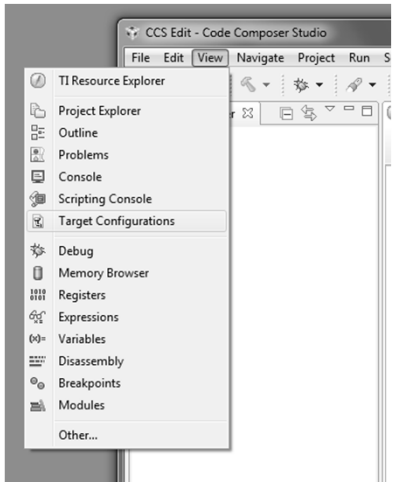
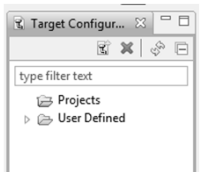
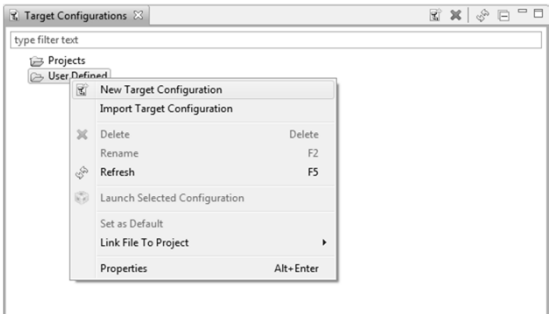
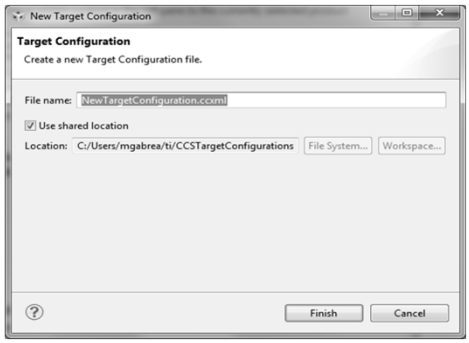
Code Composer Studio v5 – Ex01a

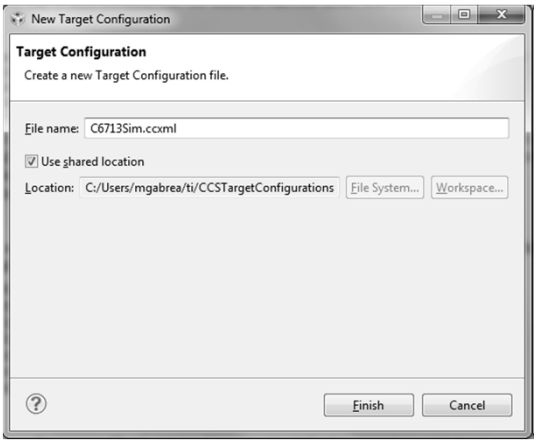





Target Configurations
type filter text
Projects
User-Defined
New Target Configuration
Import Target Configuration
Delete Delete
Rename F2
Refresh F5
Launch Selected Configuration
Set as Default
Link File To Project
Properties Alt+Enter


New Target Configuration
Target Configuration
Create a new Target Configuration file.
File name: NewTargetConfiguration.ccxml
Use shared location
Location: C:/Users/mgabrea/ti/CCSTargetConfigurations
File System...
Workspace...
Finish
Cancel

3


New Target Configuration
Target Configuration
Create a new Target Configuration file.
File name: C6713Sim.ccxml
Use shared location
Location: C:/Users/mgabrea/ti/CCSTargetConfigurations
File System...
Workspace...
Finish
Cancel

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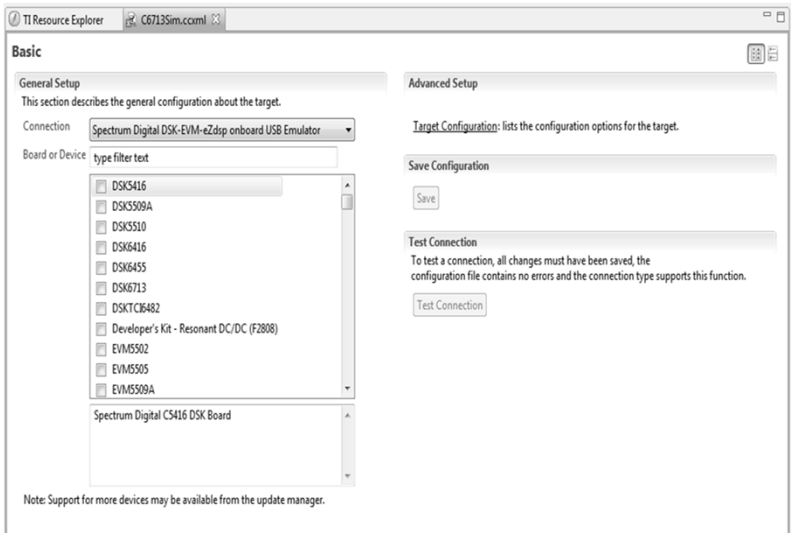

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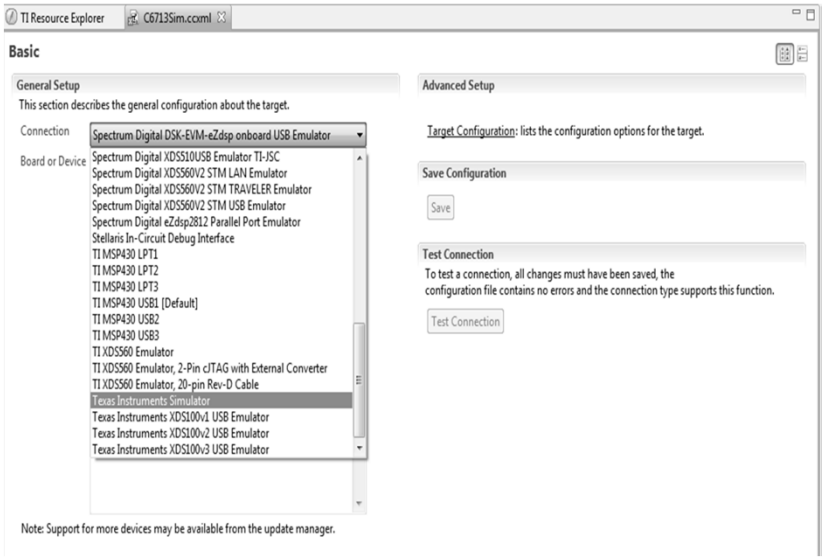
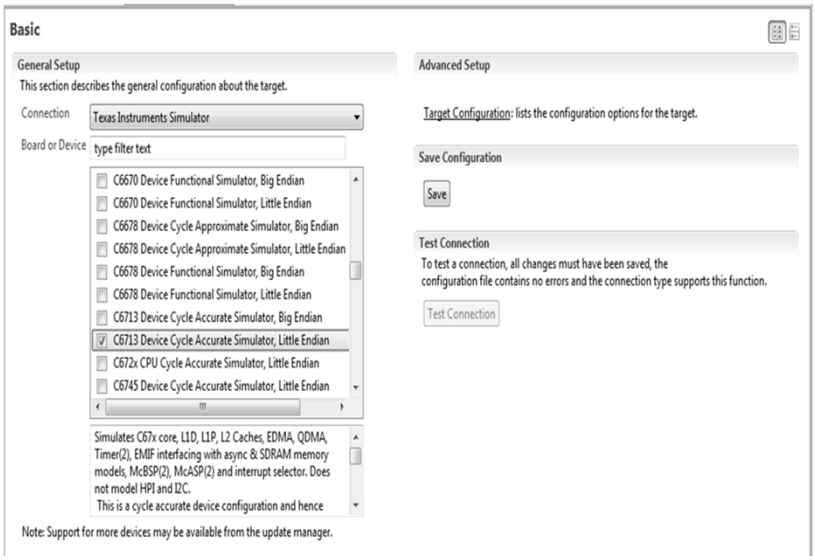
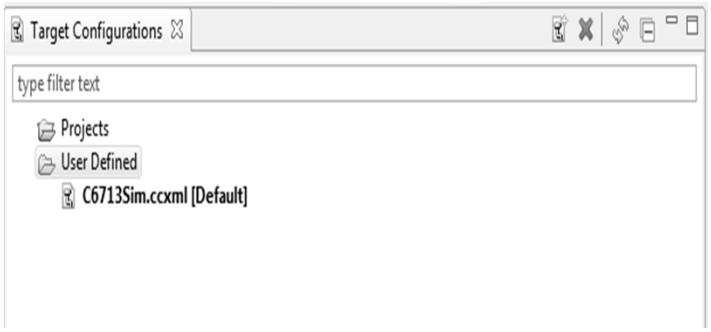
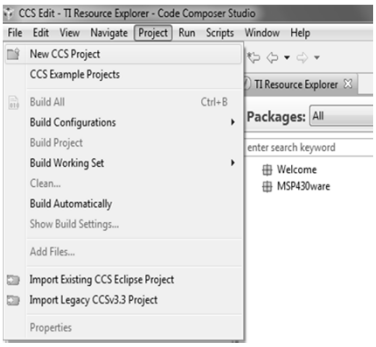
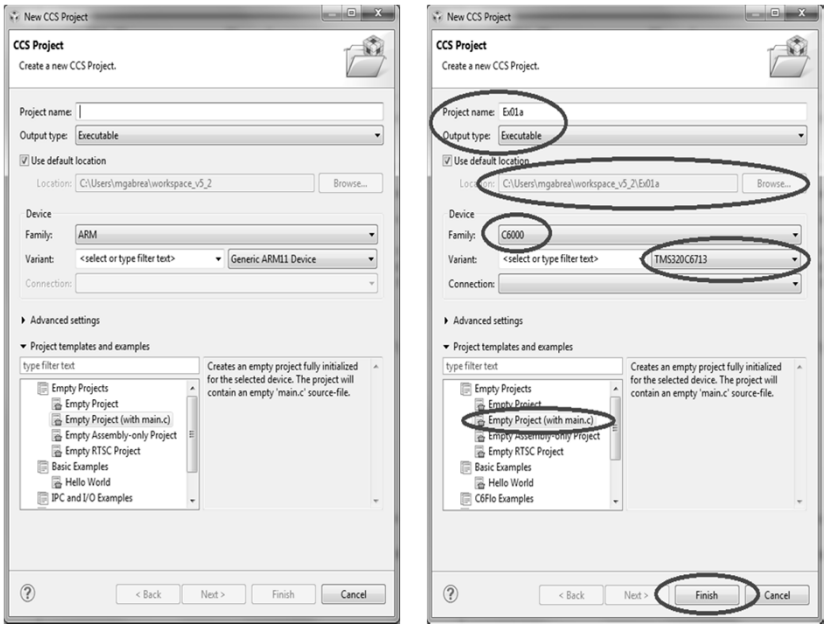
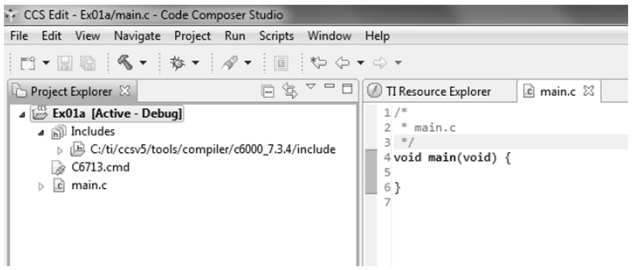


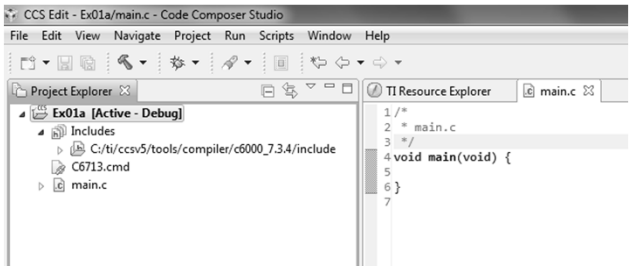

Basic
General Setup
This section describes the general configuration about the target.
Connection
Texas Instruments Simulator
Board or Device
type filter text
C6670 Device Functional Simulator, Big Endian
C6670 Device Functional Simulator, Little Endian
C6678 Device Cycle Approximate Simulator, Big Endian
C6678 Device Cycle Approximate Simulator, Little Endian
C6678 Device Functional Simulator, Big Endian
C6678 Device Functional Simulator, Little Endian
C6713 Device Cycle Accurate Simulator, Big Endian
C6713 Device Cycle Accurate Simulator, Little Endian
C672x CPU Cycle Accurate Simulator, Little Endian
C6745 Device Cycle Accurate Simulator, Little Endian
Simulates C67x core, L1D, L1P, L2 Caches, EDMA, QDMA, Timer(2), EMIF interfacing with async & SDRAM memory models, McBSP(2), McASP(2) and interrupt selector. Does not model HPI and I2C.
This is a cycle accurate device configuration and hence
Note: Support for more devices may be available from the update manager.
Advanced Setup
Target Configuration: lists the configuration options for the target.
Save Configuration
Save
Test Connection
To test a connection, all changes must have been saved, the configuration file contains no errors and the connection type supports this function.
Test Connection


Target Configurations
type filter text
Projects
User Defined
C6713Sim.ccxml [Default]


CCS Edit - TI Resource Explorer - Code Composer Studio
File Edit View Navigate Project Run Scripts Window Help
New CCS Project
CCS Example Projects
Build All Ctrl+B
Build Configurations
Build Project
Build Working Set
Clean...
Build Automatically
Show Build Settings...
Add Files...
Import Existing CCS Eclipse Project
Import Legacy CCSv3.3 Project
Properties
TI Resource Explorer
Packages: All
enter search keyword
Welcome
MSP430ware


New CCS Project
CCS Project
Create a new CCS Project.
Project name:
Output type: Executable
Use default location
Location: C:\Users\mgabrea\workspace_v5_2
Browse...
Device
Family: ARM
Variant: <select or type filter text> Generic ARM11 Device
Connection:
Advanced settings
Project templates and examples
type filter text
Empty Projects
Empty Project
Empty Project (with main.c)
Empty Assembly-only Project
Empty RTSC Project
Basic Examples
Hello World
IPC and I/O Examples
Creates an empty project fully initialized for the selected device. The project will contain an empty 'main.c' source-file.
< Back
Next >
Finish
Cancel
New CCS Project
CCS Project
Create a new CCS Project.
Project name: Ex01a
Output type: Executable
Use default location
Location: C:\Users\mgabrea\workspace_v5_2\Ex01a
Browse...
Device
Family: C6000
Variant: <select or type filter text> TMS320C6713
Connection:
Advanced settings
Project templates and examples
type filter text
Empty Projects
Empty Project
Empty Project (with main.c)
Empty Assembly-only Project
Empty RTSC Project
Basic Examples
Hello World
C6Flo Examples
Creates an empty project fully initialized for the selected device. The project will contain an empty 'main.c' source-file.
< Back
Next >
Finish
Cancel


CCS Edit - Ex01a/main.c - Code Composer Studio
File Edit View Navigate Project Run Scripts Window Help
Project Explorer
Ex01a [Active - Debug]
Includes
C:/ti/ccsv5/tools/compiler/c6000_7.3.4/include
C6713.cmd
main.c
TI Resource Explorer
main.c
1 /*
2 * main.c
3 */
4 void main(void) {
5
6 }
7


CCS Edit - Ex01a/main.c - Code Composer Studio
File Edit View Navigate Project Run Scripts Window Help
Project Explorer
Ex01a [Active - Debug]
Includes
C:/ti/ccsv5/tools/compiler/c6000_7.3.4/include
C6713.cmd
main.c
TI Resource Explorer
main.c
1 /*
2 * main.c
3 */
4 void main(void) {
5
6 }
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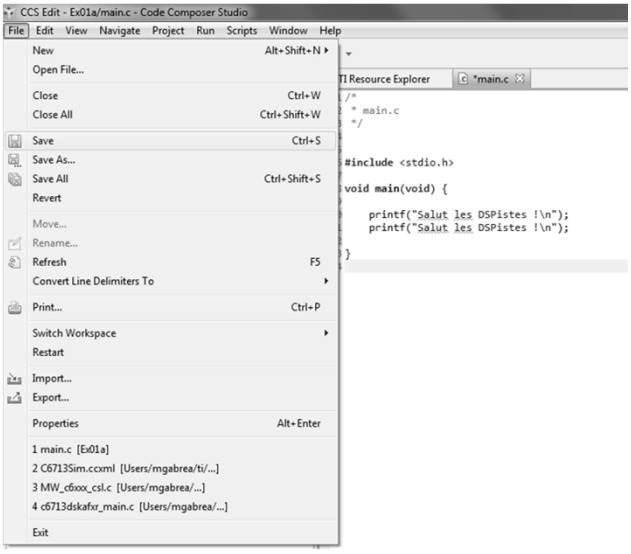
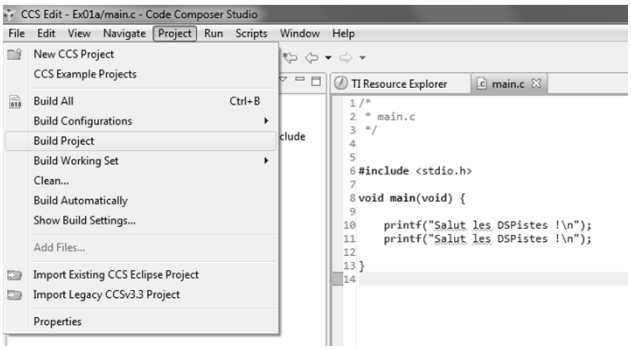
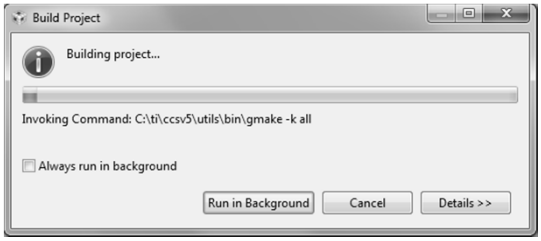
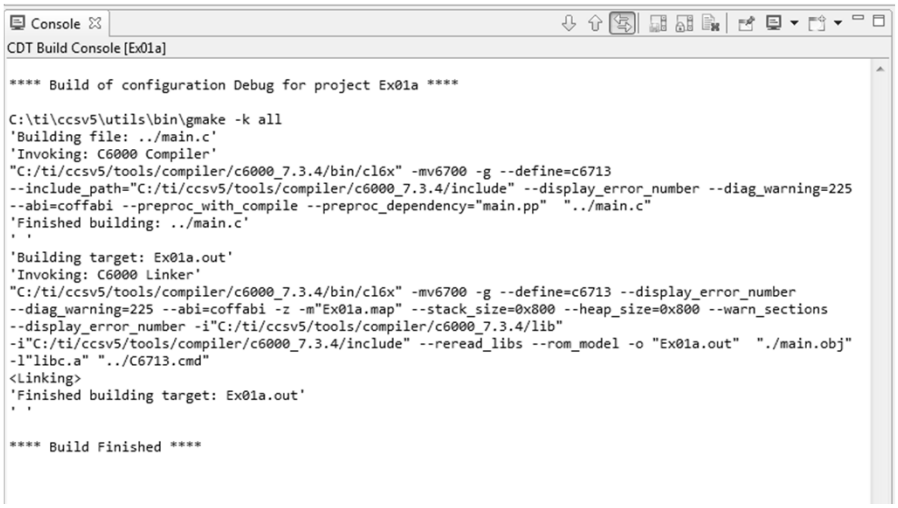

CCS Edit - Ex01a/main.c - Code Composer Studio
File Edit View Navigate Project Run Scripts Window Help
New Alt+Shift+N
Open File...
Close Ctrl+W
Close All Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All Ctrl+Shift+S
Revert
Move...
Rename...
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Switch Workspace
Restart
Import...
Export...
Properties Alt+Enter
1 main.c [Ex01a]
2 C6713Sim.ccxml [Users/mgabrea/ti/...]
3 MW_c6xxx_csl.c [Users/mgabrea/...]
4 c6713dskafxr_main.c [Users/mgabrea/...]
Exit
TI Resource Explorer
*main.c
/*
* main.c
*/
#include <stdio.h>
void main(void) {
printf("Salut les DSPistes !\n");
printf("Salut les DSPistes !\n");
}


CCS Edit - Ex01a/main.c - Code Composer Studio
File Edit View Navigate Project Run Scripts Window Help
New CCS Project
CCS Example Projects
Build All Ctrl+B
Build Configurations
Build Project
Build Working Set
Clean...
Build Automatically
Show Build Settings...
Add Files...
Import Existing CCS Eclipse Project
Import Legacy CCSv3.3 Project
Properties
TI Resource Explorer
main.c
/*
* main.c
*/
#include <stdio.h>
void main(void) {
printf("Salut les DSPistes !\n");
printf("Salut les DSPistes !\n");
}


Build Project
Building project...
Invoking Command: C:\ti\ccsv5\utils\bin\gmake -k all
Always run in background
Run in Background
Cancel
Details >>


Console
CDT Build Console [Ex01a]
**** Build of configuration Debug for project Ex01a ****
C:\ti\ccsv5\utils\bin\gmake -k all
'Building file: ../main.c'
'Invoking: C6000 Compiler'
"C:/ti/ccsv5/tools/compiler/c6000_7.3.4/bin/cl6x" -mv6700 -g --define=c6713
--include_path="C:/ti/ccsv5/tools/compiler/c6000_7.3.4/include" --display_error_number --diag_warning=225
--abi=coffabi --preproc_with_compile --preproc_dependency="main.pp" "../main.c"
'Finished building: ../main.c'
' '
'Building target: Ex01a.out'
'Invoking: C6000 Linker'
"C:/ti/ccsv5/tools/compiler/c6000_7.3.4/bin/cl6x" -mv6700 -g --define=c6713 --display_error_number
--diag_warning=225 --abi=coffabi -z -m"Ex01a.map" --stack_size=0x800 --heap_size=0x800 --warn_sections
--display_error_number -i"C:/ti/ccsv5/tools/compiler/c6000_7.3.4/lib"
-i"C:/ti/ccsv5/tools/compiler/c6000_7.3.4/include" --reread_libs --rom_model -o "Ex01a.out" "./main.obj"
-l"libc.a" "../C6713.cmd"
<Linking>
'Finished building target: Ex01a.out'
' '
**** Build Finished ****

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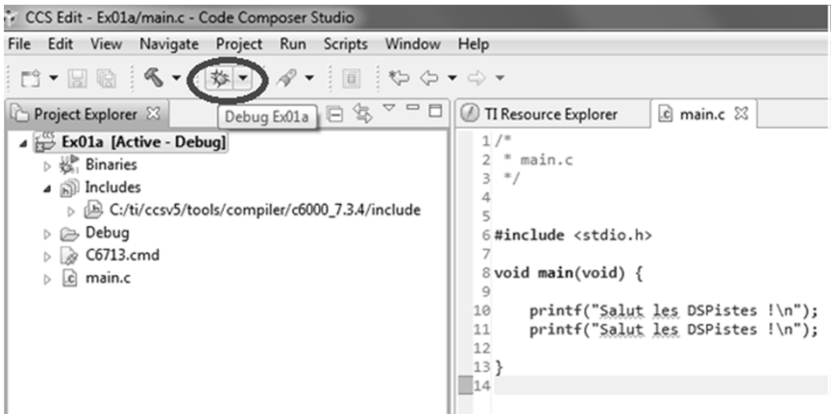

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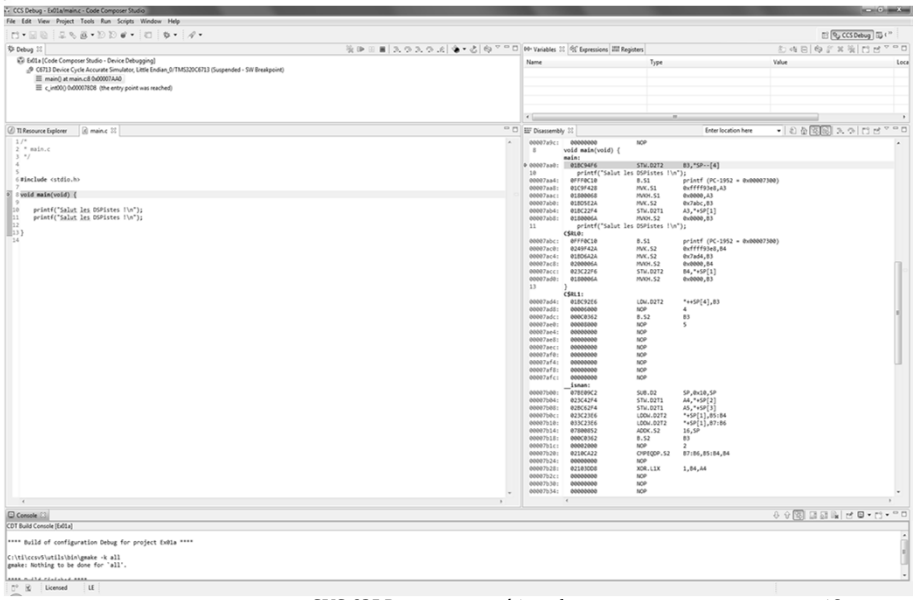
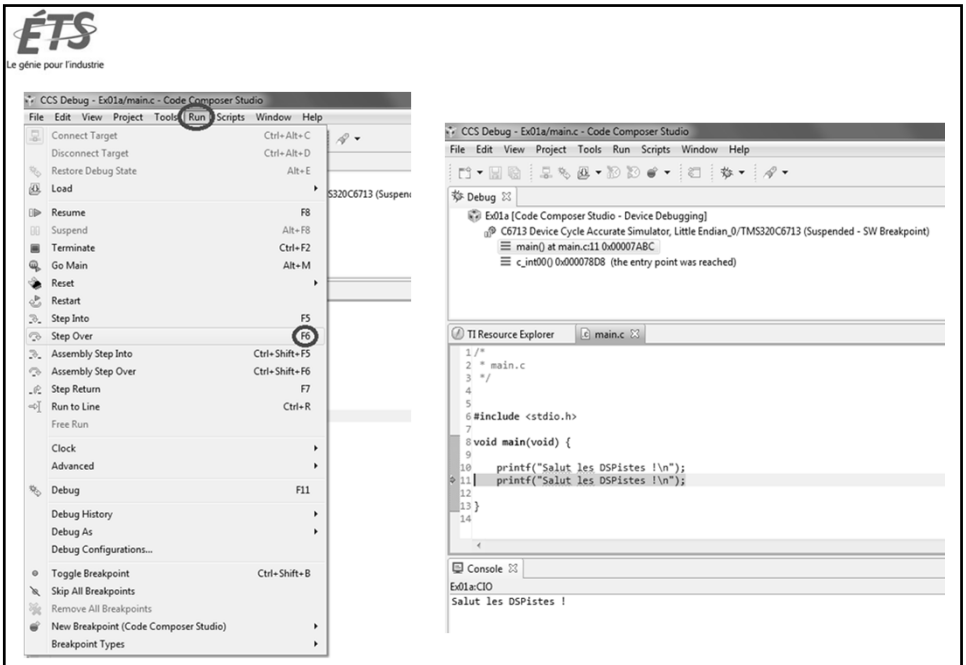
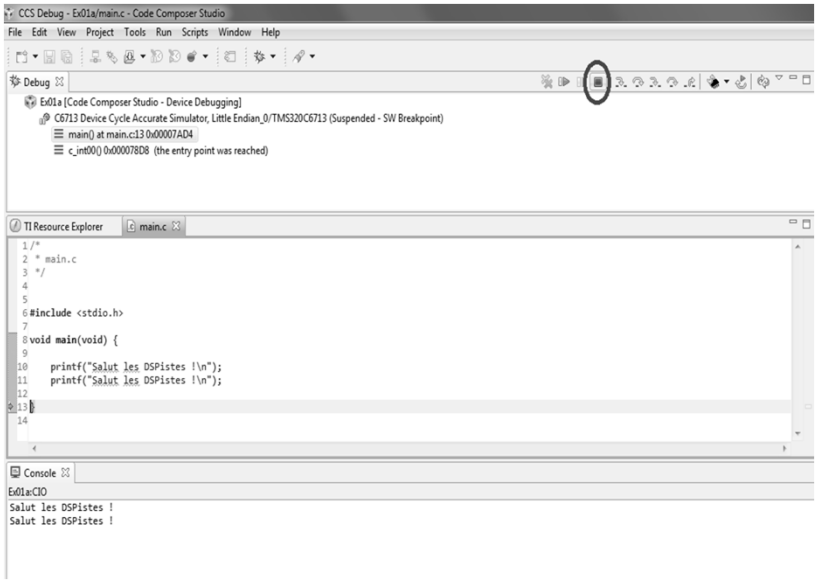
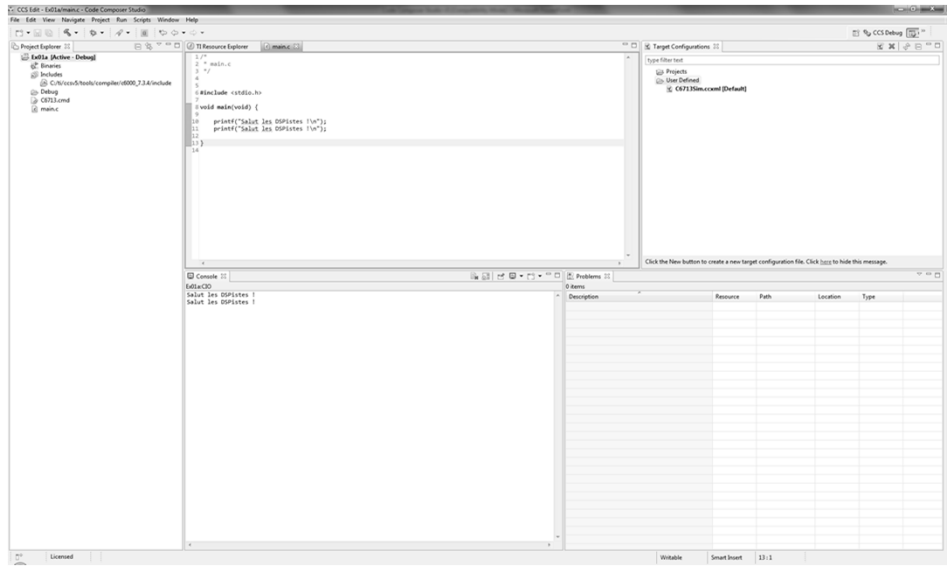



CCS Debug - Ex01a/main.c - Code Composer Studio
File Edit View Project Tools Run Scripts Window Help
Connect Target Ctrl+Alt+C
Disconnect Target Ctrl+Alt+D
Restore Debug State Alt+E
Load
Resume F8
Suspend Alt+F8
Terminate Ctrl+F2
Go Main Alt+M
Reset
Restart
Step Into F5
Step Over F6
Assembly Step Into Ctrl+Shift+F5
Assembly Step Over Ctrl+Shift+F6
Step Return F7
Run to Line Ctrl+R
Free Run
Clock
Advanced
Debug F11
Debug History
Debug As
Debug Configurations...
Toggle Breakpoint Ctrl+Shift+B
Skip All Breakpoints
Remove All Breakpoints
New Breakpoint (Code Composer Studio)
Breakpoint Types
CCS Debug - Ex01a/main.c - Code Composer Studio
File Edit View Project Tools Run Scripts Window Help
Debug
Ex01a [Code Composer Studio - Device Debugging]
C6713 Device Cycle Accurate Simulator, Little Endian_0/TMS320C6713 (Suspended - SW Breakpoint)
main() at main.c:11 0x00007ABC
c_int00() 0x000078D8 (the entry point was reached)
TI Resource Explorer
main.c
1 /*
2 * main.c
3 */
4
5
6 #include <stdio.h>
7
8 void main(void) {
9
10 printf("Salut les DSPistes !\n");
11 printf("Salut les DSPistes !\n");
12
13 }
14
Console
Ex01a:CIO
Salut les DSPistes !


CCS Debug - Ex01a/main.c - Code Composer Studio
File Edit View Project Tools Run Scripts Window Help
Debug
Ex01a [Code Composer Studio - Device Debugging]
C6713 Device Cycle Accurate Simulator, Little Endian_0/TMS320C6713 (Suspended - SW Breakpoint)
main() at main.c:13 0x00007AD4
c_int00() 0x000078D8 (the entry point was reached)
TI Resource Explorer
main.c
1 /*
2 * main.c
3 */
4
5
6 #include <stdio.h>
7
8 void main(void) {
9
10 printf("Salut les DSPistes !\n");
11 printf("Salut les DSPistes !\n");
12
13 }
14
Console
Ex01a:CIO
Salut les DSPistes !
Salut les DSPistes !

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