BIRZEIT UNIVERSITY

ENCS4110 - Computer Design LAB

Keil uVision5 Installation

To install Keil uVision5 on your device, please follow this tutorial step by step:

A. Download Process:

To download it from ARM KEIL official website:

1. Click on the following link, so you can go to the official site of **ARM KEIL:**

   https://www.keil.com/

2. To download the **ARM KEIL** program, you can click on the **Downloads** button, as Figure 1(a) shows:

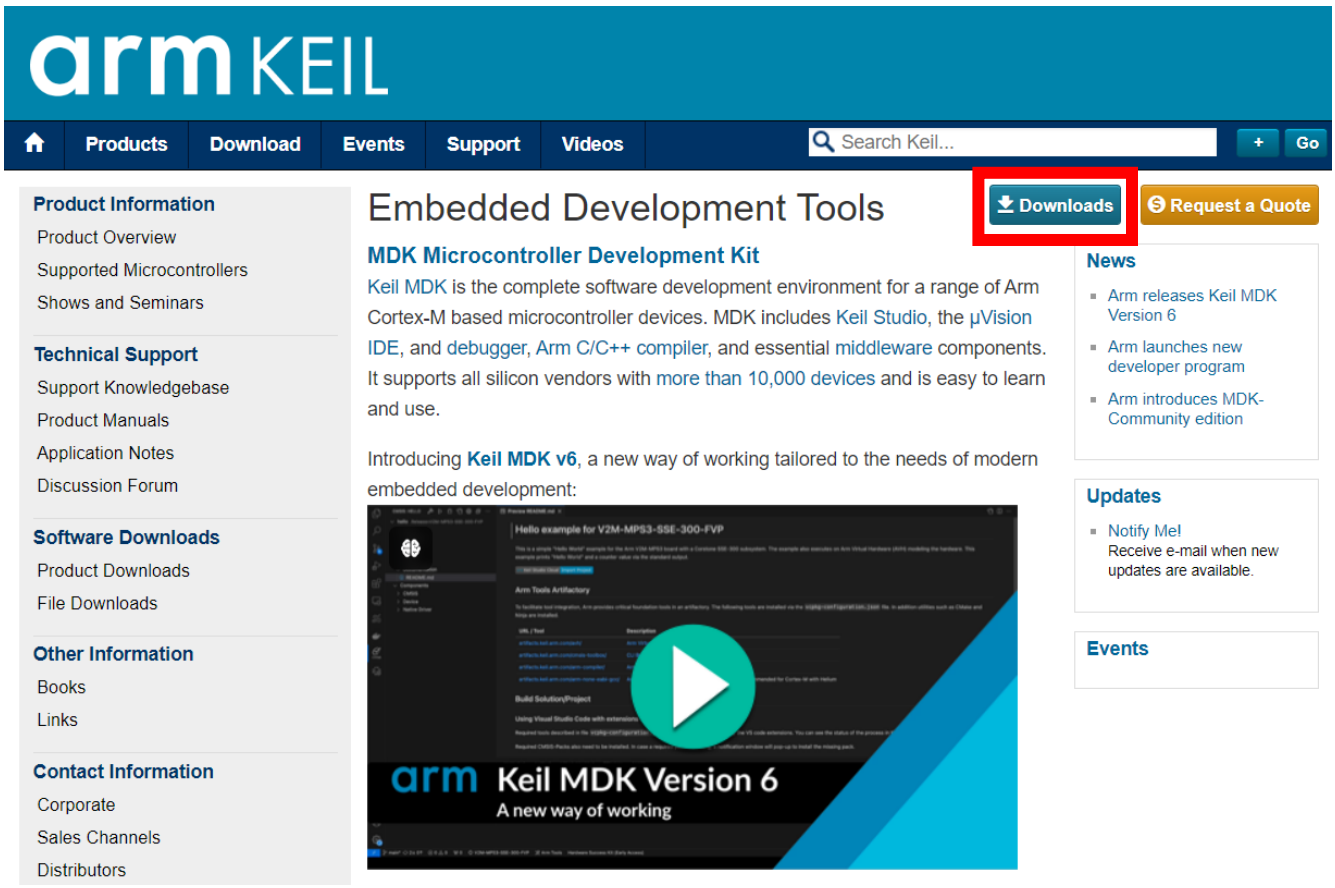


Figure 1(a): Keil uVision Download First Option

Or by navigating to the **Download** tab, as Figure 1b shows:

Figure 1(b): Keil uVision Download Second Option

3. The following window will appear, click on **Product Downloads,** as Figure 2 shows:

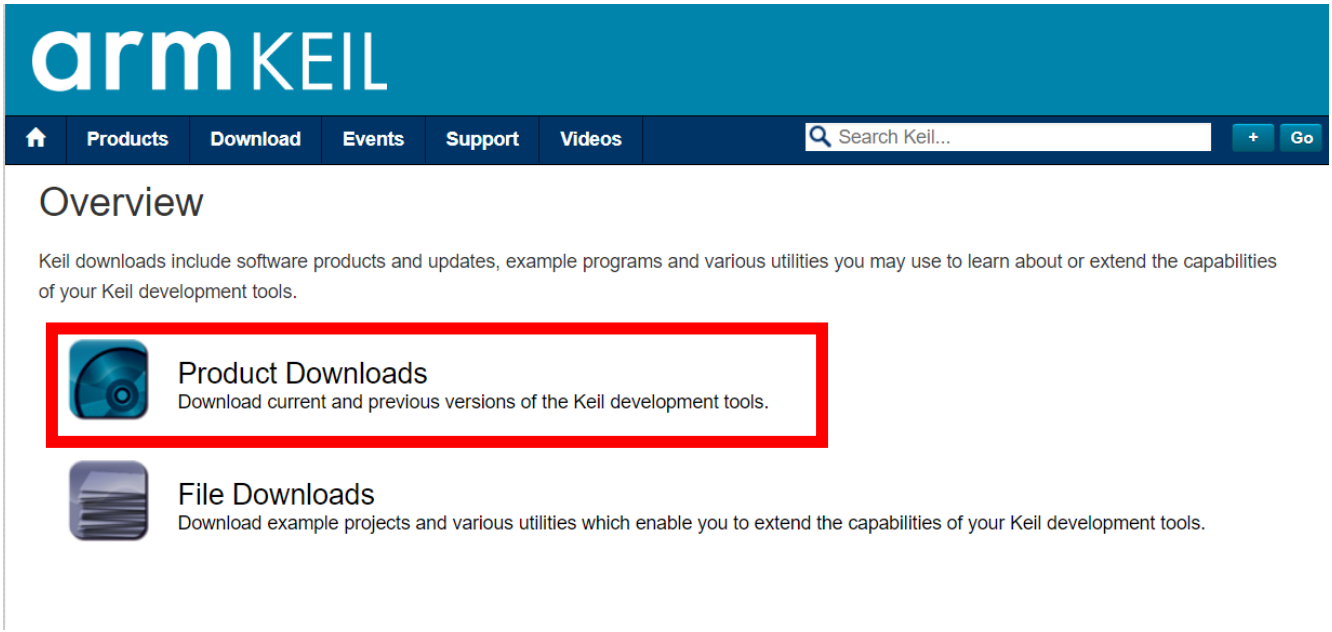


Figure 2: Arm Keil Product Downloads

4. From the download products select **MDK-ARM**, as Figure 3 shows:

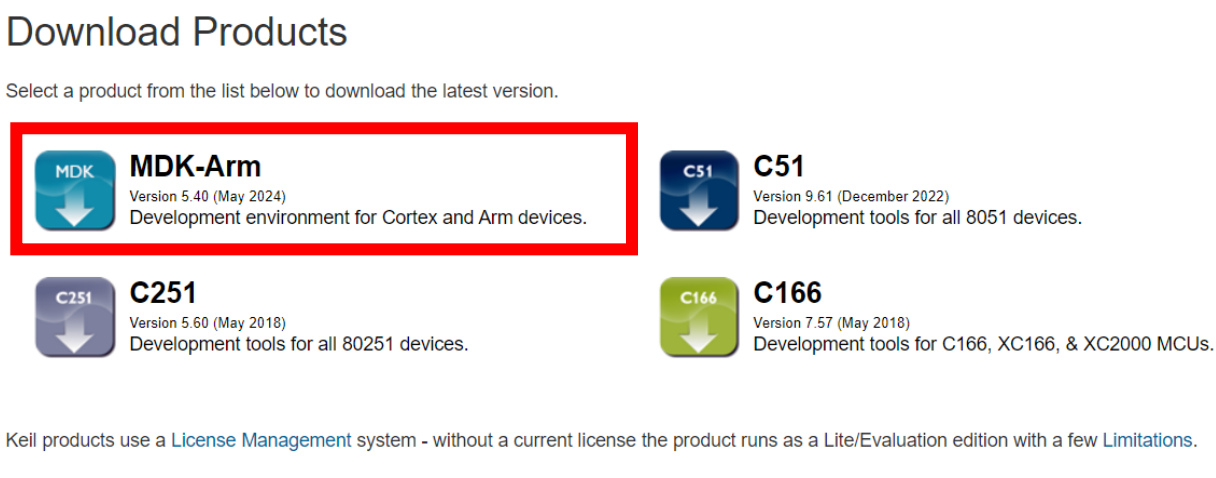


Figure 3: MDK-ARM Download

5. Fill the following form with the required information and click on **Submit** button**,** as Figure 4 shows:

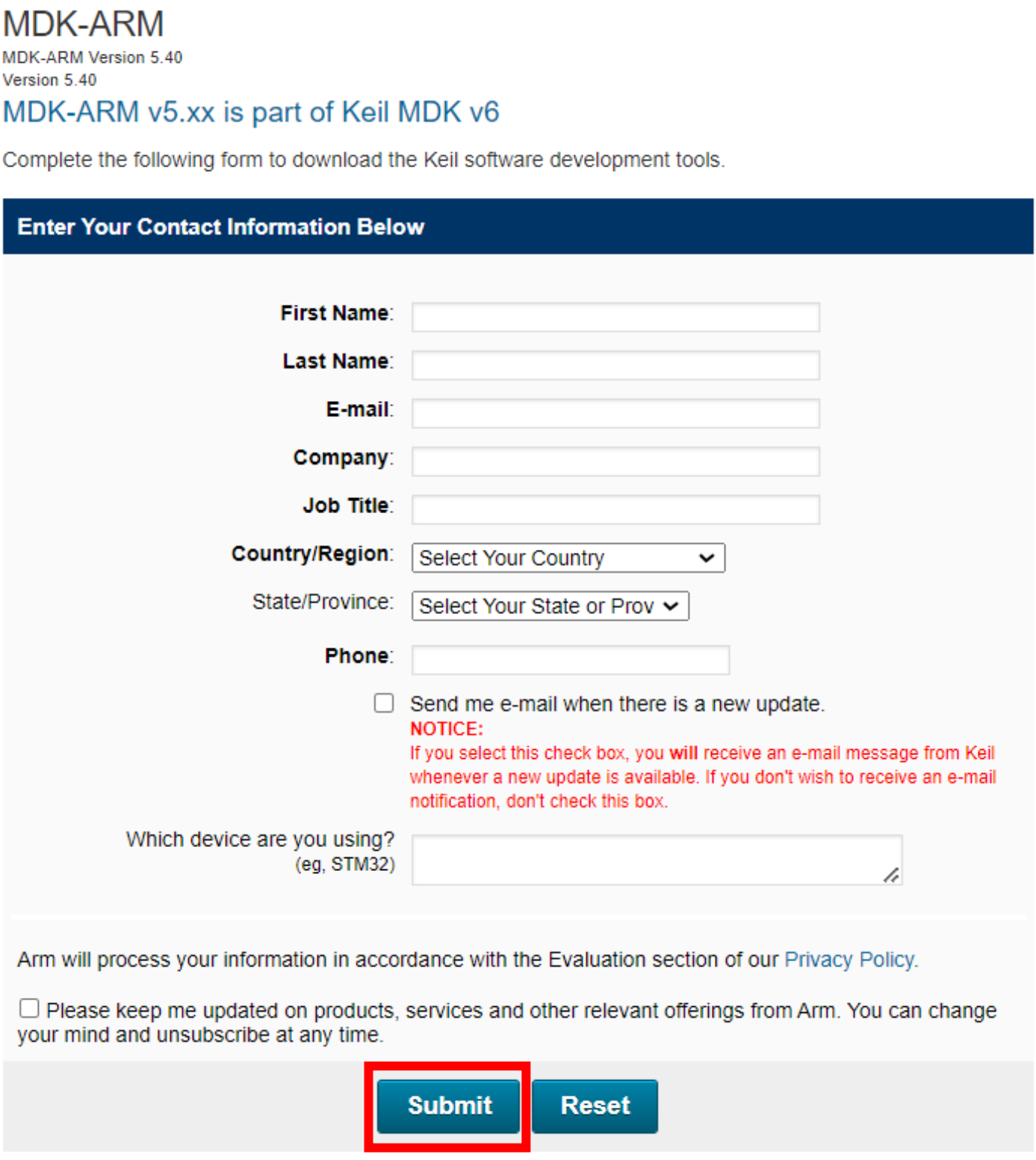


Figure 4: Form to Fill

6. To download setup file, click on **MDK540.EXE,** as Figure 5 shows:

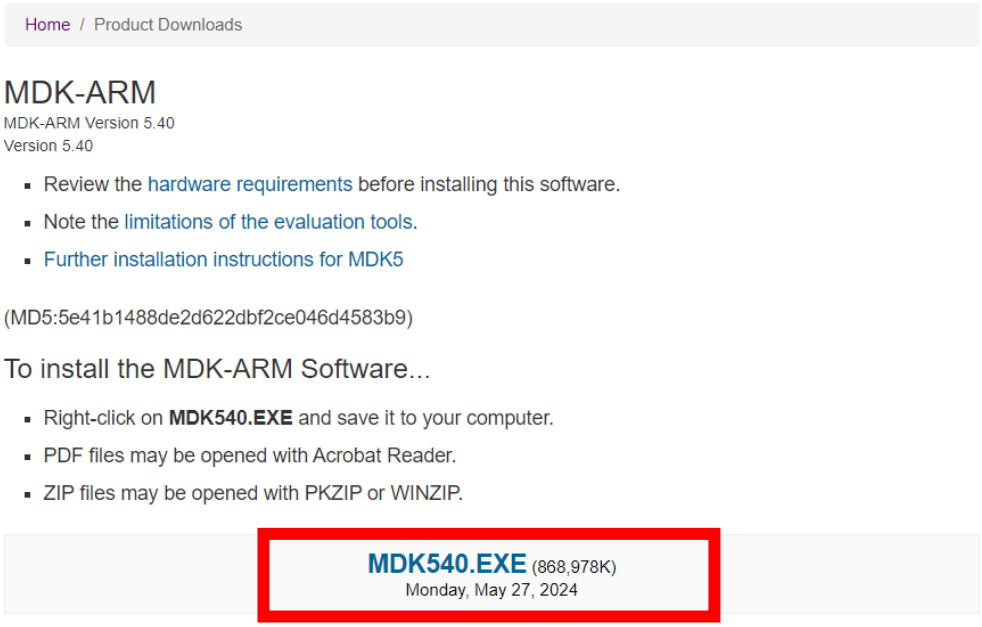
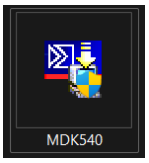


Figure 5: Download Setup File

After the downloading process is finished, you can setup and install Keil on your device.

B. Installation Process:

1. Click on the 

to start the installation process, the following window will popup click on the **Next** as Figure 6 shows:

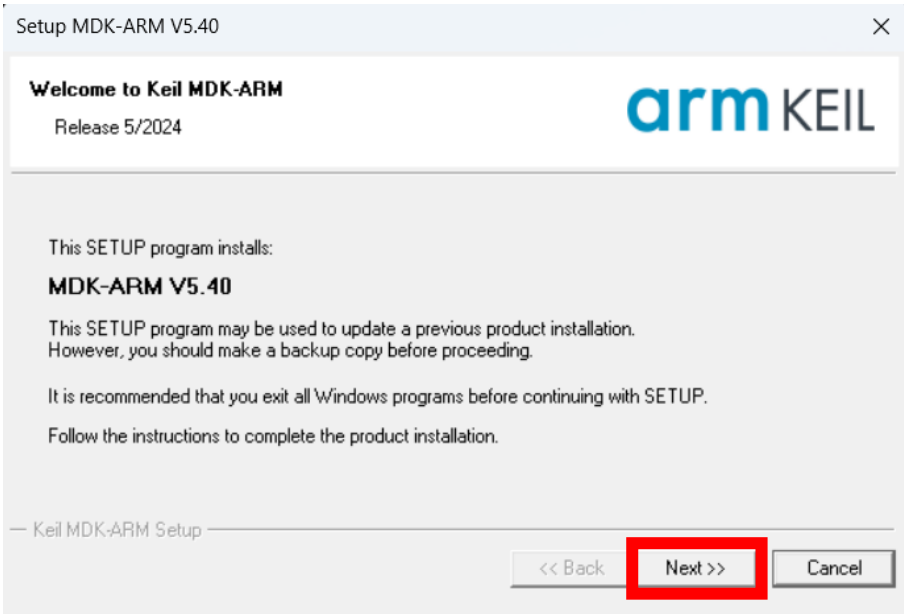


Figure 6: Keil uVision Setup Step 1

2. Check the checkbox to accept the License Agreement and then click on **Next**, as Figure 7 shows:

Figure 7: Keil uVision Setup Step 2

3. Choose the destination folder where you want to install it, then click **Next**, as Figure 8 shows:

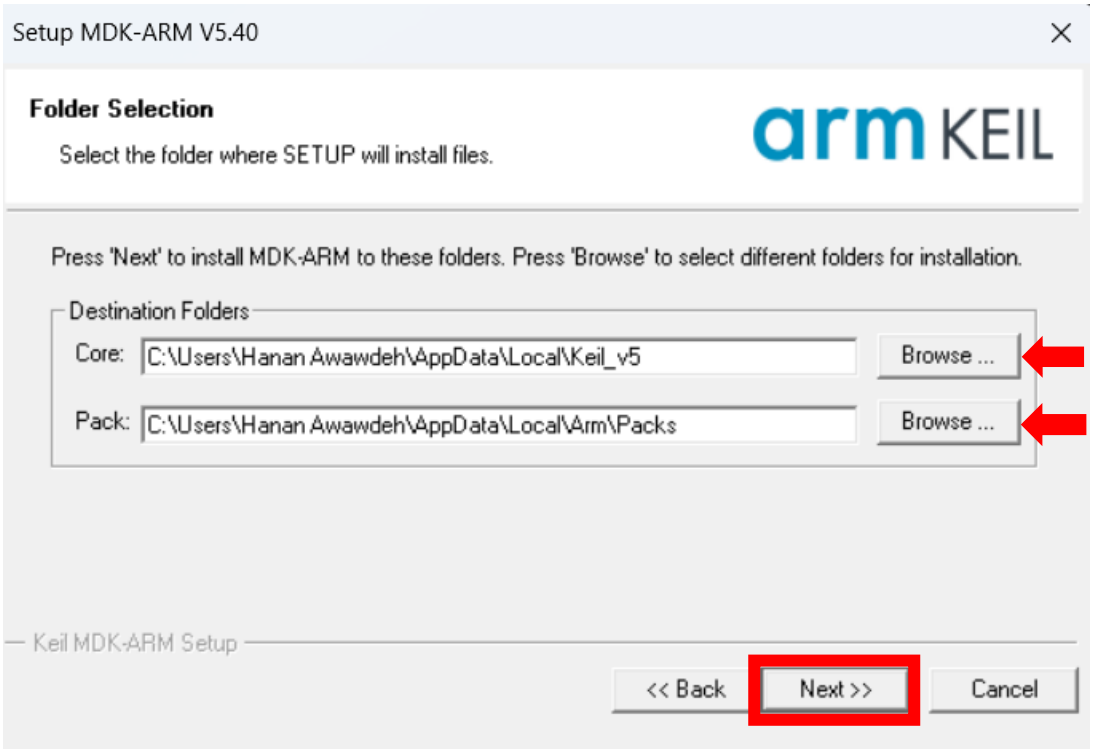


Figure 8: Keil uVision Setup Step 3

4. Fill the form and click **Next** as Figure 9 shows:

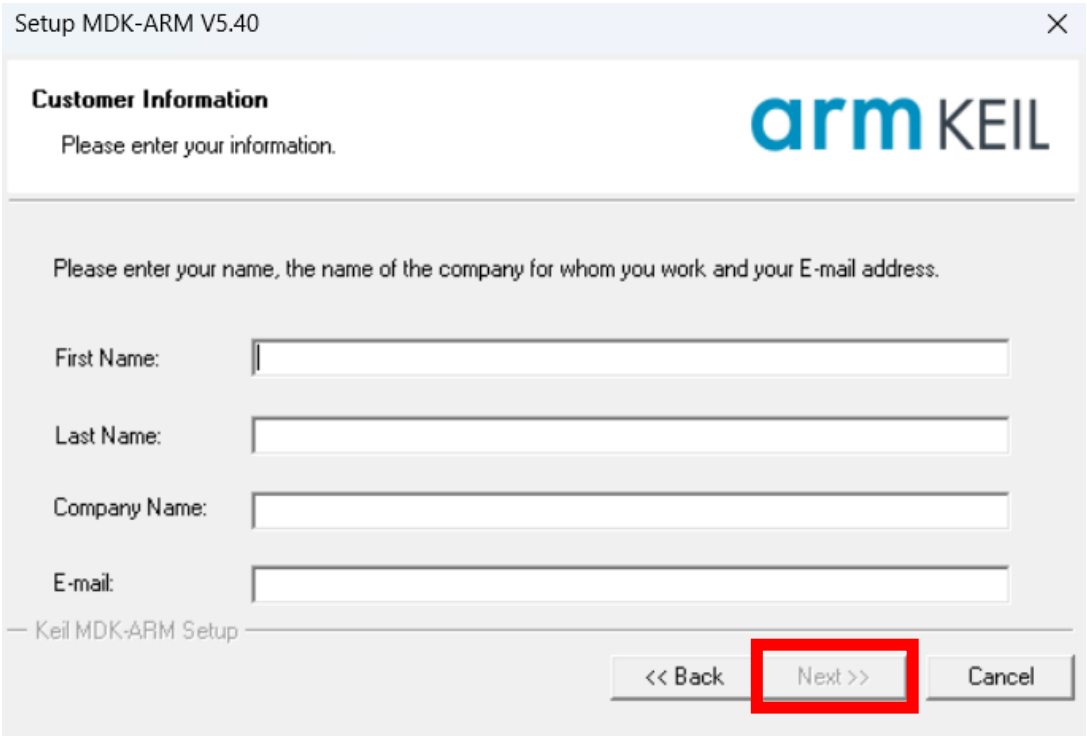


Figure 9: Keil uVision Setup Step 4

Wait until Setup process complete:

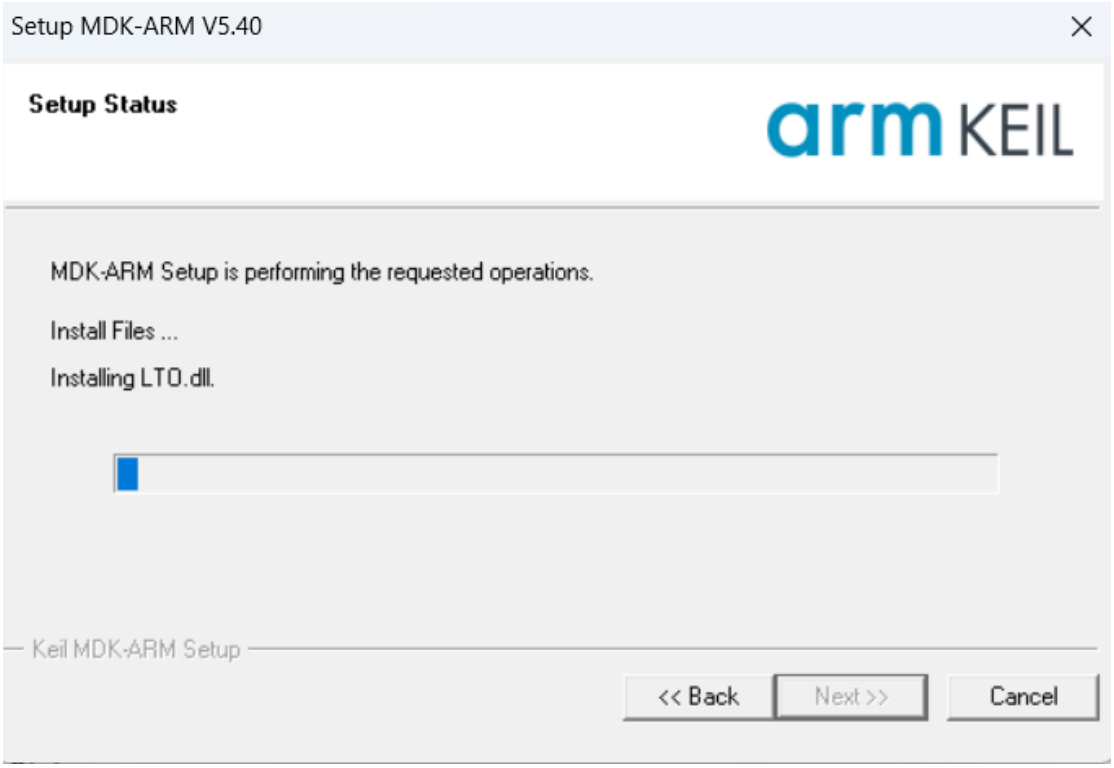


Figure 10: Keil uVision Installing Progress

5. After Setup process completed, click on **Finish** as Figure 11 shows:

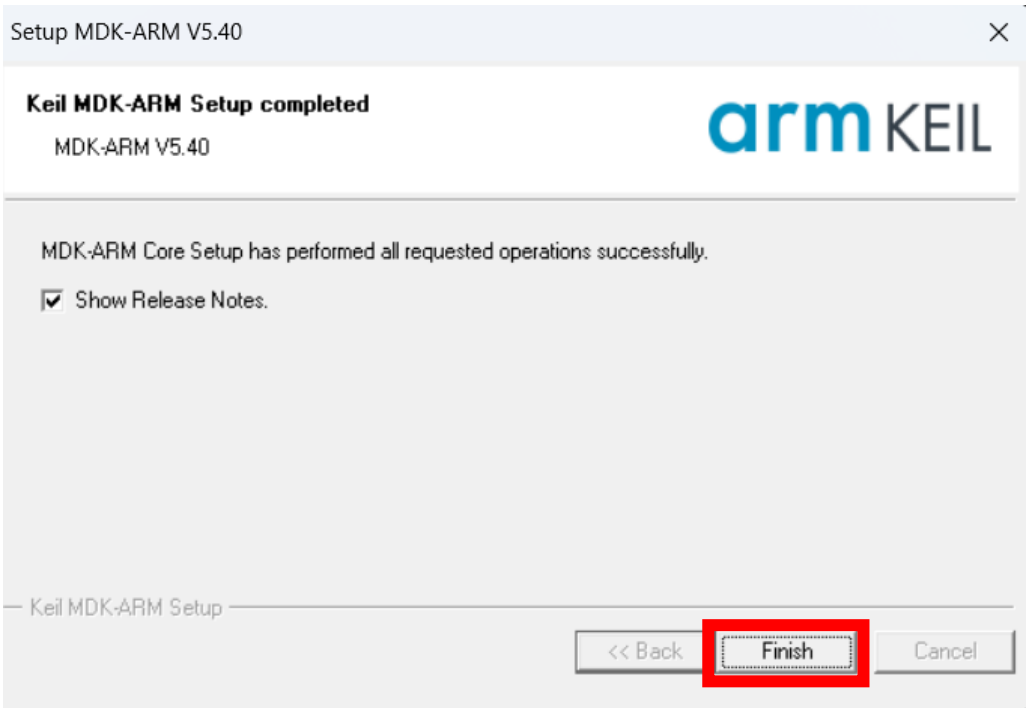


Figure 11: Keil uVision Setup Step 5

6. Following that, the Keil Pack Installer will launch as Figure 12 shows; using it, download any library you need, click on **OK**:

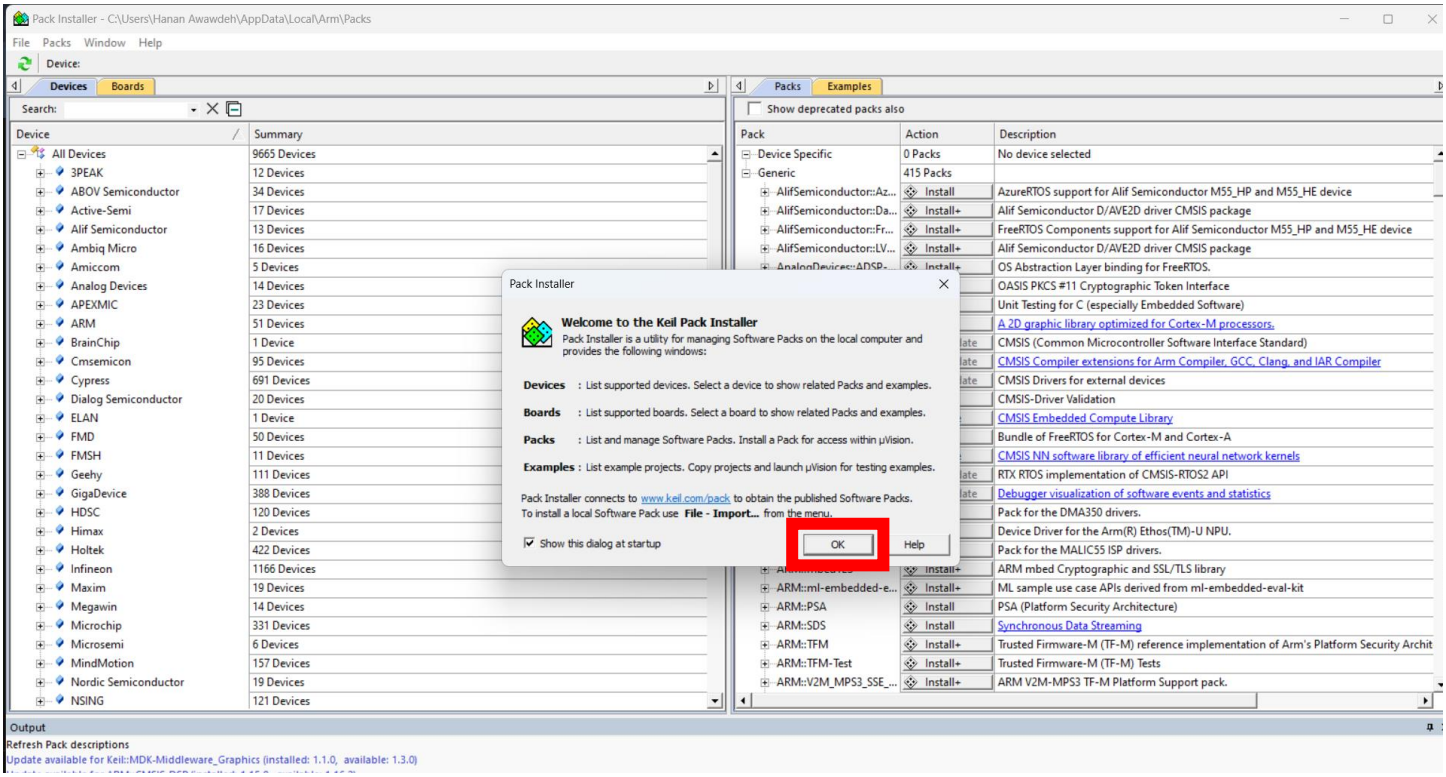


Figure 12: Keil uVision Pack Installer

7. From the **Devices** tap, search about **STMicroelectronics,** which will be used to simulate the ARM Cortex-M3 processor**,** and click on it as Figure 13 shows:

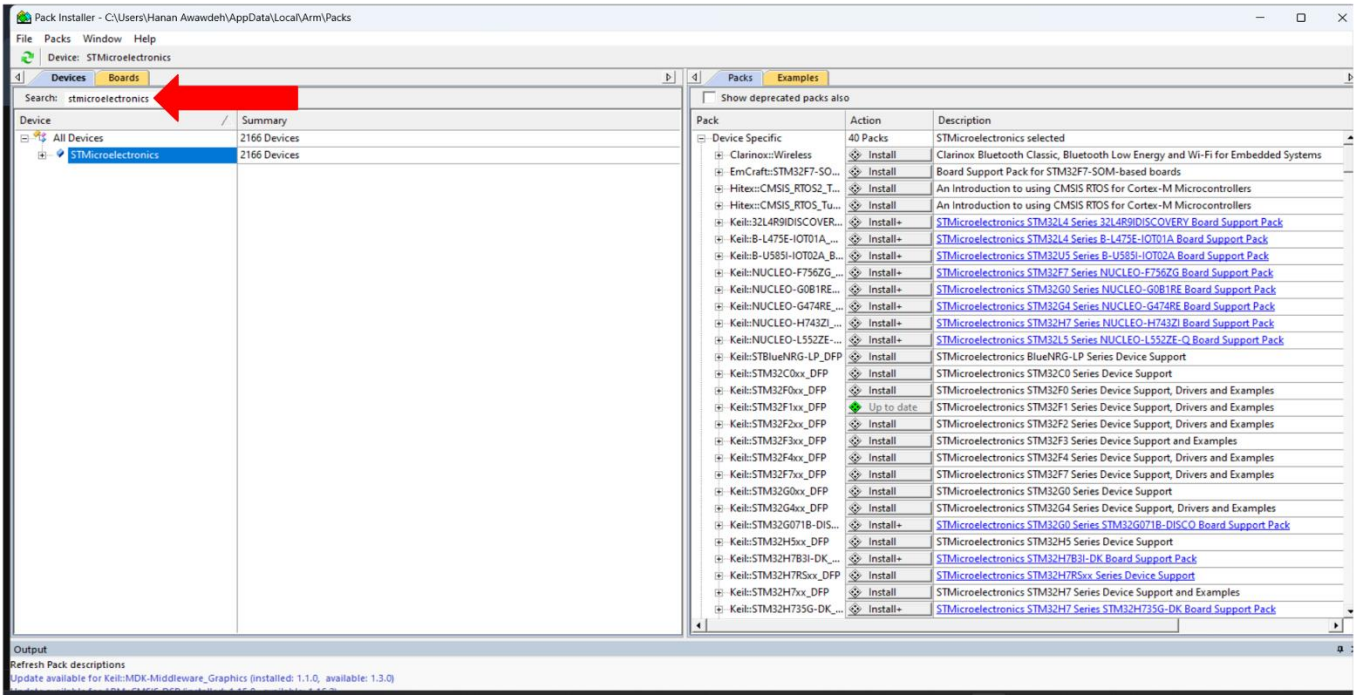


Figure 13: Search about STMicroelectronics Devices

8. Search about Keil::STM32F1xx_DFP in the Packs tap on the right pane, as Figure 14 illustrates:

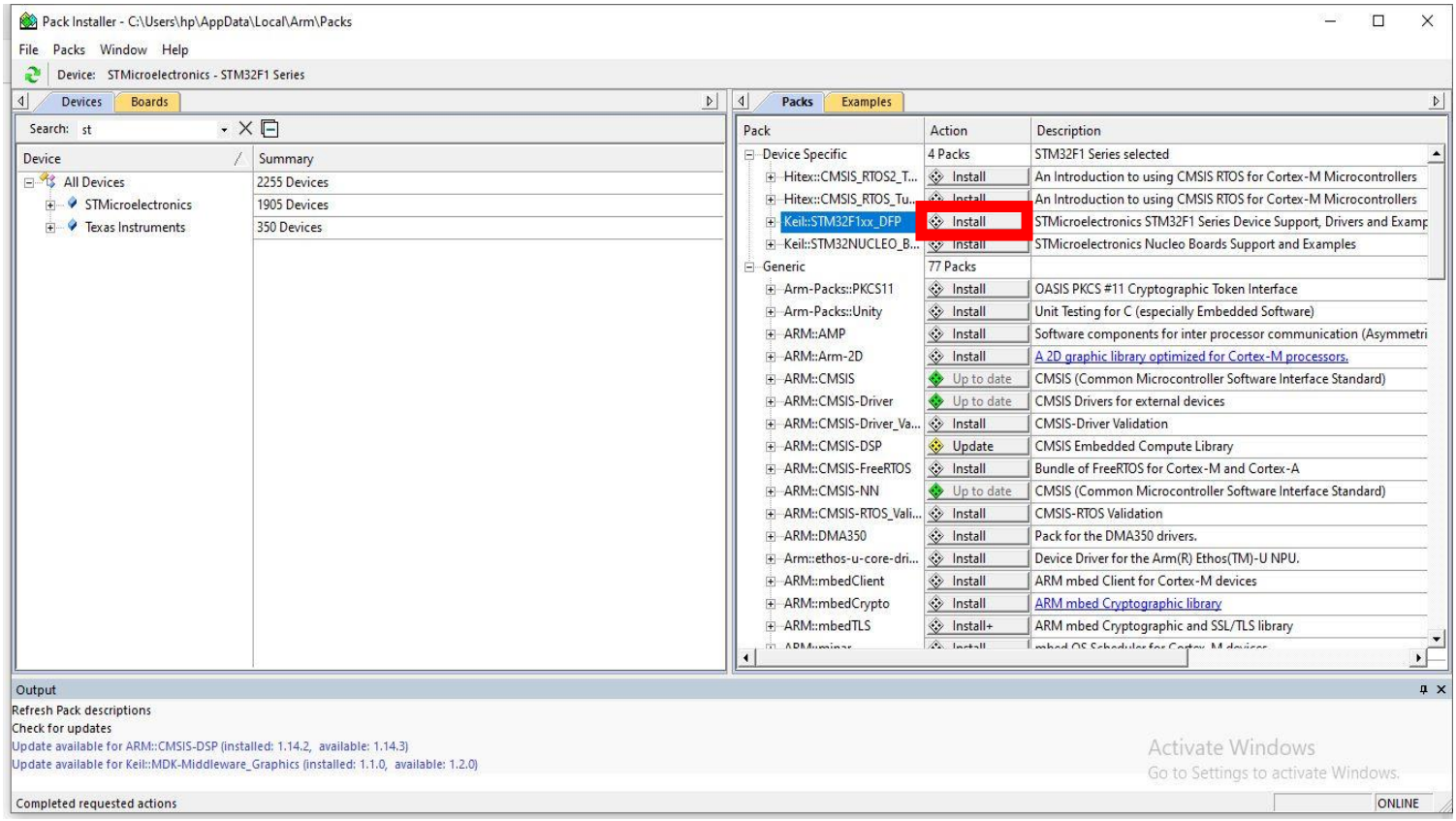


Figure 14: Install STM32F1xx_DFP

It is advisable to complete the subsequent steps for the second portion of the lab at this time to ensure that you are prepared for its arrival.

The TM4C_DFP Pack from Texas Instruments devices should be installed, as the TM4C123G6PM board will be utilized:

9. Search about **Texas Instruments**, and click on it as Figure 16 shows:

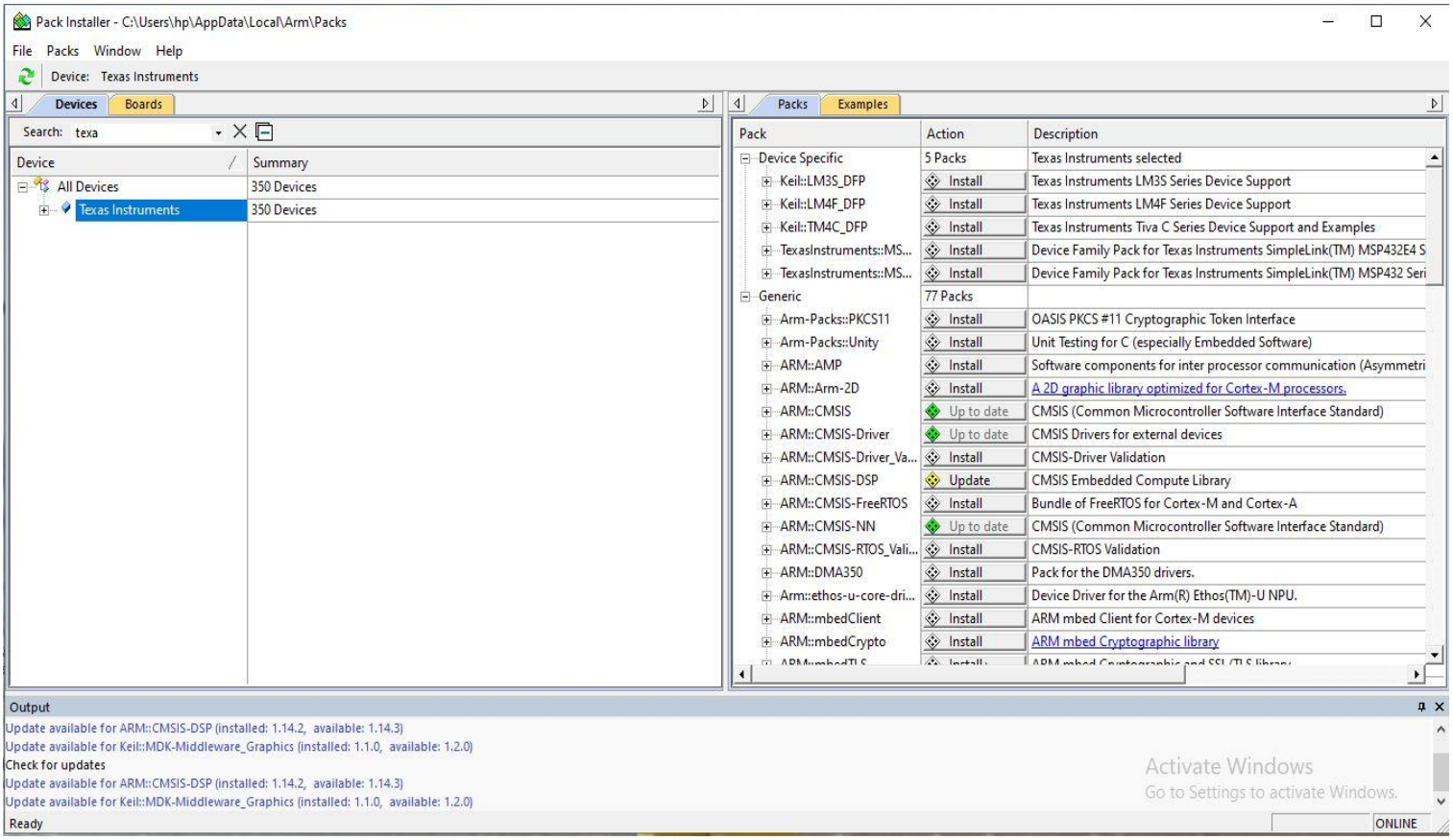


Figure 16: Install TM4C_DFB

10. We will use TM4C123G6PM board, so you need to install TM4C_DFP, install **Keil::TM4C_DFP** as Figure 17 shows:

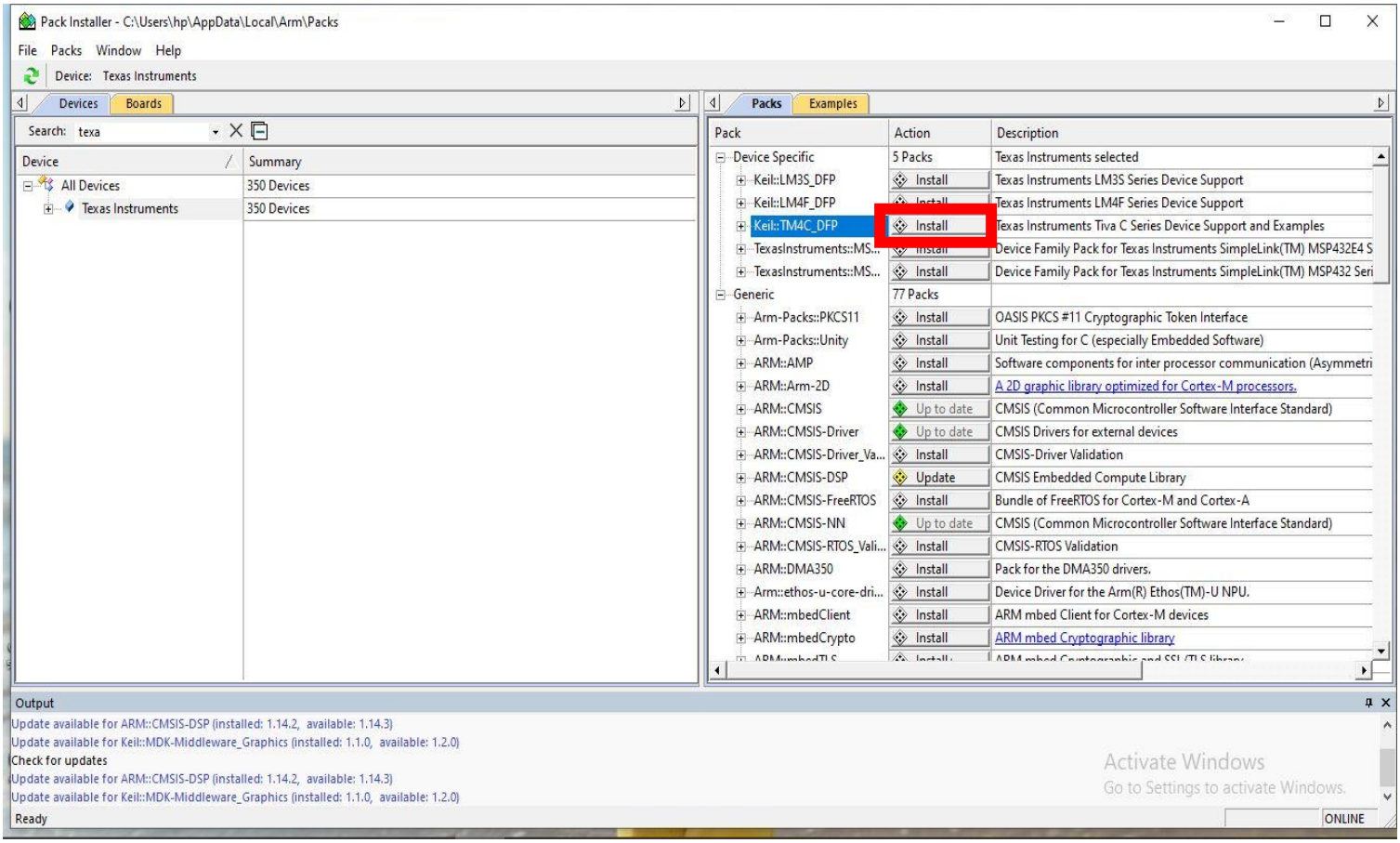


Figure 16: Install TM4C_DFB

You can also install software Packs from MDK5 Software Packs:

Select the Software Pack you want to install then click on  to download it, as Figure 17 shows:

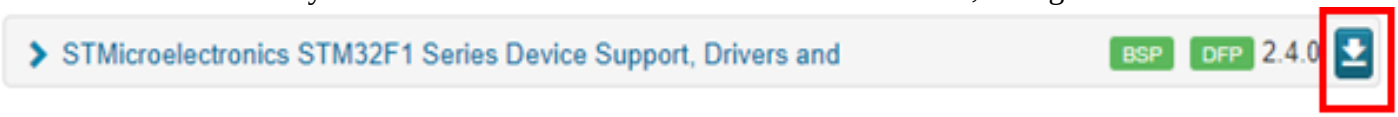


Figure 17: MDK Software Packs

<u>After the downloading process is finished, you should install it on your device.</u>

To learn more about this Software Pack history, or to download previous versions from it click on  to expand it and to see more.

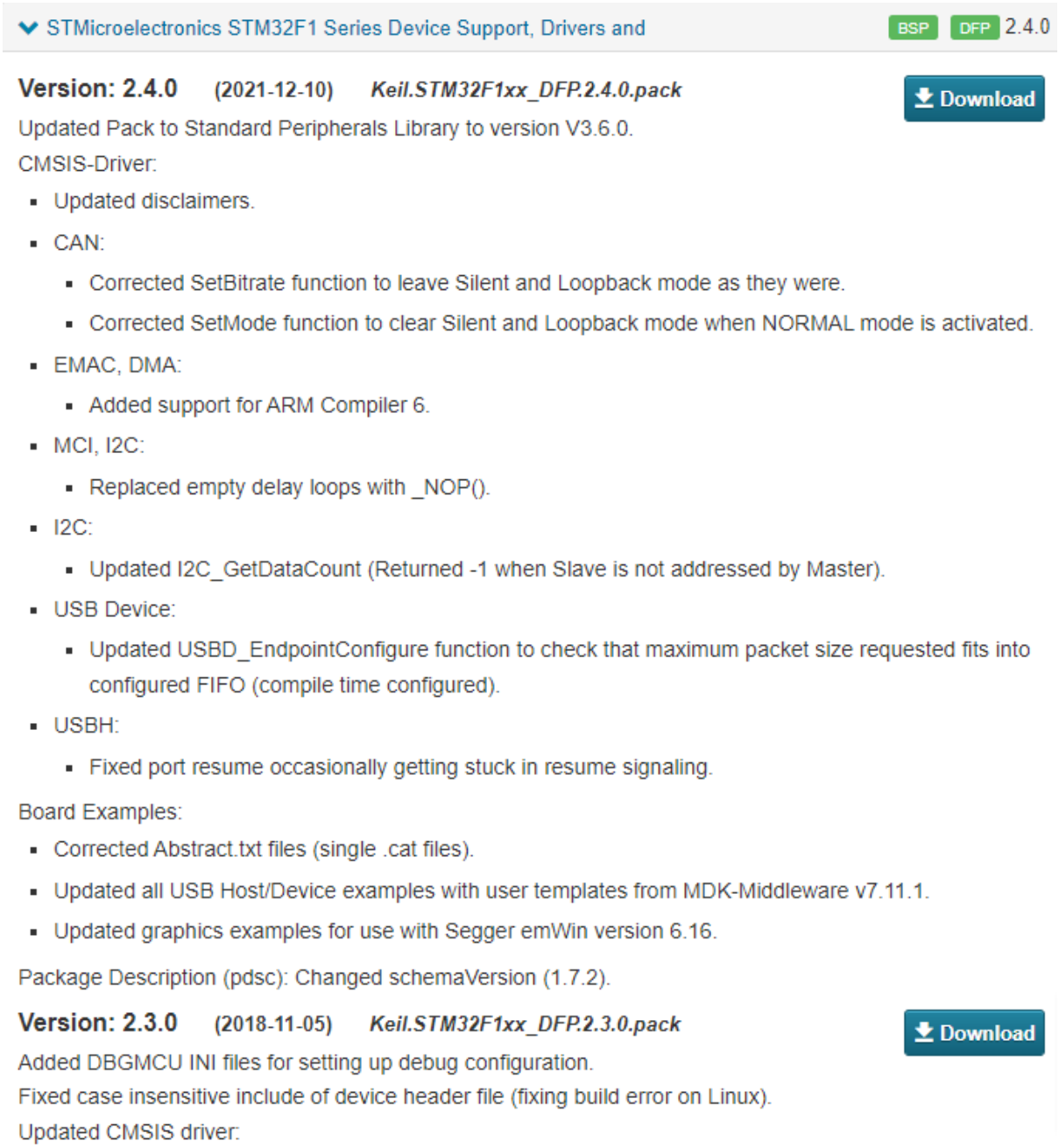


Figure 18: STM32F1

To learn more about **Pack Installer**, visit this link:
https://developer.arm.com/documentation/101407/0538/Creating-Applications/Software-Components/Pack-Installer