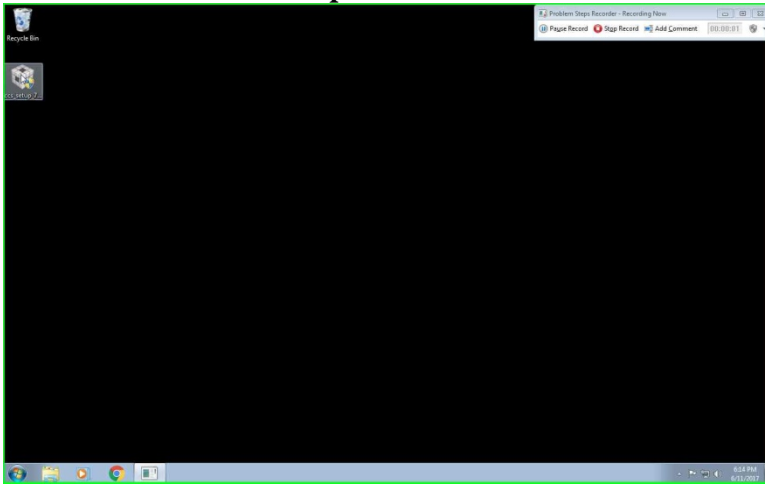


CC264BPA Walkthrough

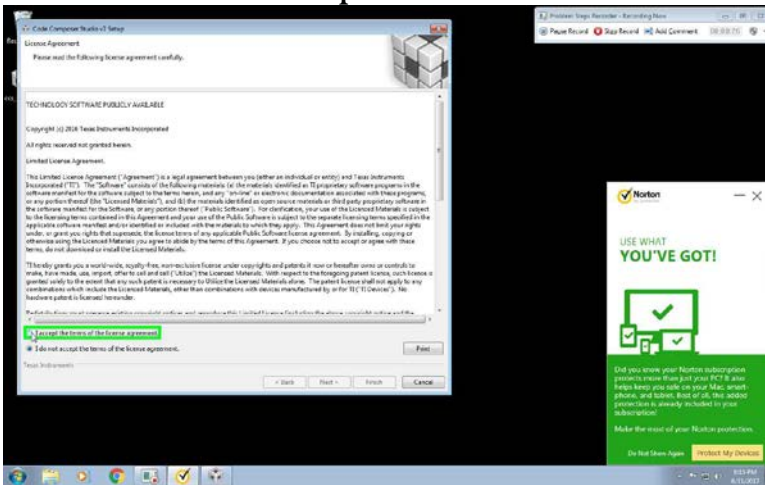
Install Code Composer Studio:-----	2
Install the BLE 2.2.1 Software Stack-----	5
Patch Code Composer Studio files for CC264BPA-----	7
Load Sample Project-----	8
Prepare workspace environment-----	10
Build the Example Stack and App Project-----	12

Install Code Composer Studio:

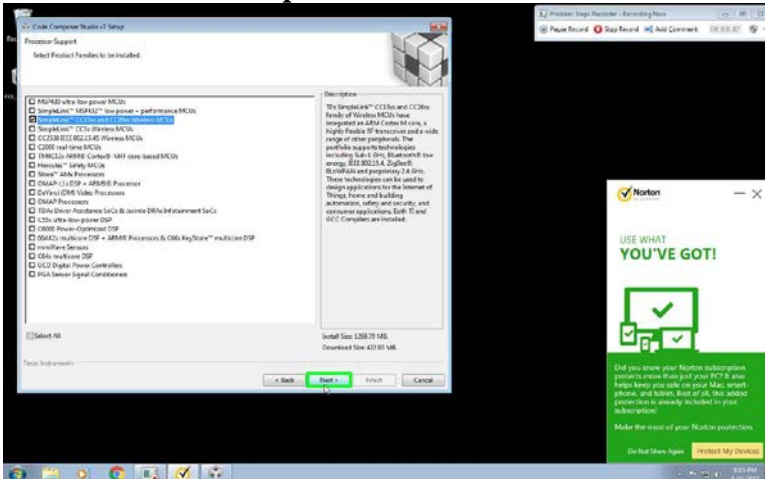
1. Download latest version from http://processors.wiki.ti.com/index.php/Download_CCS#Download_the_latest_CCS
2. Run “ccs_setup_7.1.0.00016.exe” or later



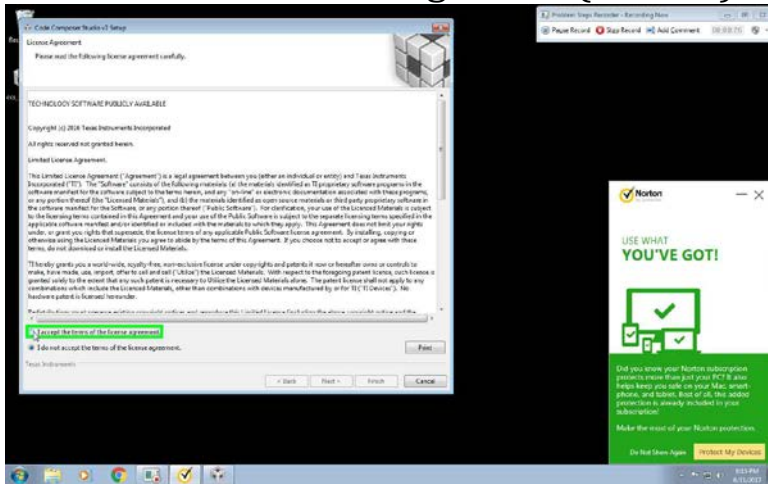
3. Read and accept the Terms of the License agreement. Click Next.



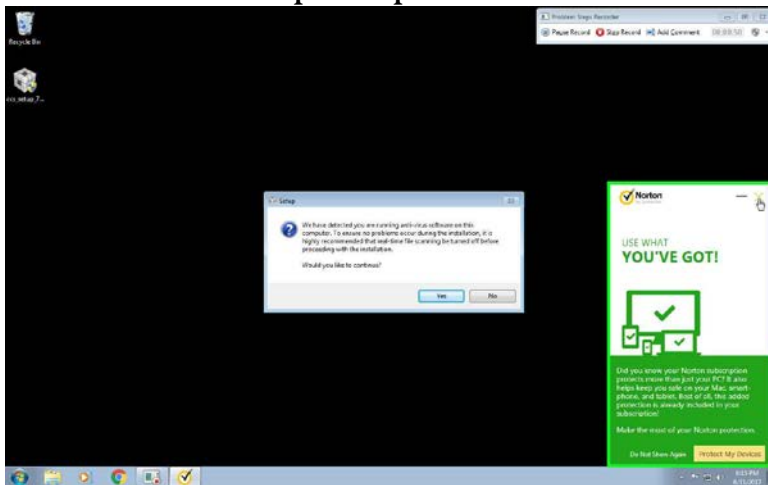
4. Install to default location “c:\ti”. Click Next.
5. Select “SimpleLink CC13xx and CC26xx Wireless MCUs.” Click Next.



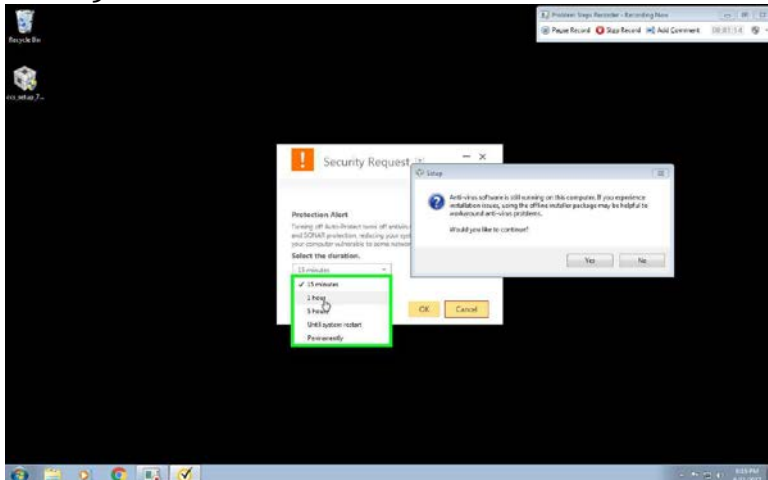
6. Select TI XDS Debug Probe (default). Click Next



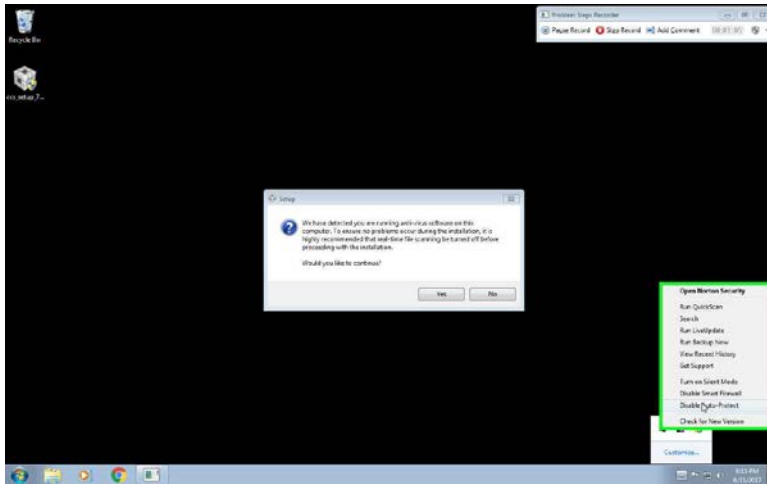
7. You will be prompted to disable anti-virus software



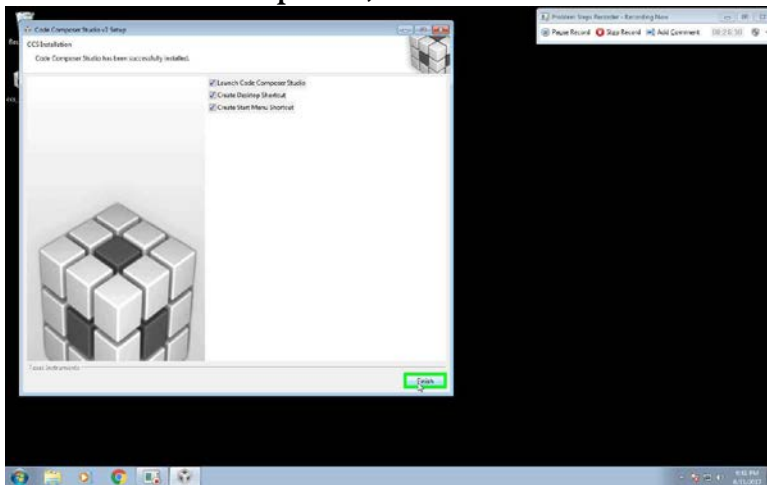
8. Disable Antivirus software for a limited period of time (30 minutes to 1 hour)



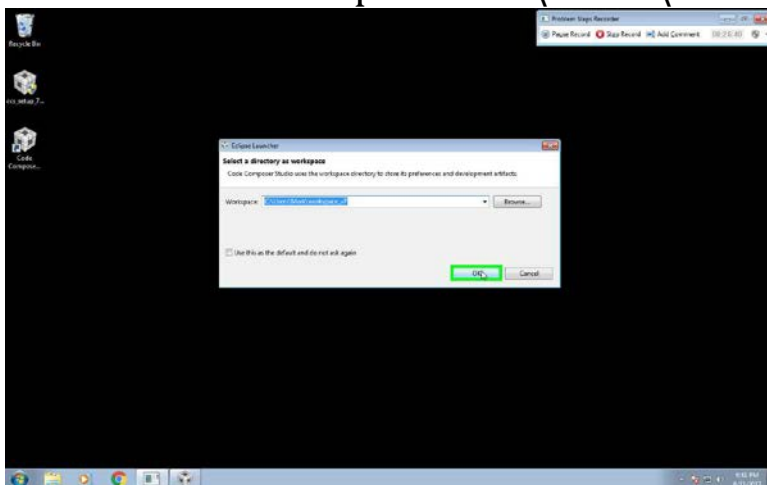
9. Continue Installation



10. When complete, Click Finish to Launch Code Composer Studio



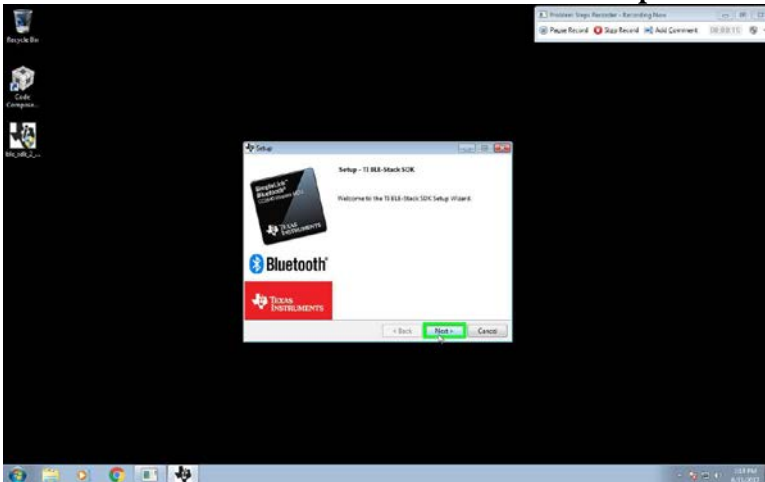
11. Create a workspace at C:\Users\YourName\workspace_v7



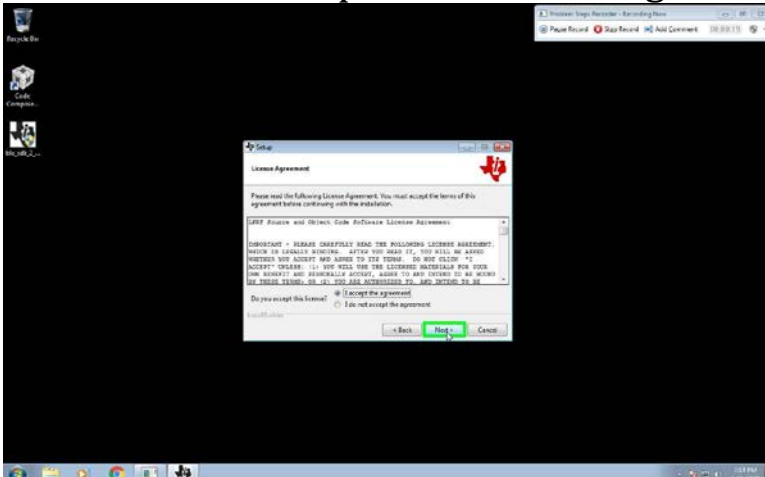
12. Close Code Composer Studio

Install the BLE 2.2.1 Software Stack

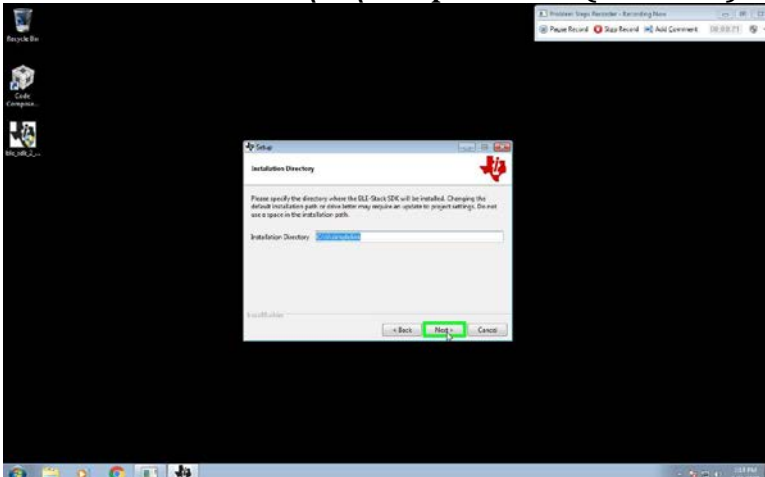
1. Download the BLE-Stack-2-2-1 Software Stack from <http://www.ti.com/tool/BLE-STACK>. You must enter your contact information and desired use-case to be able to download the software.
2. Run “ble_sdk_2_02_01_18_setup.exe”



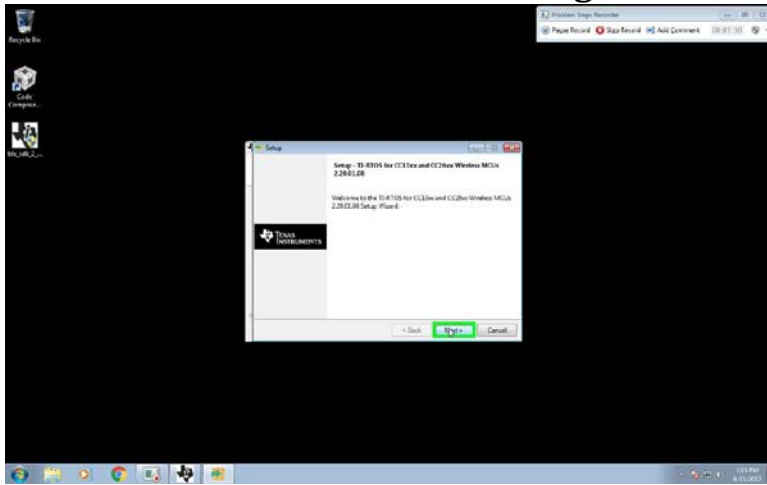
3. Read and accept the software agreement



4. Install to “c:\ti\simplelink” (default)



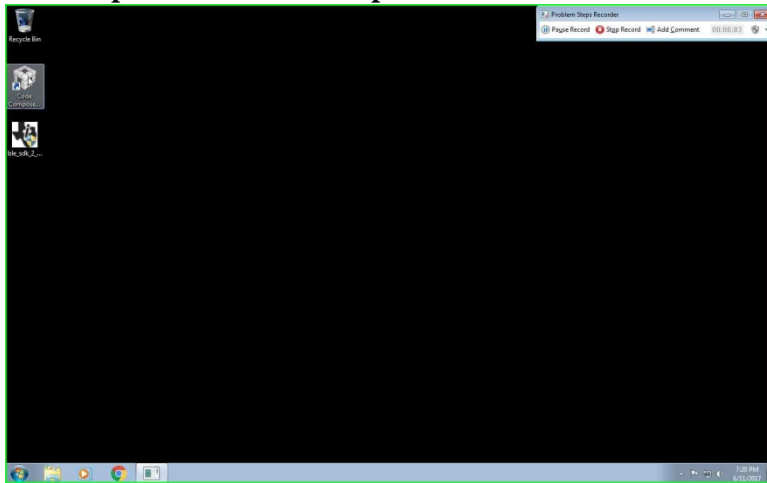
5. Continue installation through TI-RTOS



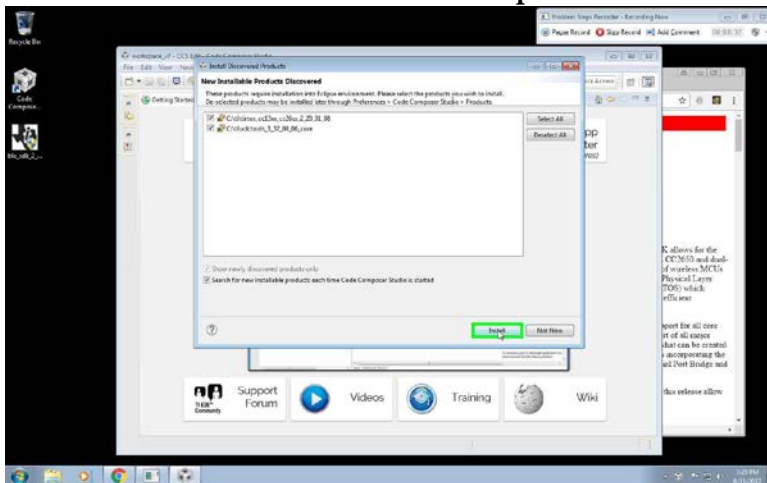
6. Install TI-RTOS to "c:\ti" (default)

7. Install new directories in Code Composer Studio

8. Open Code Composer Studio



9. Click Install when Prompted



10. Close Code Composer Studio

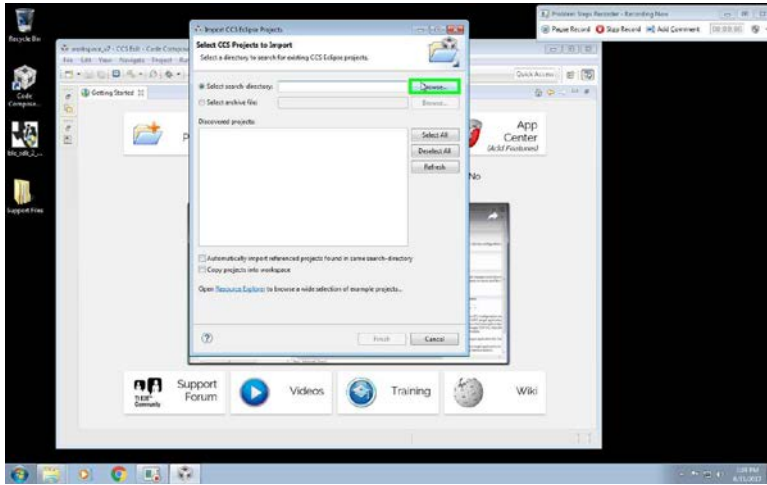
Patch Code Composer Studio files for CC264BPA

1. Download [http://gt-tronics.com/sites/default/files/website/downloads/CC26xBPA-TIEM User Guide.zip](http://gt-tronics.com/sites/default/files/website/downloads/CC26xBPA-TIEM_User_Guide.zip)
2. Unzip the file
3. Change to new directory "Support Files"
4. Use a program such as WinRar to extract `ble_sdk_2_02_01_18_patch_1705292224.rar`
5. Change to the new directory `ble_sdk_2_02_01_18_patch`
6. Select and copy the directories "examples", "src", and "tools" to "`c:\ti\simplelink\ble_sdk_2_02_01_18`". This directory already exists on your hard drive and if prompted to overwrite files, click "yes."

The GT-tronics Document "Building Firmware For CC264BPA r01" provides further information and offers a better understanding of patching and porting.

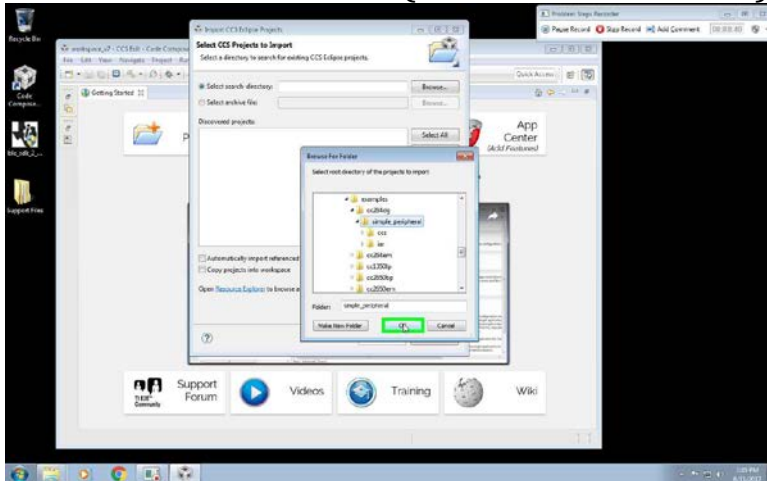
Load Sample Project

1. Open Code Composer Studio
2. Click “Project»Import CCS Project”
3. Click “Browse”



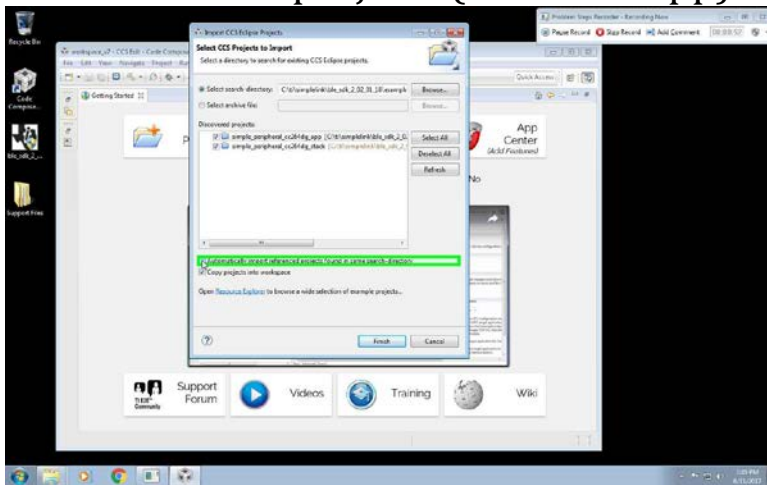
4. Navigate to the directory that has the software for the device you are using; “c:\ti\simplelink\ble_sdk_2_02_01_16\examples\cc264em\” for the CC264BPA module.

5. CC264BPA-TIEM (evaluation module):



6. Click “Okay”

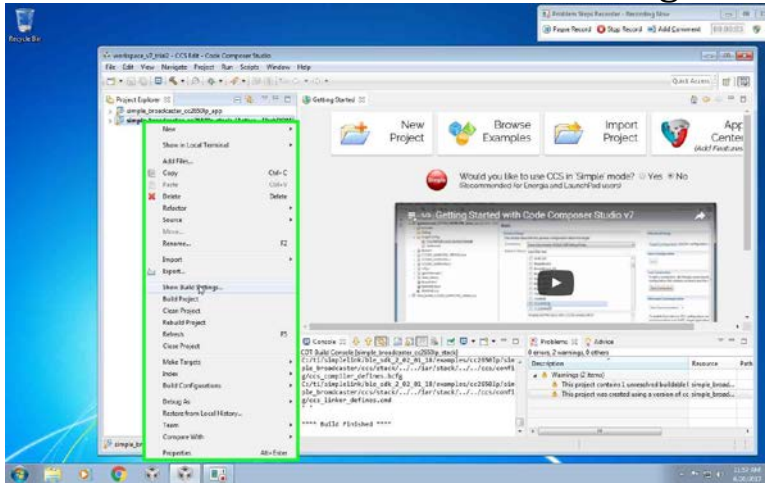
7. Select both projects (stack and app) and both options.



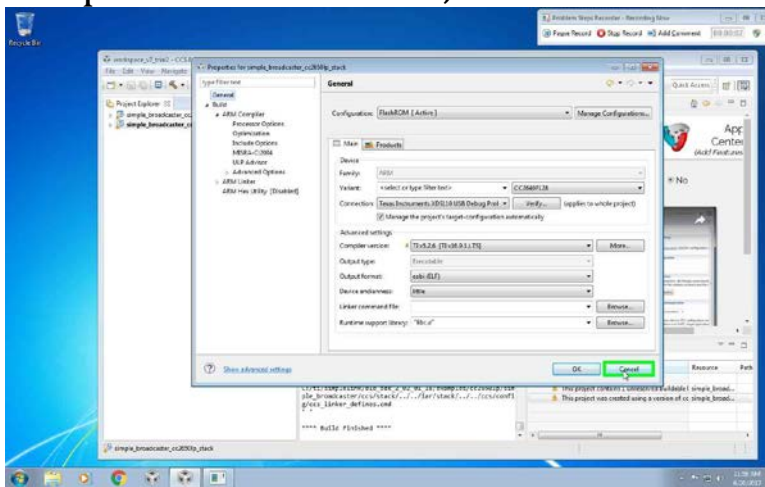
Click "Finish"

Prepare workspace environment

1. Right-click on simple_broadcaster_cc2650lp_stack.
2. Left-click on "Show Build-Settings"

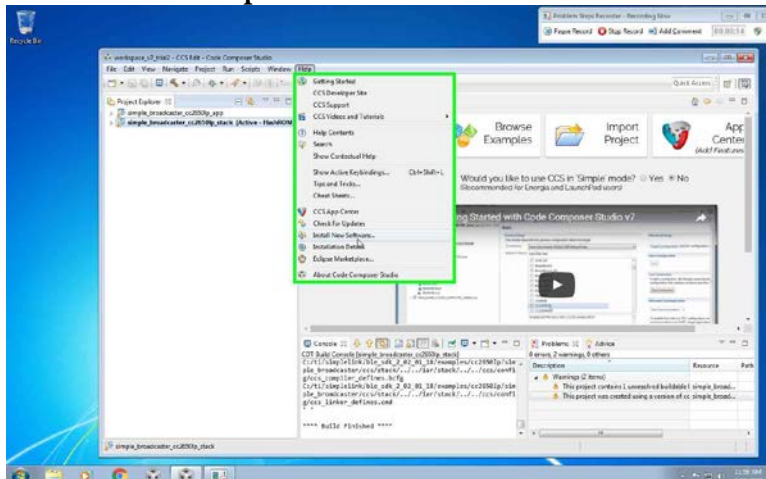


3. Make note of the compiler version used in the example project. If correct compiler is not installed, install it

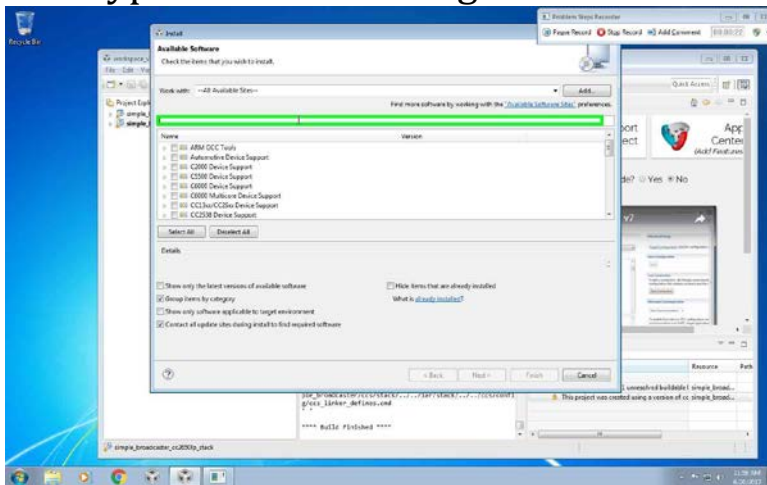


3.1. Installing Missing Software

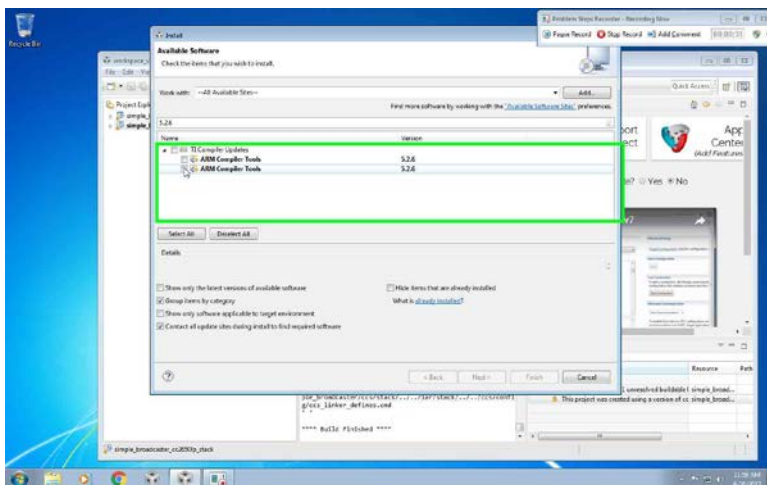
3.2. Click Help»Install New Software



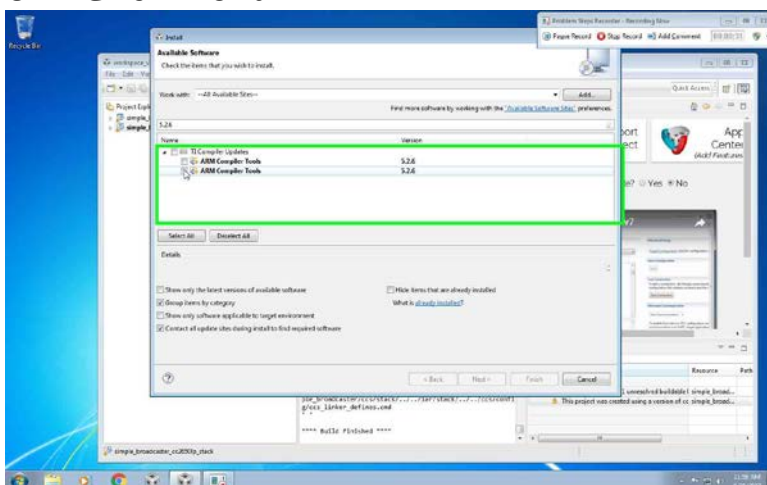
4. Type name of missing software in search box



5. Click the checkbox next to the software you would like to install



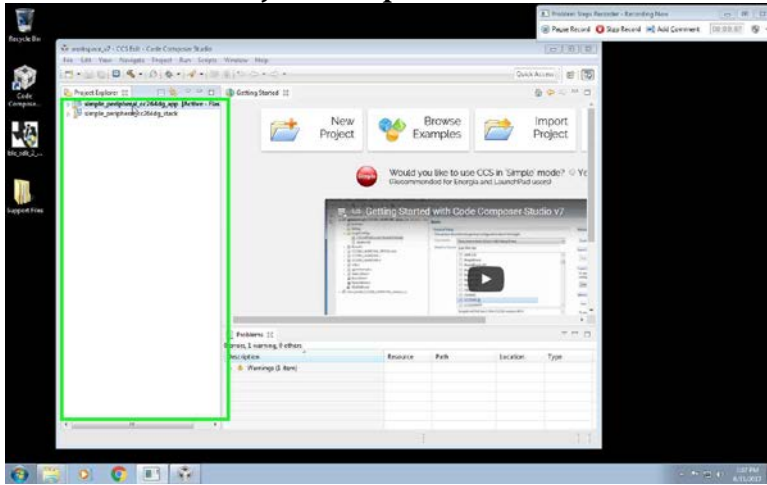
6. Click Next.



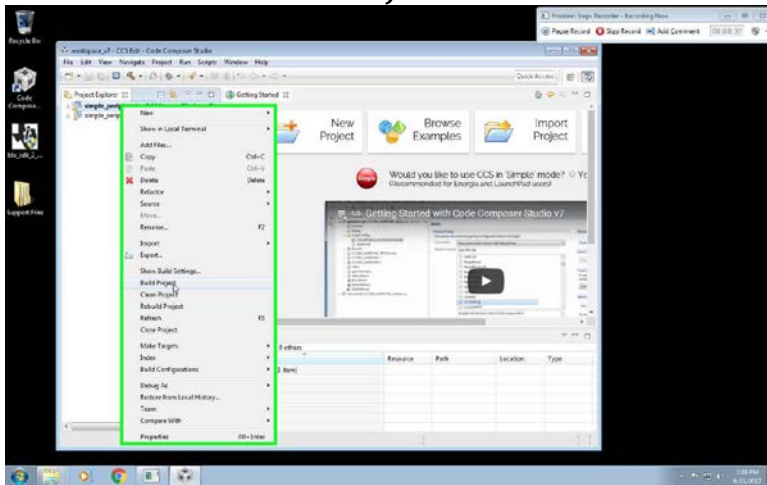
7. Accept any software agreements and complete installation with a restart of Code Composer Studio.

Build the Example Stack and App Project

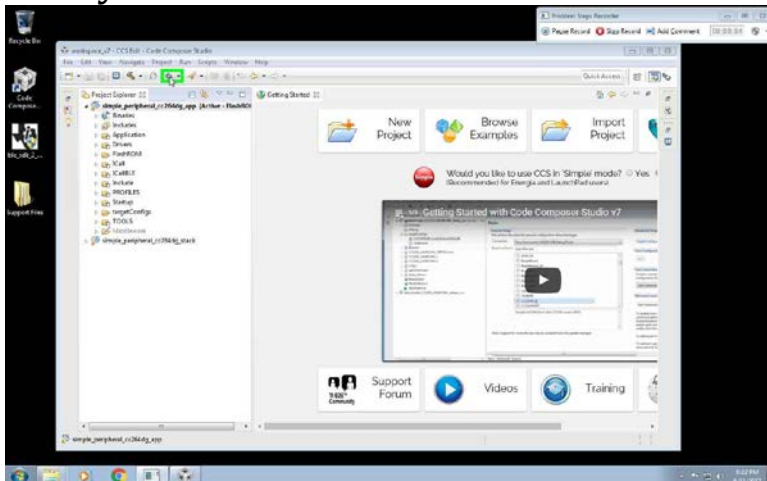
1. Double click on “Simple_peripheral_cc264xx_stack”
2. Right click on the project and click “Build”
3. In the Project Explorer, Double Click on “Simple_peripheral_cc264xx_app”



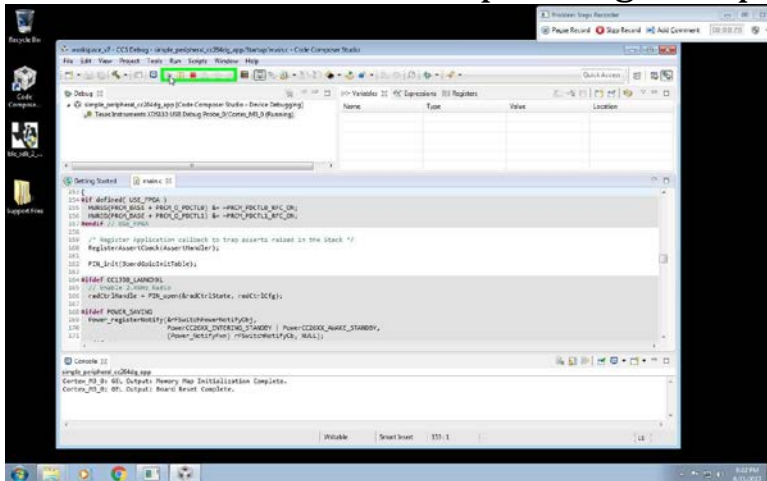
4. Select “Build Project”



5. Select the bug icon on the toolbar. This will compile and load the project onto your device.



6. Use the Toolbar to step through the project.



7. Terminate the project with the Red Square “Stop” button.

