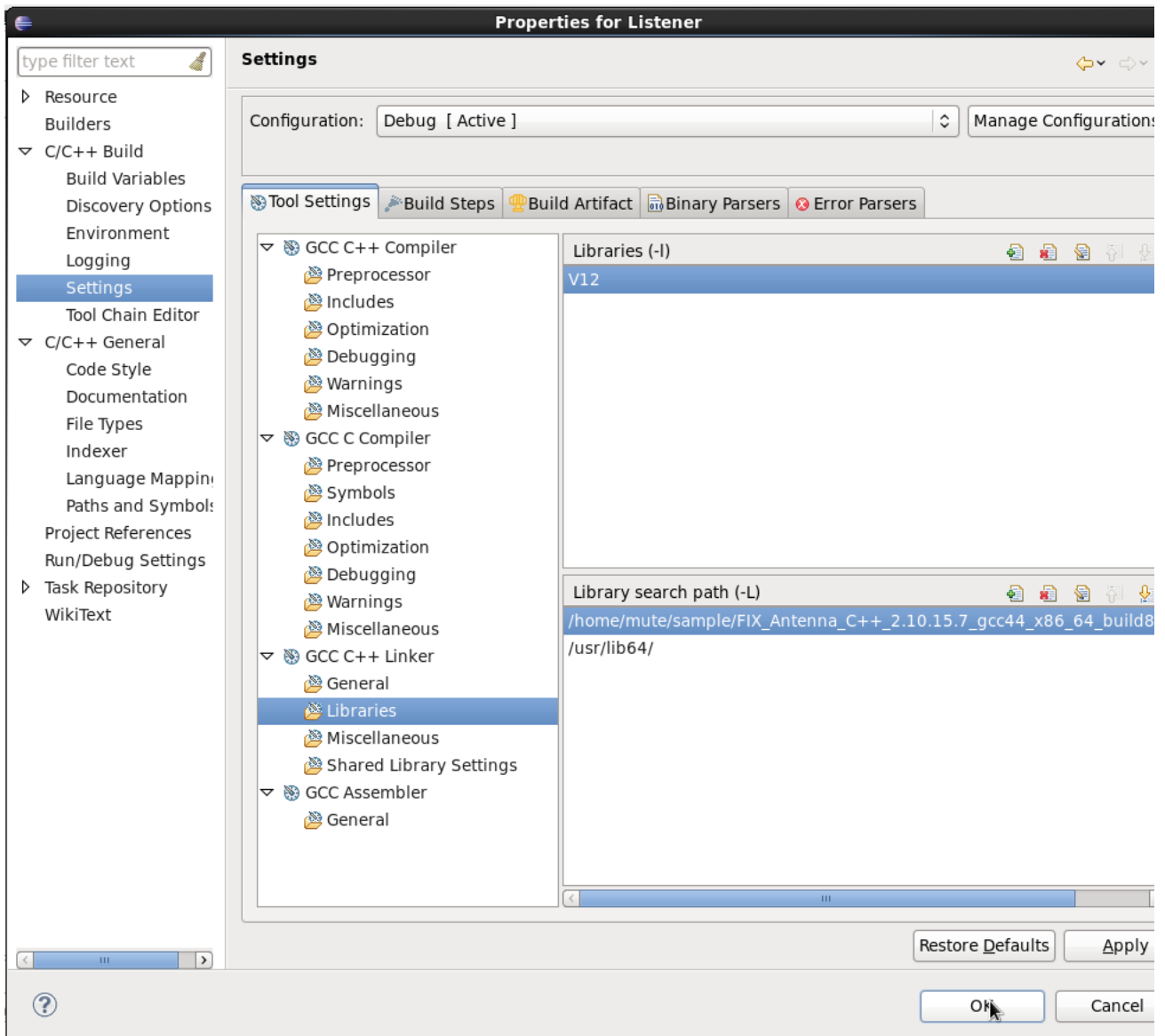
5. Add projects dependencies: Path to FixAntenna headers - for all projects



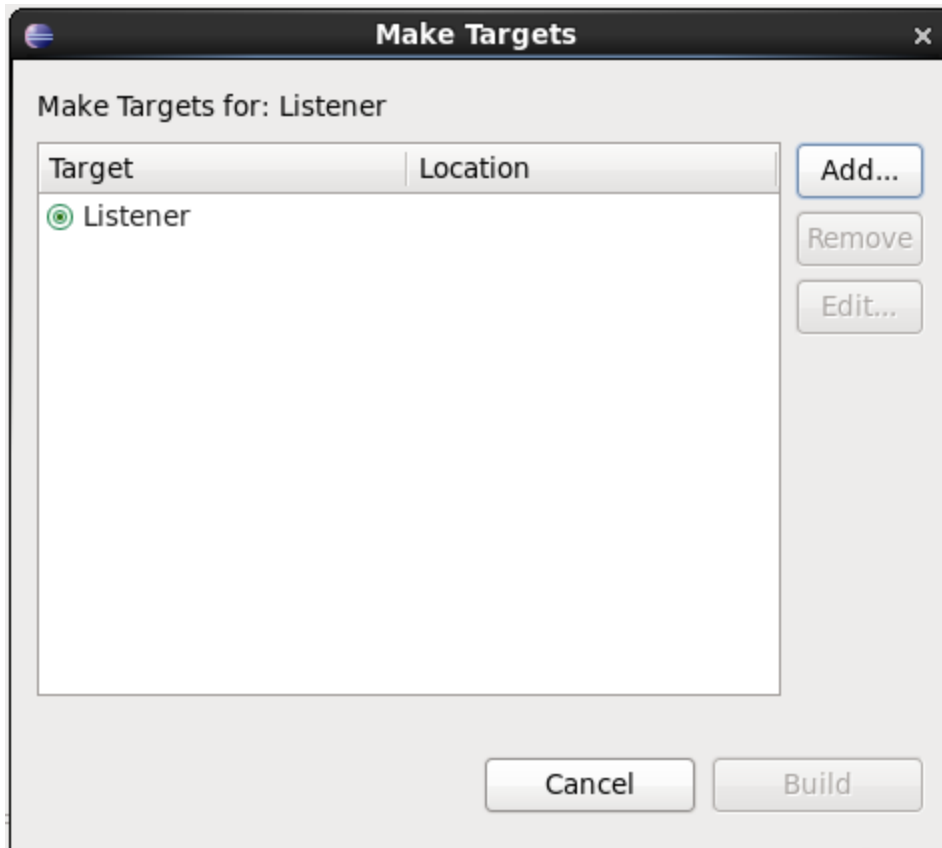
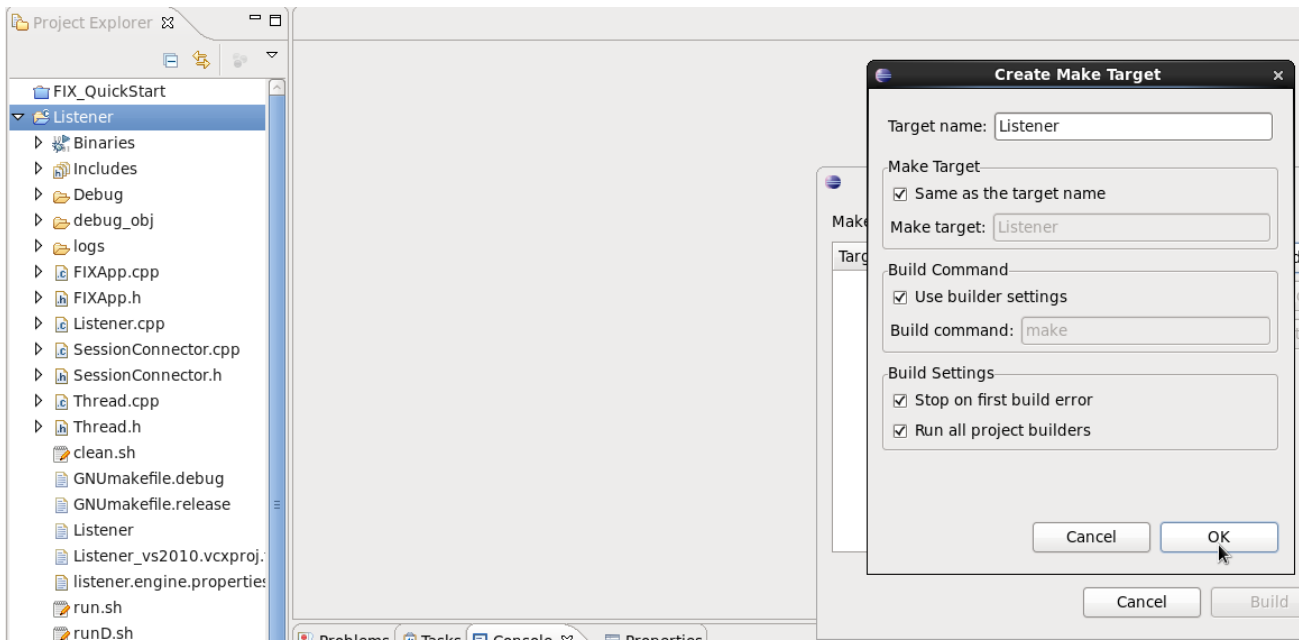
6. Add paths to libraries (both FixAntenna & xerces-c) - for all projects:



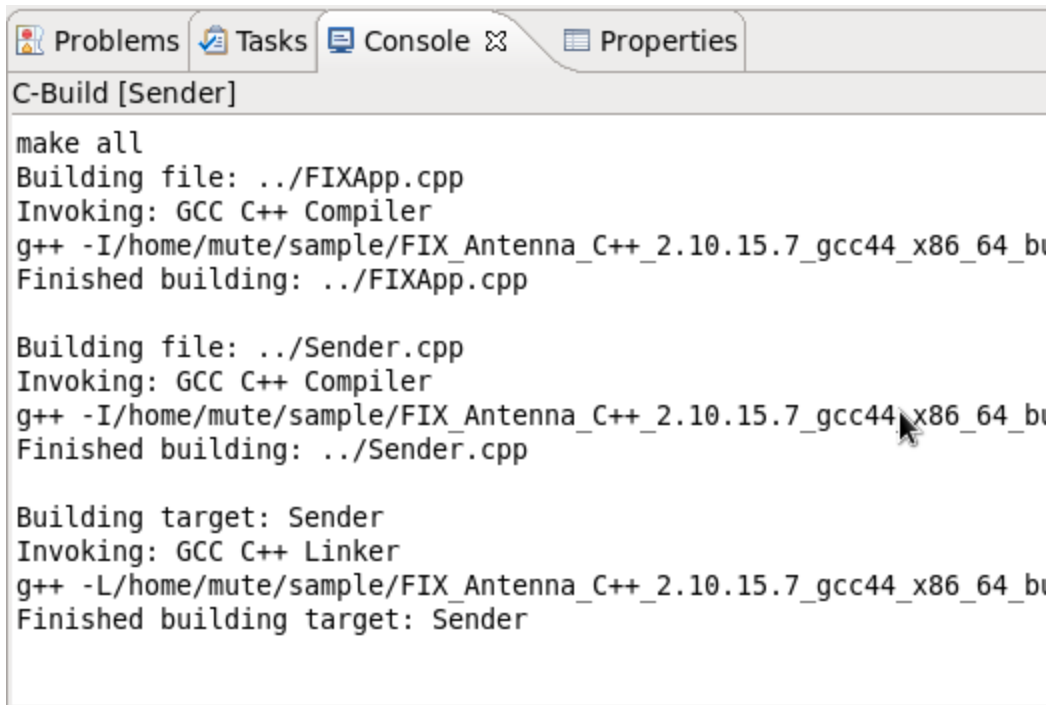
7. Add reference to FixAntenna library in linker settings tab sheet - for all projects:



8. Add build targets for all projects:



9. Build targets:

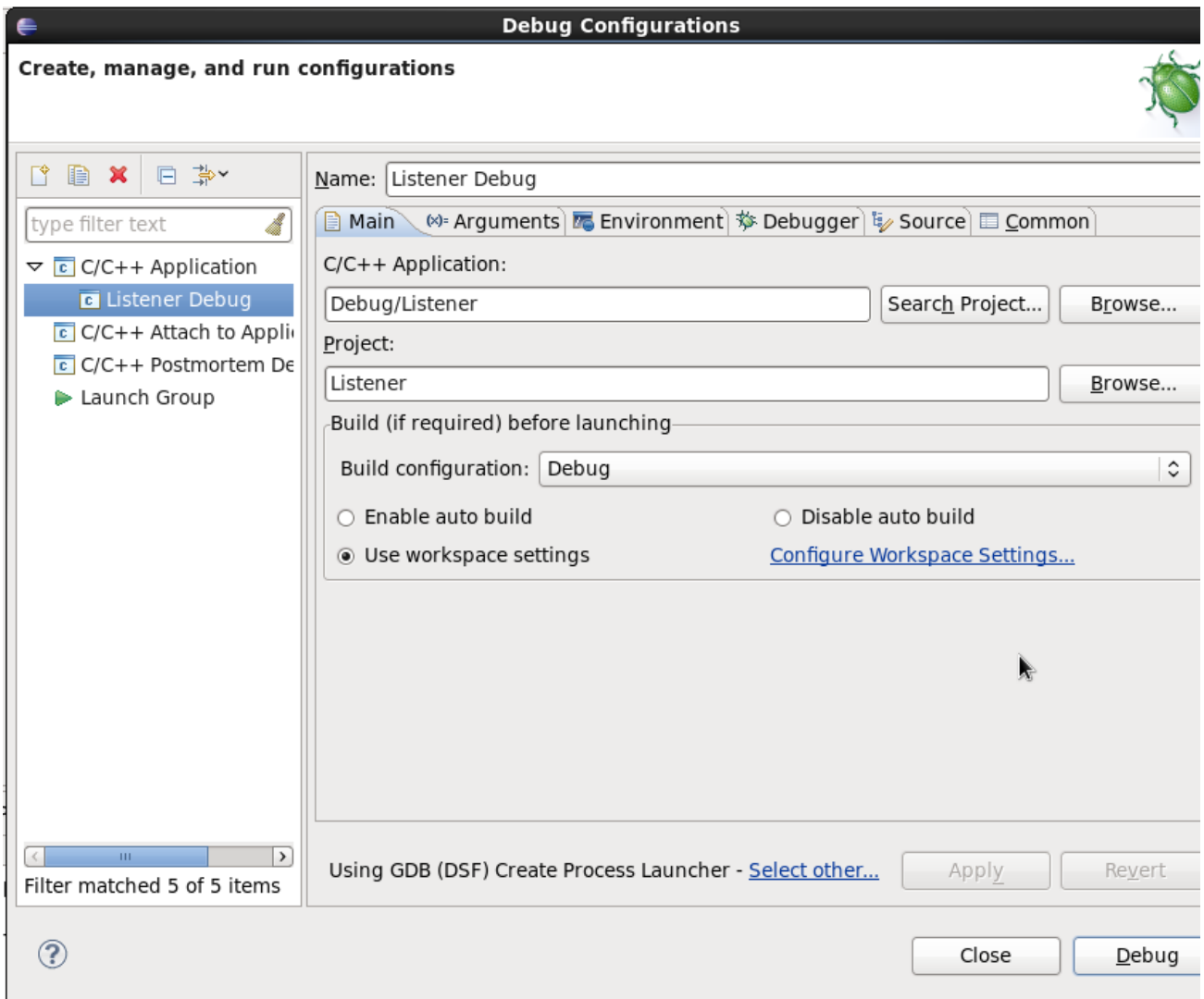


```
C-Build [Sender]
make all
Building file: ../FIXApp.cpp
Invoking: GCC C++ Compiler
g++ -I/home/mute/sample/FIX_Antenna_C++_2.10.15.7_gcc44_x86_64_bi
Finished building: ../FIXApp.cpp

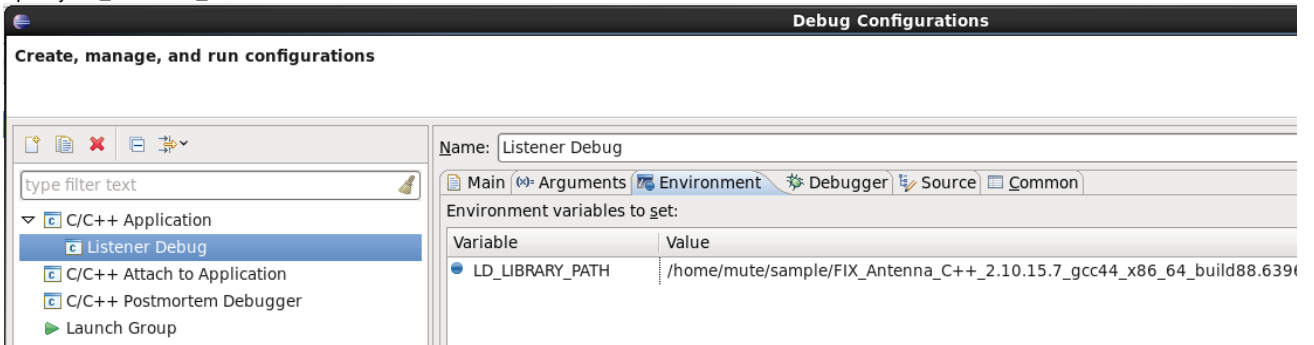
Building file: ../Sender.cpp
Invoking: GCC C++ Compiler
g++ -I/home/mute/sample/FIX_Antenna_C++_2.10.15.7_gcc44_x86_64_bi
Finished building: ../Sender.cpp

Building target: Sender
Invoking: GCC C++ Linker
g++ -L/home/mute/sample/FIX_Antenna_C++_2.10.15.7_gcc44_x86_64_bi
Finished building target: Sender
```

10. Create launch configurations for debug - for all projects:



Specify LD_LIBRARY_PATH under the "Environment" tab-sheet :



11. Apply changes and click "Debug". Eclipse should switch into "Debug" perspective and show debugger tracing:

Applications Places System

Debug - Listener/Listener.cpp - Ec

File Edit Source Refactor Navigate Search Run Project Window Help

Debug

Listener Debug [C/C++ Application]

- /home/mute/sample/FIX_Antenna_C++_2.10.15.7_gcc44_x86_64_build88.63961/samples/FIX_QuickStart/Listener/Debug/Listener
 - Thread [1] 21339 (Suspended : Breakpoint)
 - main() at Listener.cpp:81 0x408432
 - gdb
 - Listener

Variables

Name

Listener.cpp

```
};  
  
int main()  
{  
    cout << "starting FIX Listener..." << endl;
```