How to build binaries for NI Linux RT *in-situ*

The Linux RT system needs access to the internet for installation steps:

Install g++ & make. Using ssh you can run the following commands

* opkg update
* opkg install g++ g++-symlinks

Copy the ModuleManager and vclient folders to your Linux RT device’s filesystem. This guide was tested by putting them under/home/admin but any other folder should be fine.

Navigate to the vclient/vclient folder and run the build (make sure the folder you are in has a file named makefile)

* make

Navigate to the ModuleManager/ModuleManager folder and run the build (make sure the folder you are in has a file named makefile)

* make

Copy the two .so files back to the windows project in Vires VTD Custom Device\Vires VTD\Libraries as they will be deployed at the same time as the Veristand project.

You should then rebuild the custom device in LabVIEW to complete the custom device install process.