Creating and using a static library in eclipse

The details of setting up a static library in eclipse and using it in a test project.
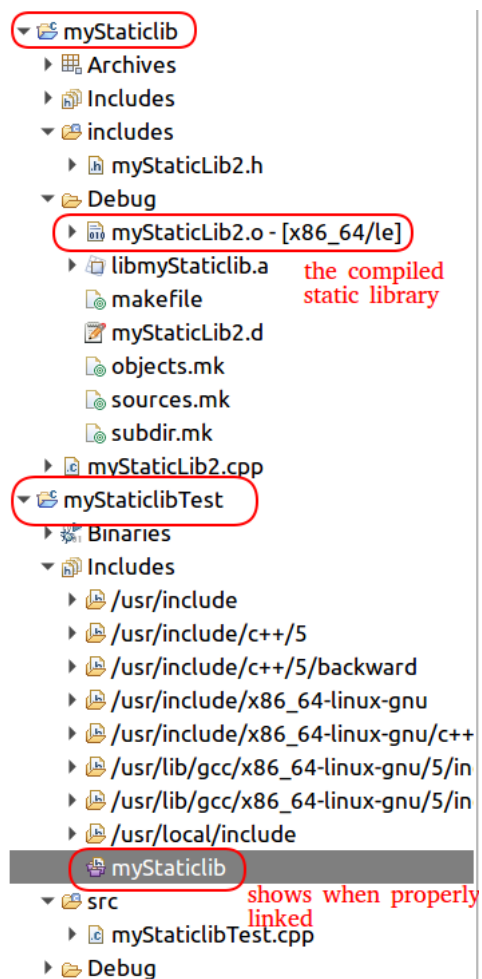
Projects Created:
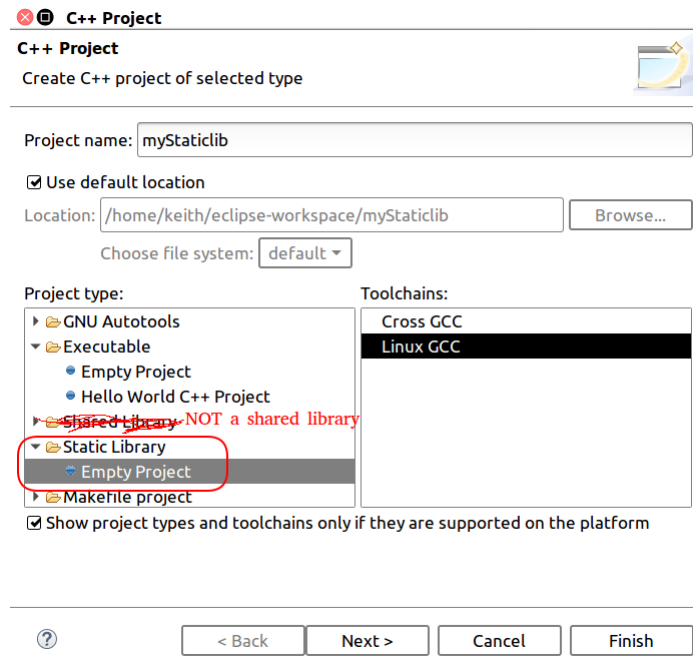
myStaticlib
myStaticLibTest

Completed Eclipse Directory Structure

Here is how eclipse's directory structure will look when done

Create The Static library project (myStaticlib)
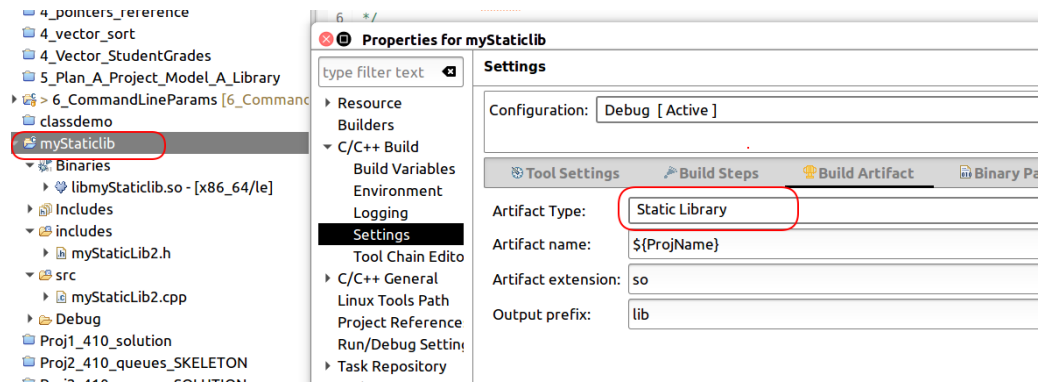
1. Create static library project.

2. Add a src folder to the project (not a plain folder)
3. Add a cpp and corresponding .h file. Add a function (no main()) to this library in both the cpp and header. For instance;

4. Compile it. The library will have the prefix 'lib'. You can look at its properties to verify that it's a static library (select project, Properties, then in the following UI)


# Create a test project that uses the static library (myStaticLibTest)

5. Create a regular project.
6. Click on your regular project, then properties, then C/C++ General, Paths and Symbols, then the Libraries tab(see the illustration below).
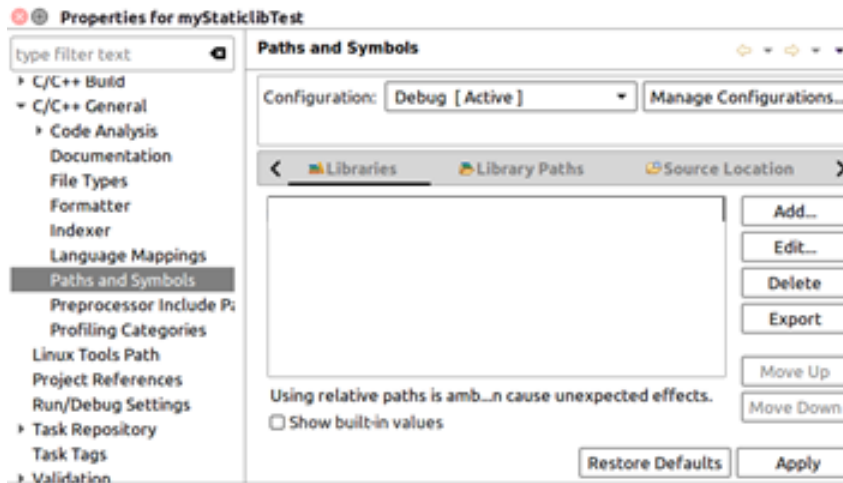
7. Choose tab the reference tab (the rightmost one) and add a reference to the library you want to link to this application. ==Be sure to click the Apply button to save your changes==
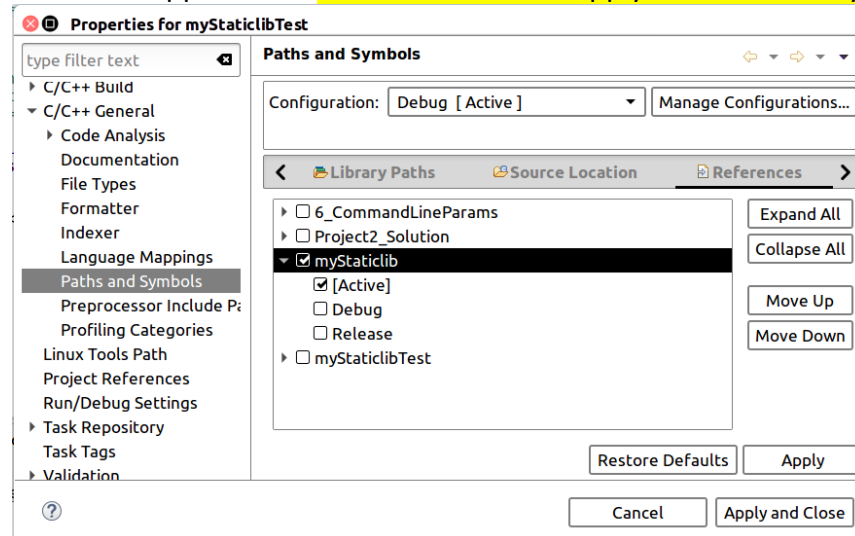
8. At this point your lib should appear in the includes directory of your project.
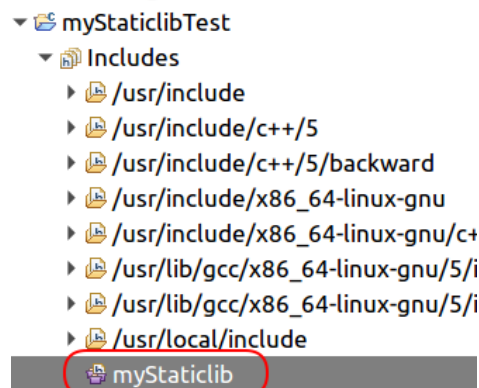
9. Include the libraries header in the test file. If you did not do step 7 correctly, this will not work. And add a call to the library function.