ECE/CSE 474:
Intro to Embedded Systems

Installation of IAR Workbench (Windows)

IAR Embedded Workbench

IAR Embedded Workbench is a capable IDE for embedded development, and it is what we will be using in this course. Instructions for installing it on your personal computer can be found in the Files page on Canvas.

- IAR Workbench only supports Windows. If you're using Linux or Mac OS, and you can't get access to a Windows PC, you'll want to do one of the following:
  - o Use Remote Desktop, Virtual Machine, or dual-boot your pc. For Mac users, you can look at the tutorial document "UsingWindowsOnMac". Linux users will have to do a little more research. The best method by far is dual-booting your pc, but this takes a good amount of memory.
  - o You could also use another IDE that supports the TM4C1294XL. Note, however, that the course content anticipates the use of IAR Workbench: you will be on your own for figuring out how the alternative IDE works.
    - ▪ Code-Composer Studio, CCS, is a great alternative IDE to IAR Workbench, and it works on Linux, Mac, and Windows.
- The free version of the IAR Workbench that you will be using limits your code size to 32 KB. This, however, should not be an issue for the assignments in this course.

Installation instructions of IAR workbench for ARM version 8.11.3 on PC

1. Go to the following link and download setup.exe. Note that it is approximately 1 GB in size.
   https://drive.google.com/open?id=1eSkRwsRgewLcwhbmVMRJ5P6l-ga3NL8L
2. Run setup.exe and follow the installation wizard. It's recommended to install the software on your C drive. **Make sure that you UNCHECK the "Dongle drivers" in the "USB Driver Installation" window.**
3. The installation will take a few minutes, depending on your machine.
4. After the installation is done, leave "Launch IAR Embedded Workbench for ARM" checked and click Finish.
5. In addition to the IAR workbench launching, you will notice several windows popping up asking to install device driver software. Click install and/or follow the installation wizards for these windows.
6. When IAR workbench launches, the license manager will ask for a license number. Choose "Register with IAR Systems to get an evaluation license" and click next. Click "Register" on the next window.
7. You will be taken to an IAR registration page. Choose the "code size limited" option and fill out the registration form.

8. After completing the registration form, an email will be sent to you to confirm registration. Follow the link provided in the email. You will be taken to a page that says "Registration Complete" and includes a license number. Copy this license number to the license wizard window and click next to activate the license.