

Our expectation is shown GUI view like below from TI video.

[http://link.brightcove.com/services/player/bcpid3917207363001?bckey=AQ~,,AAADeK19QZE~,BDUED4gHjR8HL1b\\_DfHPB4WG3B025\\_s&bctid=4107345616001](http://link.brightcove.com/services/player/bcpid3917207363001?bckey=AQ~,,AAADeK19QZE~,BDUED4gHjR8HL1b_DfHPB4WG3B025_s&bctid=4107345616001)

The screenshot displays the PowerSuite GUI within the Code Composer Studio environment. The main window shows a schematic diagram of a buck converter with various components like the LMS198 controller, MOSFETs, diode, and inductor. Below the schematic, there are several configuration sections:

- Project Options:** Includes dropdowns for 'Closed Voltage Loop', 'Control ZSR rate at Fsw', and 'COMP1'. There are also icons for 'COMPENSATION DESIGNER' and 'MFA'.
- Power Stage Parameters:** A table of adjustable parameters for the converter.

Parameter	Value
Fsw: PWM Sw. Freq (KHz)	200
Nominal Values: Vin (V)	9.0
Nominal Values: Vout (V)	2.0
Nominal Values: Iout (Amp)	1.2
Inductor: L (uH)	4.0
Inductor: DCR (Ohm)	0.0105
Output Caps: Celec (uF)	330.0
Output Caps: ESLelec (Ohm)	0.15
Output Caps: ESLelec (uH)	0.0
Output Caps: Ccer (uF)	66.0
Output Caps: ESrCer (Ohm)	0.002
Output Caps: ESrCer (uH)	0.0
Vout Sense: Rr (Ohm)	340.0
Vout Sense: Rd (Ohm)	330.0
Vout Sense: Max Sense (V)	6.7
Vout Sense: Rrfr_a (Ohm)	1000
Vout Sense: Cfrfr_a (uF)	0.0033
Vout Sense: Cut-off Freq (KHz)	48.233
Vin Sense: Ra (Ohm)	1000.0
Vin Sense: Rb (Ohm)	330.0
Vin Sense: Max Sense (V)	13.3

On the right side of the GUI, there are two large red arrows pointing downwards, labeled 'select options' and 'customize solution'. The background shows the Code Composer Studio interface with the Project Explorer on the left and the Outline on the right.

But we cannot see any GUI view (we can see the text view like below)

The screenshot shows the Code Composer Studio interface. The Project Explorer on the left lists the files for the 'Buck\_VMC\_F28069M' project. The main editor displays the 'main.cfg' file with the following code:

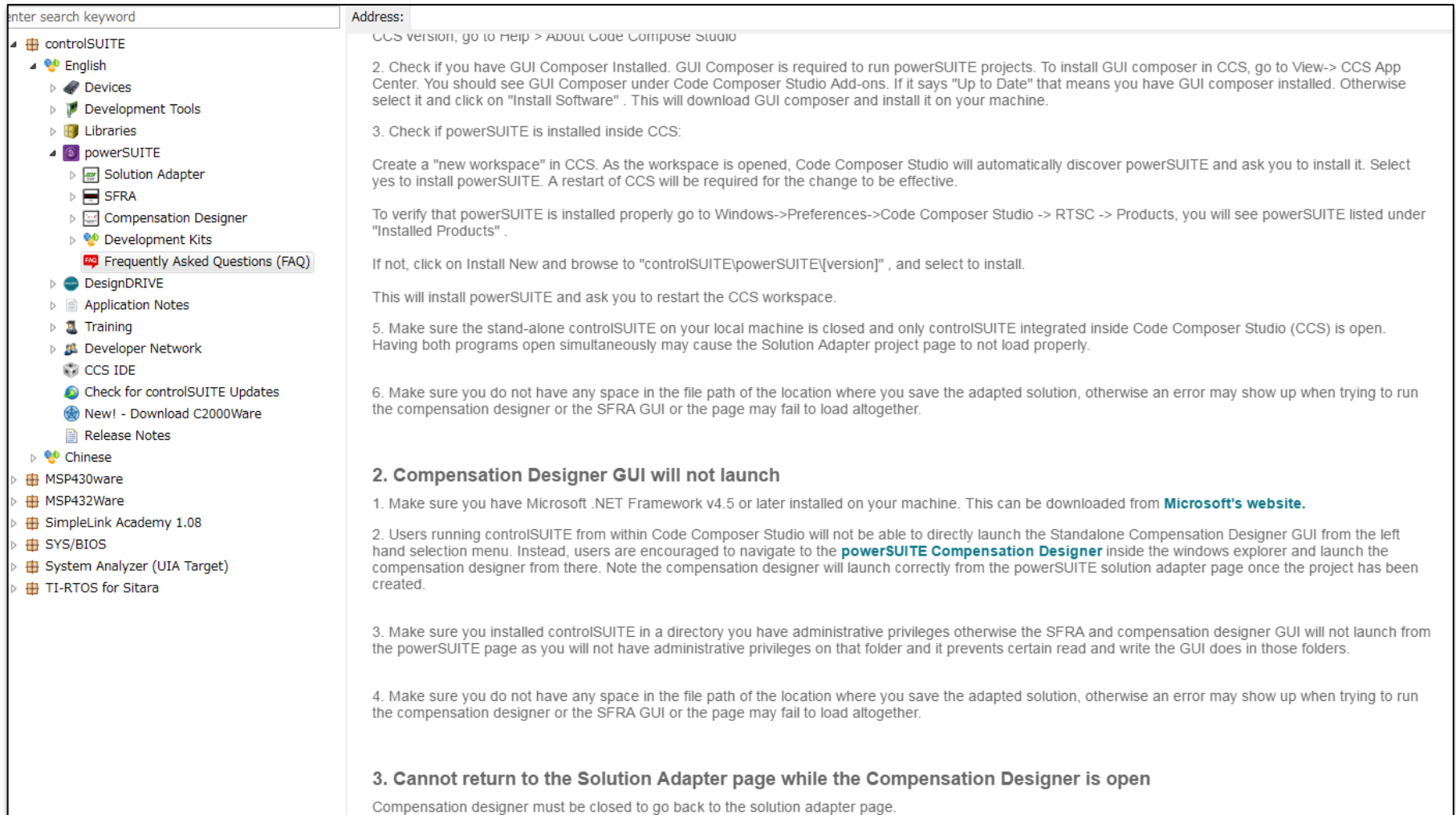
```
1 /* need to use the Home module to generate the init code */
2 var HOME = xdc.useModule('devkits.Home');
3 var buck = xdc.useModule('devkits.BOOSTXL_BUCKCONV.Buck');
4 HOME.configApiVersion = "1.00.00";
5
6 Program.stack = 128;
7 Program.argSize = 0;
8 Program.heap = 0;
9
10 buck.solution = "Buck";
11 buck.device = "F28069M";
12 buck.type = "VMC";
13
14 buck.Fsw = 200;
15 buck.Fctrl = 200;
16 buck.Vin = 9.0;
17 buck.Vout = 2.0;
18 buck.Iout = 1.2;
19 buck.Vin_SenseMax = 13.3;
20 buck.Vout_SenseMax = 6.7;
21 buck.Rds1 = 0.008;
22 buck.Rds2 = 0.0029;
23 buck.L = 4.8;
24
25
26
27 buck.Cfltr_a = 0.0033;
28 buck.Rfltr_a = 1000;
29
30 buck.adcPinIinIndex = 4;
31 buck.adcPinVINIndex = 11;
```

The Problems window at the bottom shows 0 errors, 1 warning, and 0 others. The warning is expanded to show:

Description	Resource	Path
Warnings (1 item)		

The status bar at the bottom indicates the file is 'Writable', the cursor is in 'Insert' mode, and the current line is 23 of 14.

## We also checked FAQ



enter search keyword

Address:

controlSUITE

- English
  - Devices
  - Development Tools
  - Libraries
  - powerSUITE
    - Solution Adapter
    - SFRA
    - Compensation Designer
    - Development Kits
    - Frequently Asked Questions (FAQ)**
  - DesignDRIVE
  - Application Notes
  - Training
  - Developer Network
  - CCS IDE
  - Check for controlSUITE Updates
  - New! - Download C2000Ware
  - Release Notes
- Chinese

MSP430ware

MSP432Ware

SimpleLink Academy 1.08

SYS/BIOS

System Analyzer (UIA Target)

TI-RTOS for Sitara

CCS version, go to Help > About Code Composer Studio

2. Check if you have GUI Composer Installed. GUI Composer is required to run powerSUITE projects. To install GUI composer in CCS, go to View-> CCS App Center. You should see GUI Composer under Code Composer Studio Add-ons. If it says "Up to Date" that means you have GUI composer installed. Otherwise select it and click on "Install Software" . This will download GUI composer and install it on your machine.
3. Check if powerSUITE is installed inside CCS:  
  
Create a "new workspace" in CCS. As the workspace is opened, Code Composer Studio will automatically discover powerSUITE and ask you to install it. Select yes to install powerSUITE. A restart of CCS will be required for the change to be effective.  
  
To verify that powerSUITE is installed properly go to Windows->Preferences->Code Composer Studio -> RTSC -> Products, you will see powerSUITE listed under "Installed Products" .  
  
If not, click on Install New and browse to "controlSUITE\powerSUITE\[version]" , and select to install.  
  
This will install powerSUITE and ask you to restart the CCS workspace.
5. Make sure the stand-alone controlSUITE on your local machine is closed and only controlSUITE integrated inside Code Composer Studio (CCS) is open. Having both programs open simultaneously may cause the Solution Adapter project page to not load properly.
6. Make sure you do not have any space in the file path of the location where you save the adapted solution, otherwise an error may show up when trying to run the compensation designer or the SFRA GUI or the page may fail to load altogether.

### 2. Compensation Designer GUI will not launch

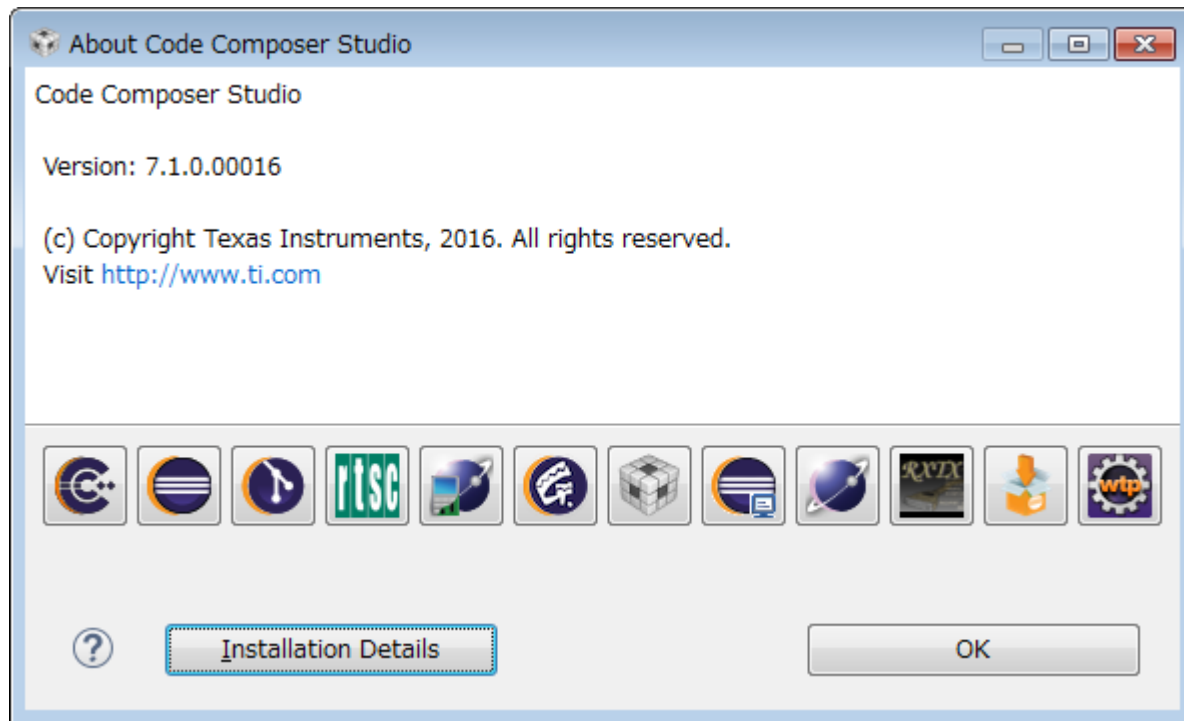
1. Make sure you have Microsoft .NET Framework v4.5 or later installed on your machine. This can be downloaded from [Microsoft's website](#).
2. Users running controlSUITE from within Code Composer Studio will not be able to directly launch the Standalone Compensation Designer GUI from the left hand selection menu. Instead, users are encouraged to navigate to the **powerSUITE Compensation Designer** inside the windows explorer and launch the compensation designer from there. Note the compensation designer will launch correctly from the powerSUITE solution adapter page once the project has been created.
3. Make sure you installed controlSUITE in a directory you have administrative privileges otherwise the SFRA and compensation designer GUI will not launch from the powerSUITE page as you will not have administrative privileges on that folder and it prevents certain read and write the GUI does in those folders.
4. Make sure you do not have any space in the file path of the location where you save the adapted solution, otherwise an error may show up when trying to run the compensation designer or the SFRA GUI or the page may fail to load altogether.

### 3. Cannot return to the Solution Adapter page while the Compensation Designer is open

Compensation designer must be closed to go back to the solution adapter page.

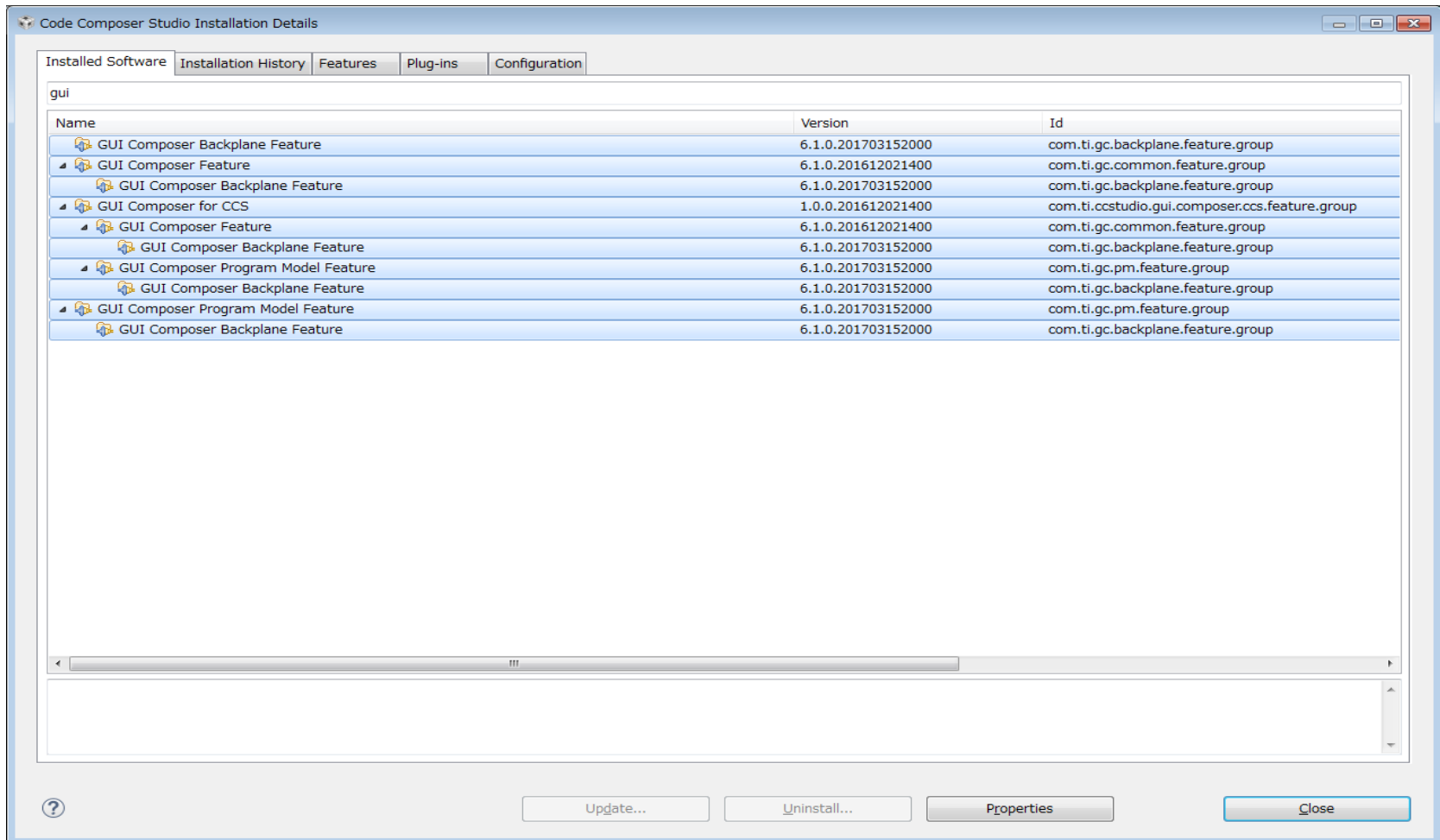
## FAQ1-1.

Check if you have the correct CCS version installed for powerSUITE. CCS version 6.1 or above is required to run powerSUITE projects. To check which your CCS version, go to Help > About Code Composer Studio



## FAQ1-2.

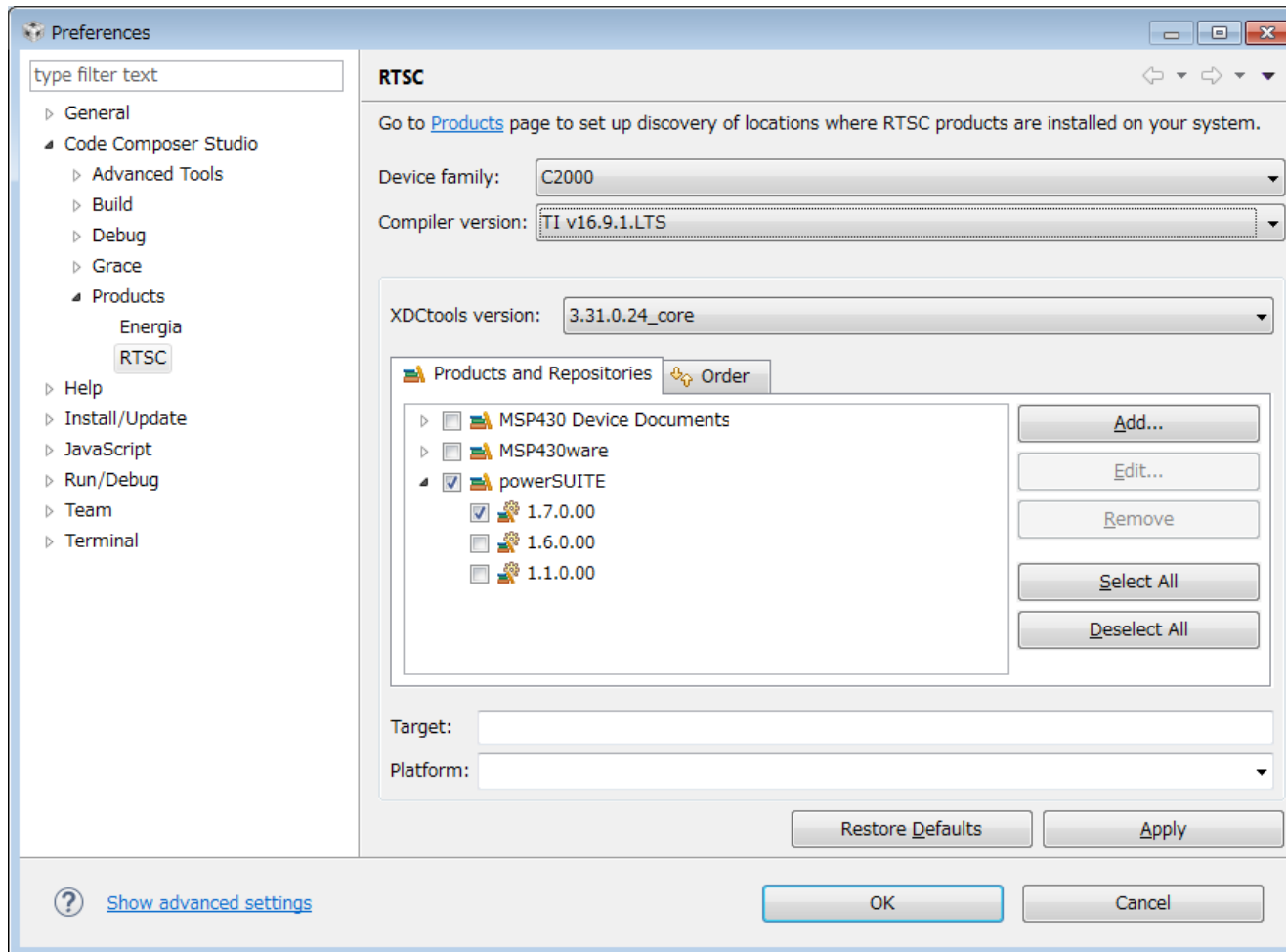
Check if you have GUI Composer Installed. GUI Composer is required to run powerSUITE projects. To install GUI composer in CCS, go to View-> CCS App Center. You should see GUI Composer under Code Composer Studio Add-ons. If it says "Up to Date" that means you have GUI composer installed. Otherwise select it and **click on "Install Software"** . This will download GUI composer and install it on your machine.



### FAQ1-3. Check if powerSUITE is installed inside CCS:

Create a "new workspace" in CCS. As the workspace is opened, Code Composer Studio will automatically discover powerSUITE and ask you to install it. Select yes to install powerSUITE. A restart of CCS will be required for the change to be effective.

To verify that powerSUITE is installed properly go to **Windows->Preferences->Code Composer Studio -> RTSC -> Products**, you will see powerSUITE listed under "Installed Products" .



## FAQ2-1.

Make sure you have Microsoft .NET Framework v4.5 or later installed on your machine. This can be downloaded from Microsoft's website.

The screenshot shows the Windows Registry Editor window. The left pane displays the tree structure of the registry, with the path `Microsoft Reference > MigWiz > MMC > Mobile > MSBuild > MSDE > MSDTC > MSF > MSLicensing > MSN Apps > MSOSOAP > MSSearch36 > MSSQLServer > Multimedia > NapServer > NET Framework Setup > NDP > v4 > Full` expanded. The right pane shows a list of registry values for the selected path:

名前	種類	データ
(既定)	REG_SZ	(値の設定なし)
Install	REG_DWORD	0x00000001 (1)
InstallPath	REG_SZ	C:\Windows\Microsoft.NET\Framework\v4....
MSI	REG_DWORD	0x00000001 (1)
Release	REG_DWORD	0x0005cbf5 (379893)
Servicing	REG_DWORD	0x00000000 (0)
TargetVersion	REG_SZ	4.0.0
Version	REG_SZ	4.5.51209

A red callout box points to the 'Release' value, containing the text: "379893" means ".NET Framework 4.5.2 is installed".