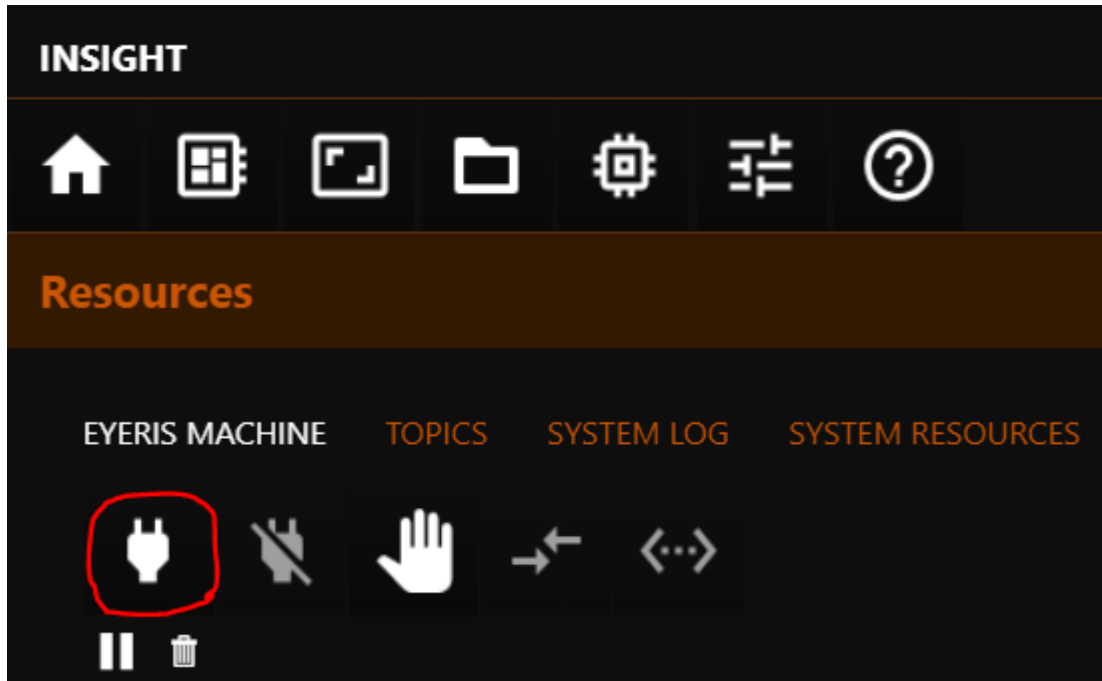


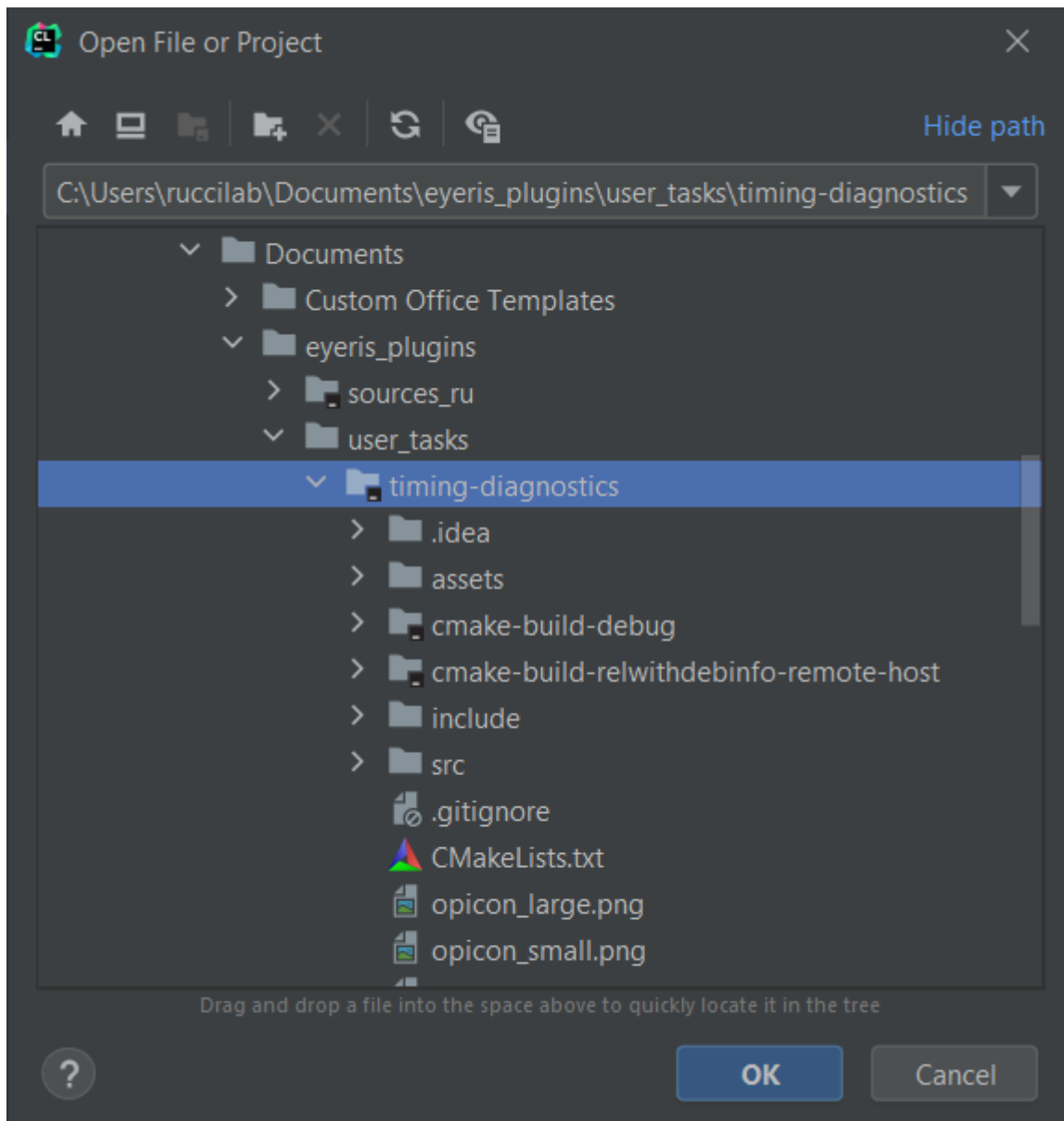
Remote Buiding Instructions

Remote building allows users to build an application from a remote device using the host's toolchain (i.e. compiler, libraries, binaries). The following steps assume that you are logged into the *Insight* machine.

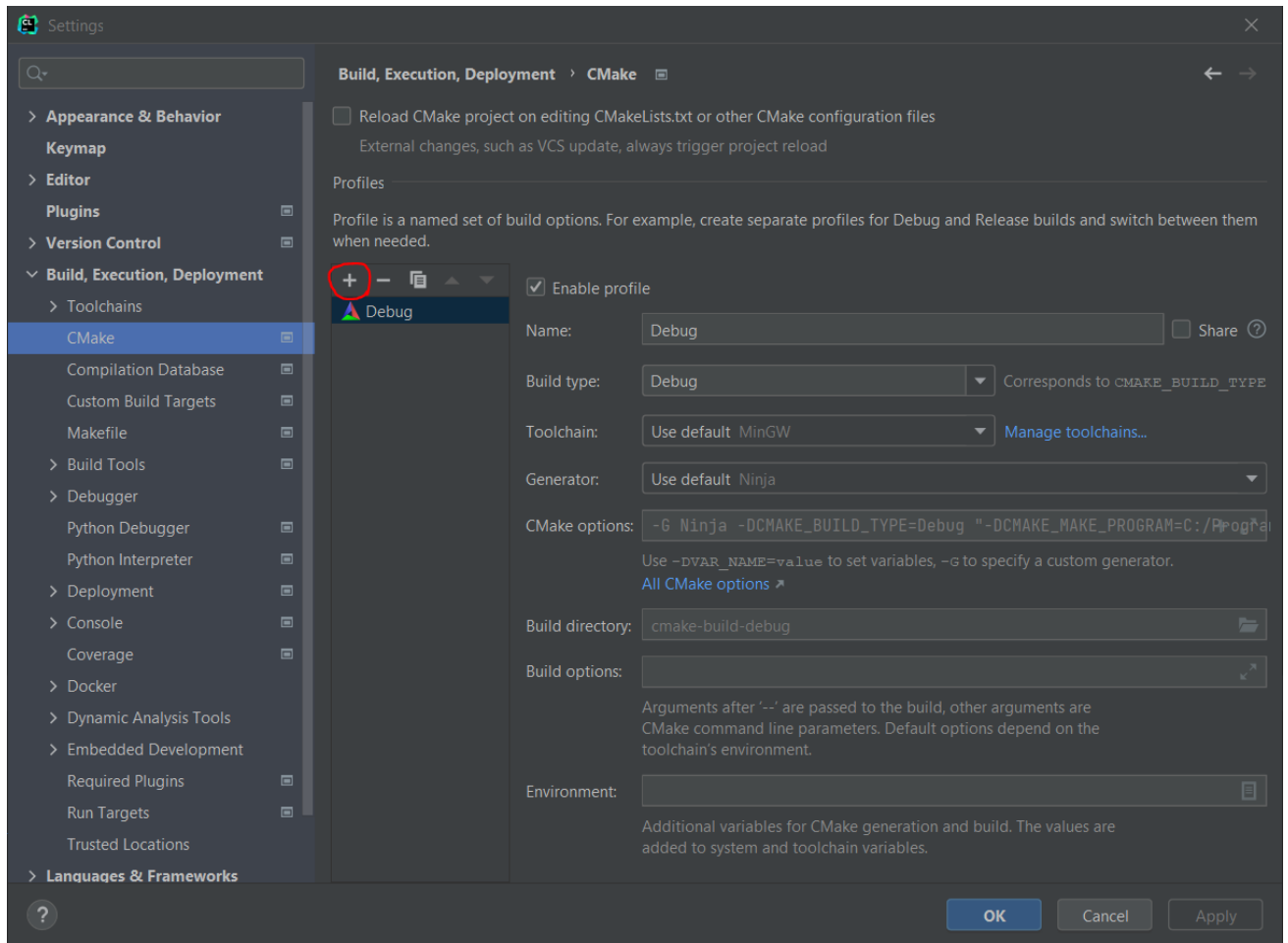
1. Turn on `EyeRIS` using the the plug icon, which can be found in Insight on the `Resources > EYERIS MACHINE` tab



2. Clone your experiment code repository in a suitable place
 - i.e. `%homedrive%%homepath%\Documents\eyeris_plugins\user_tasks` for windows
3. Open CLion Application
4. Open your project's root folder



5. Open settings by navigating to `File > Settings...` or pressing `Ctrl + Alt + S`
6. Navigate to `Build, Execution, Deployment > CMake`
 1. Click the `+` icon to add a new CMake build profile
 2. Set the **Build Type** to `RelWithDebInfo`
 - This will automatically change the *Name* field
 3. Set the **Toolchain** to `Remote Host`
 4. Optionally, you may remove the default Debug profile by selecting it and clicking the `-` icon
 5. Click `Apply`



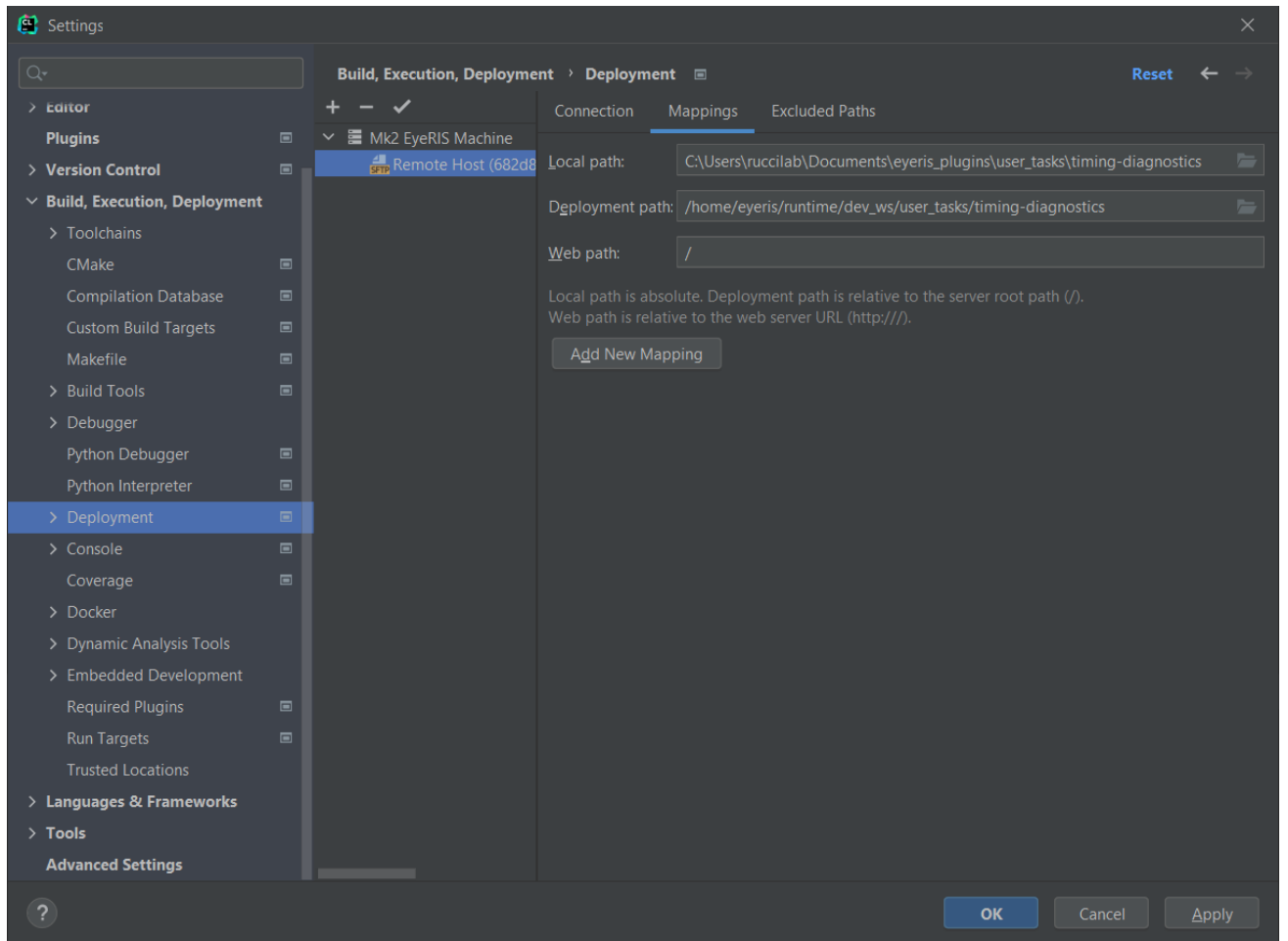
7. Navitage to Build, Execution, Deployment > Deployment

1. Select the first Remote Host under Mk2 EyeRIS Machine
2. Select the Mappings tab
3. Change the **Deployment path** to the directory in which your project will be copied to on the EyeRIS machine

This directory is: /home/eyeris/runtime/dev_ws/user_tasks/<name of you project\>

If there is NOT already a folder with this name, create one using the path selection UI.

4. Click



8. Click the green hammer in the top bar to build your project