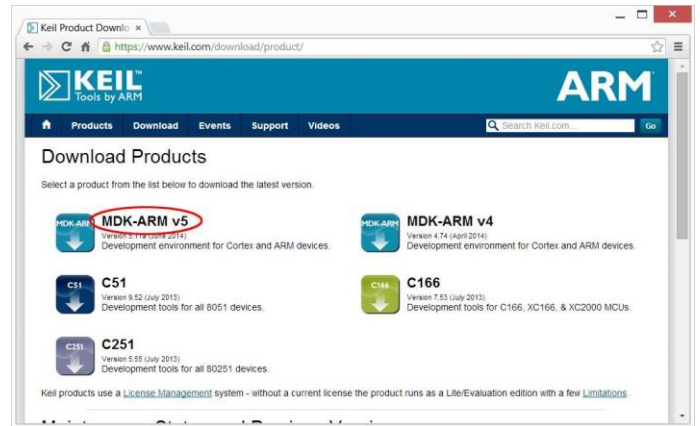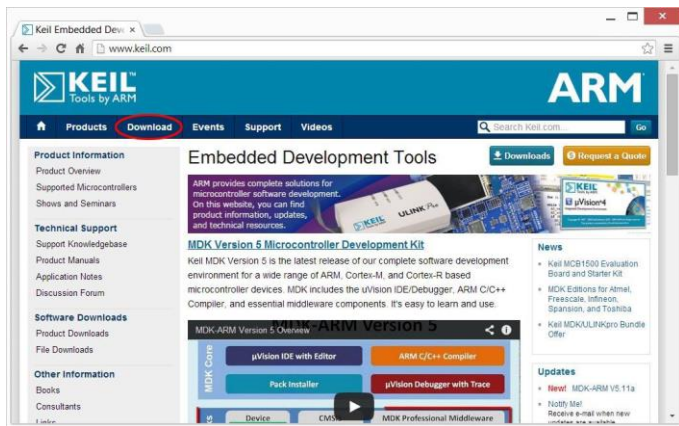# Keil uVision Installation

Initial Tool Setup

The following steps demonstrate how to set up the Keil Microcontroller Development Kit (MDK) on the FRDM-KL25Z. The MDK installation will build the software development environment μVision on your laptop.

Step 1: From the KEIL website (registration required), download and install KEIL MDK-ARM μVision. Note the free MDK-ARM Lite is sufficient for the lab. (https://www.keil.com/demo/eval/arm.htm)
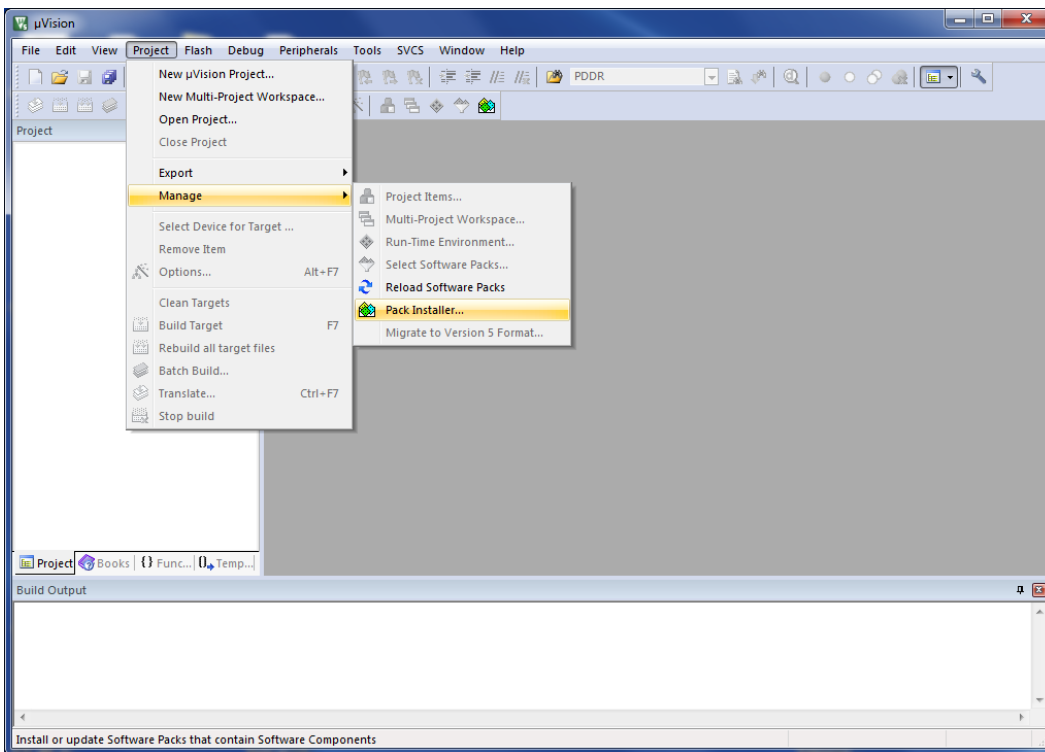

OR

Download MDK5.25 and MDKCM525 files from the google drive below.

https://drive.google.com/drive/folders/1hiDVF1YjEy_P-gIkCUmoaadX30VUqkG_?usp=sharing
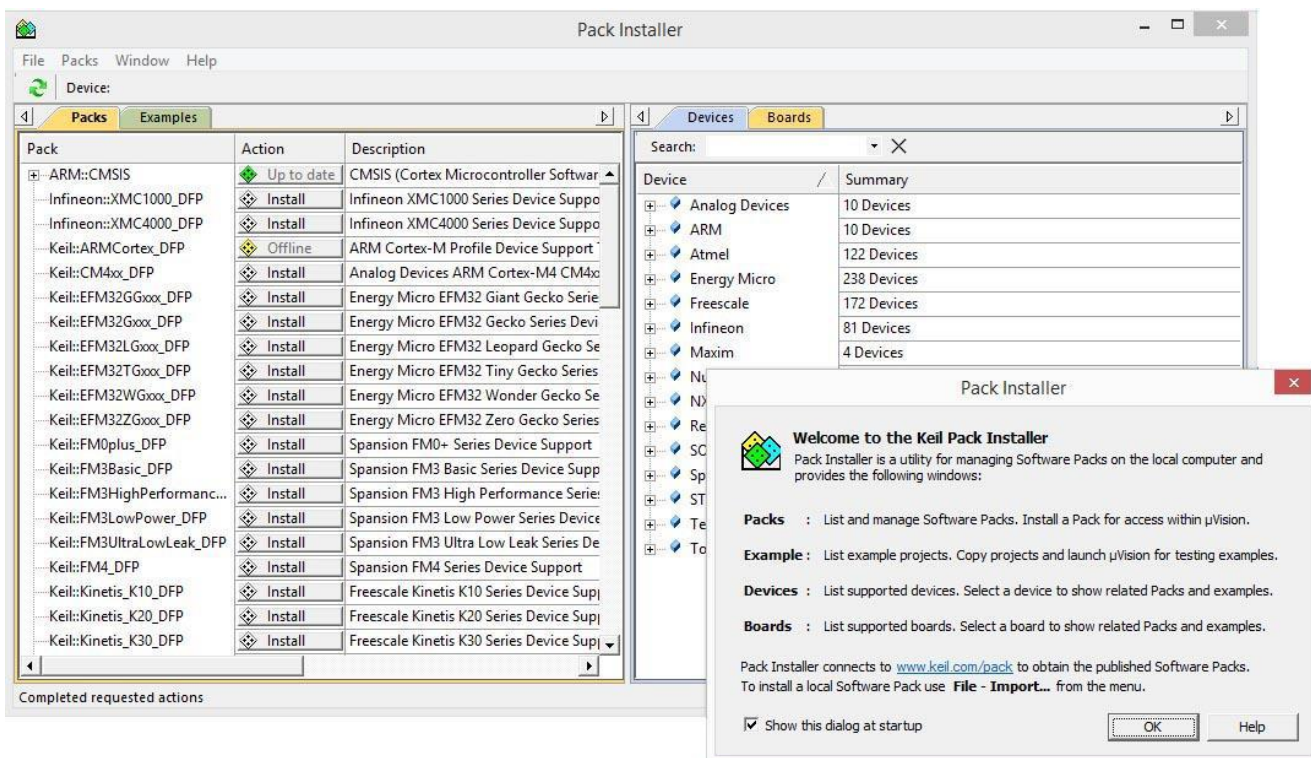
Installation of MDK v5

Step 2: Run **mdk525.exe** and then run **mdkcm525** to complete installation.

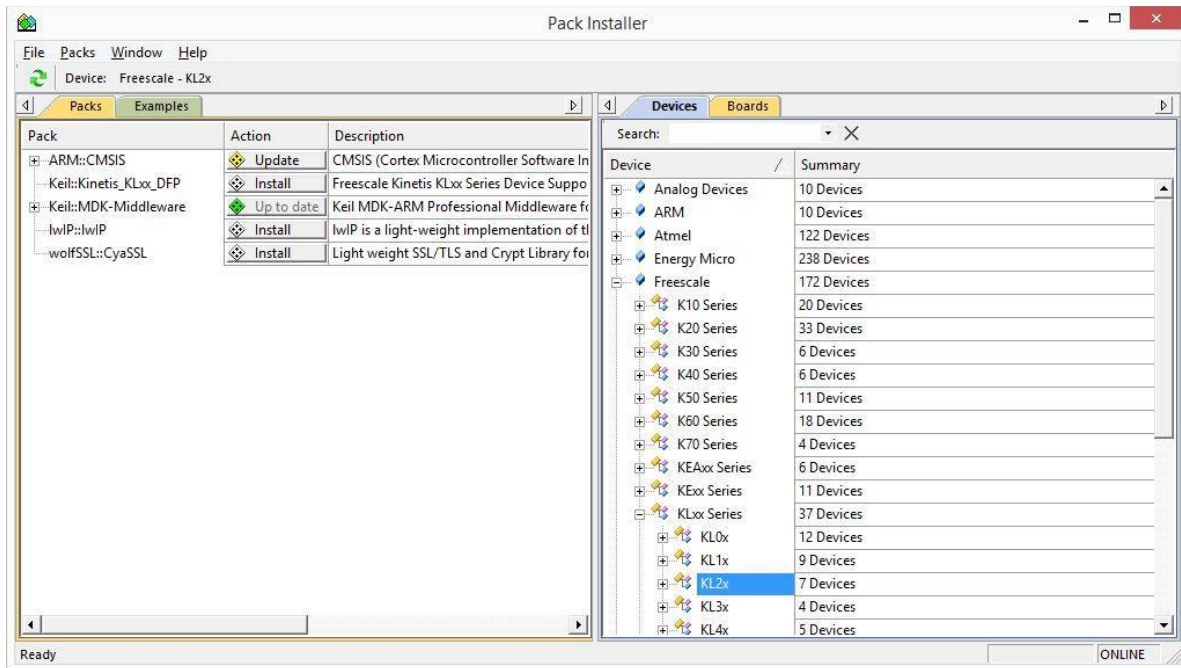**Step 3:** Open μVision as shown below. Select Project >>> Manage >>> Pack Installer…
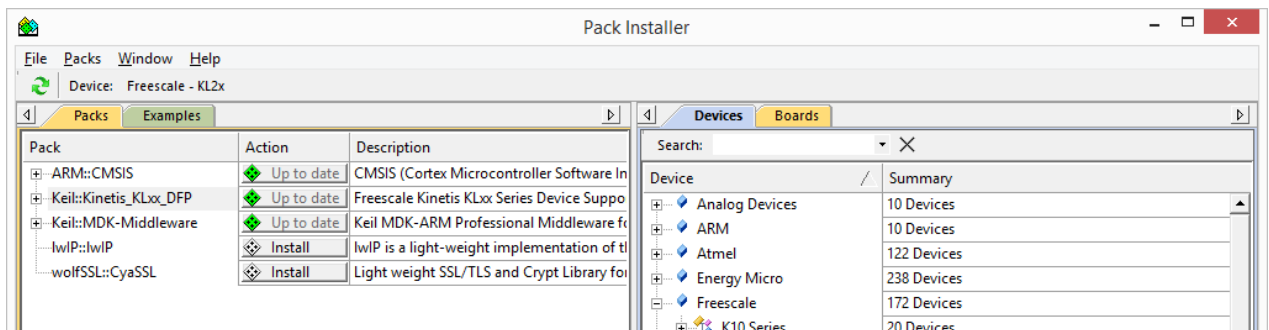
Running Pack Installer

Step 4: In Pack Installer, search for MKL25Z128 under Devices. Hit Install on the pack called Keil::Kinetis_KLxx_DFP.

To install a Device Family Pack, you need to select one of the devices or boards on the right panel of the Pack Installer. The required pack(s) to support your device/board selection will appear on the left panel. For example, if you plan to use Freescale FRDM-KL25Z board, drill down the Device list to Freescale->KLxx Series->KL2x. The required and optional packs appear on the left panel Packs tab.

A yellow diamond in Action column (such as ARM::CMSIS) indicates the pack is installed but an update is available. A green diamond (Keil::MDK::Middleware) indicates the pack is current. A grey diamond (Keil::kinetis_KLxx_DFP) shows that the device pack is available for download. The light-weight IP and light-weight SSL are optional. Click on the Update button for CMSIS and Install button for KLxx_DFP to download and install these packs. The packs are downloaded from Keil website and built locally. It takes several minutes depending on the computer and Internet speed. When the pack installations are complete, the diamond in the button will turn green.

Now you have the Device Support Pack installed, you are ready to start a new software project.