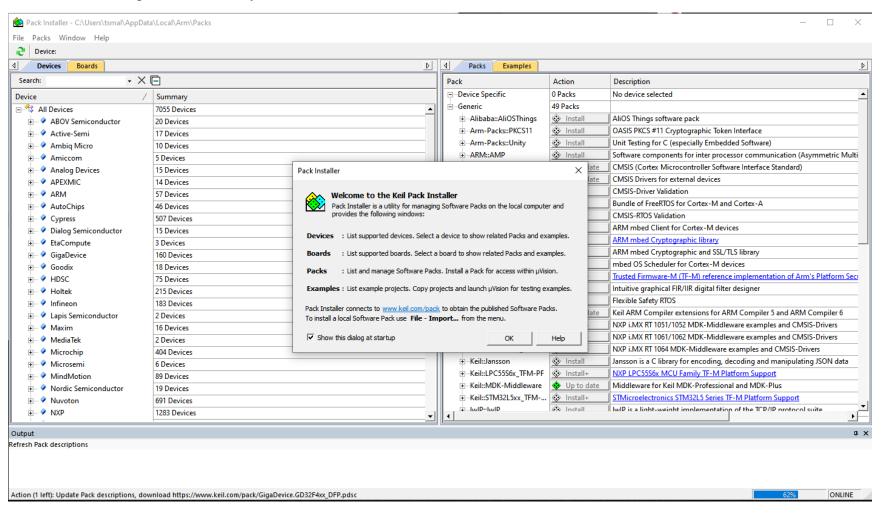
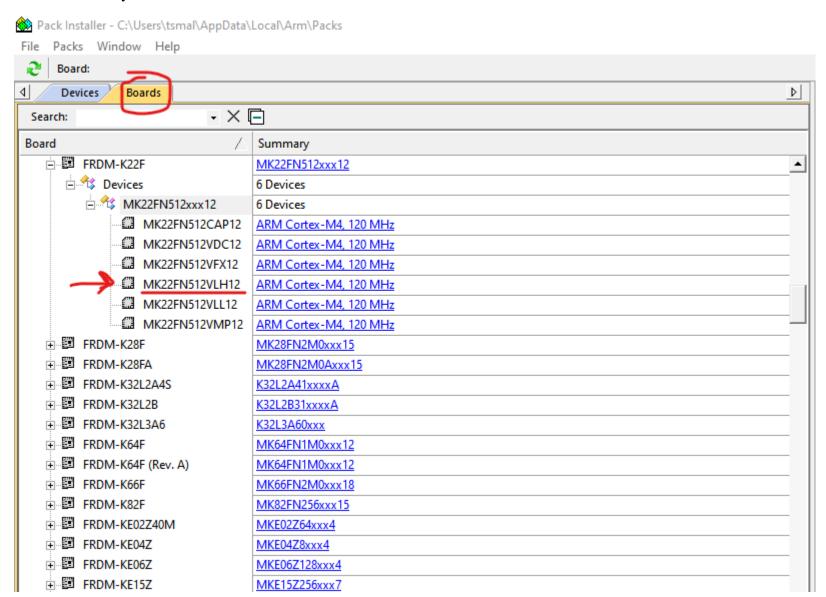
1. Download Keil MDK-ARM software (v5.31 as of 1 Sept 2020) at https://www.keil.com/demo/eval/arm.htm#/DOWNLOAD

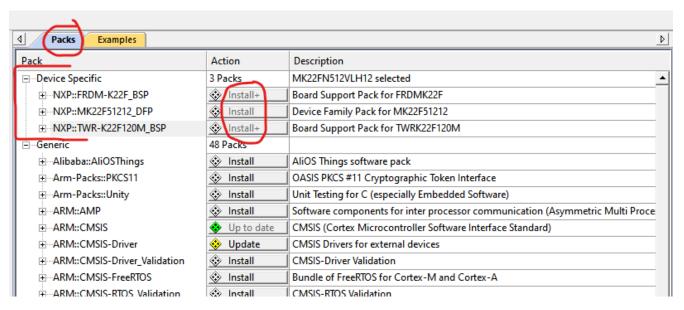
- 2. Run .exe file that downloads and go through default setup
- 3. "Pack Installer" opens automatically after download



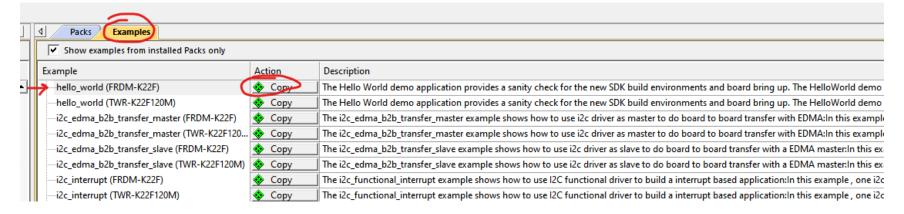
4. Select board by: Board tab > FRDM-K22F > MK22FN512xxx12 > MK22FN512VLH12



5. The "Device Specific" packs should appear in "Packs" tab. Install all of them



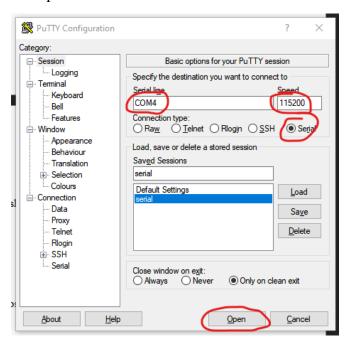
- 6. Under the "Action" column, update any packs you already have installed that have updates
- 7. Go to "Examples" column. Scroll down to hello world example and click "Copy"



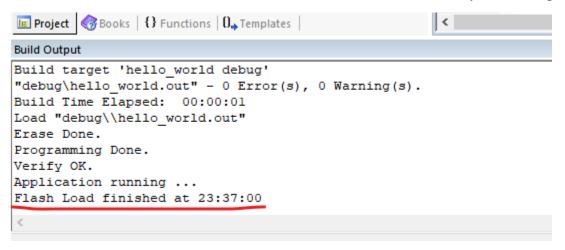
- 8. This should open in Keil uVision5 IDE
- 9. Project > Options for Target ... > Utilities > under "Use Target Driver for Flash Programming" click on "Settings" > Flash Download > Add > Add "MKxxN 512kB Prog Flash"
- 10. Project > Build Target. This should only take a second to build
- 11. At this point... install PuTTY if not already installed

https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

- 12. Connect Freescale dev board to PC through USB. Use the USB connector closer to the corner of the board (this one is for power/debug)
- 13. Go to windows start menu > device manager > Ports > see which port the "mbed" device is using
- 14. Open PuTTY session



15. In Keil IDE: Flash > Download (this should take a few seconds and you'll see a progress bar at the bottom)



16. magic

