TI MCU, DSP 및 Xilinx FPGA 프로그래밍 전문가 과정

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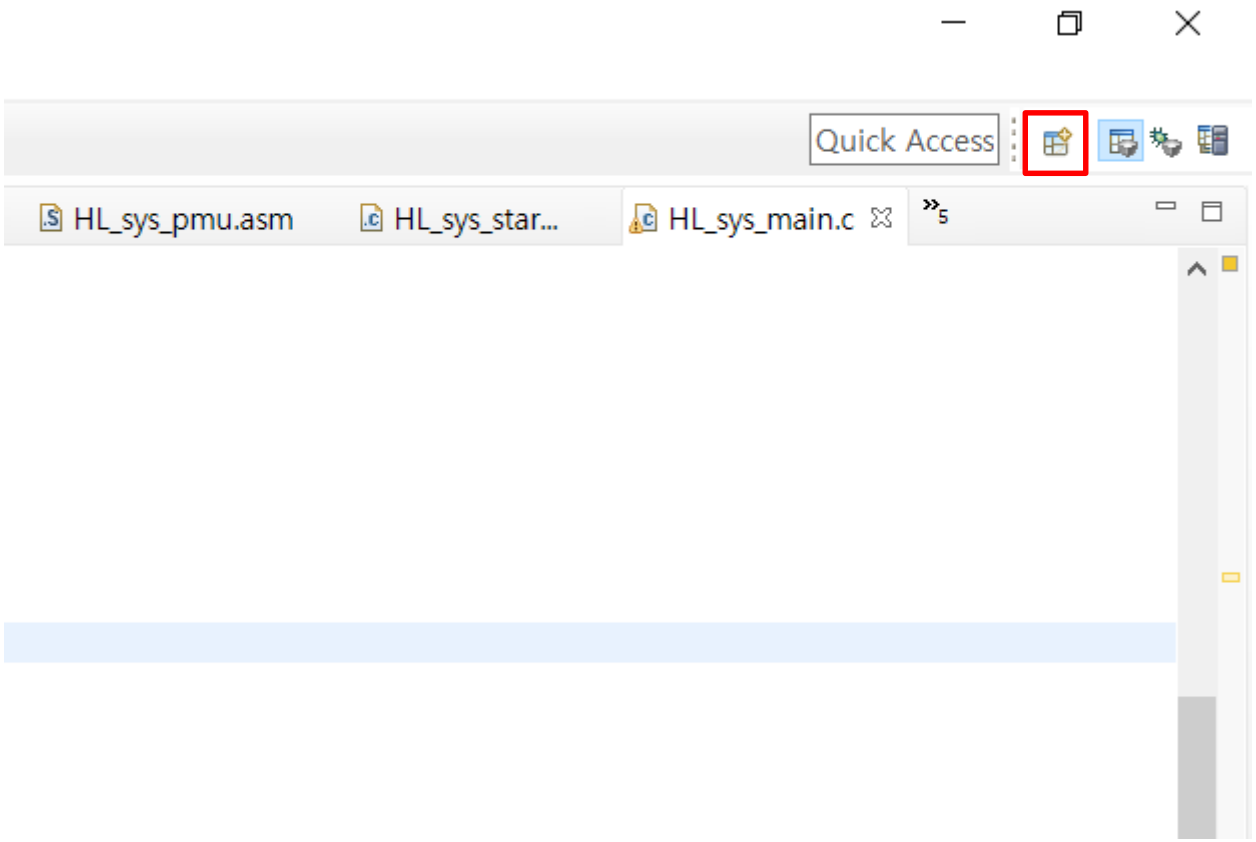
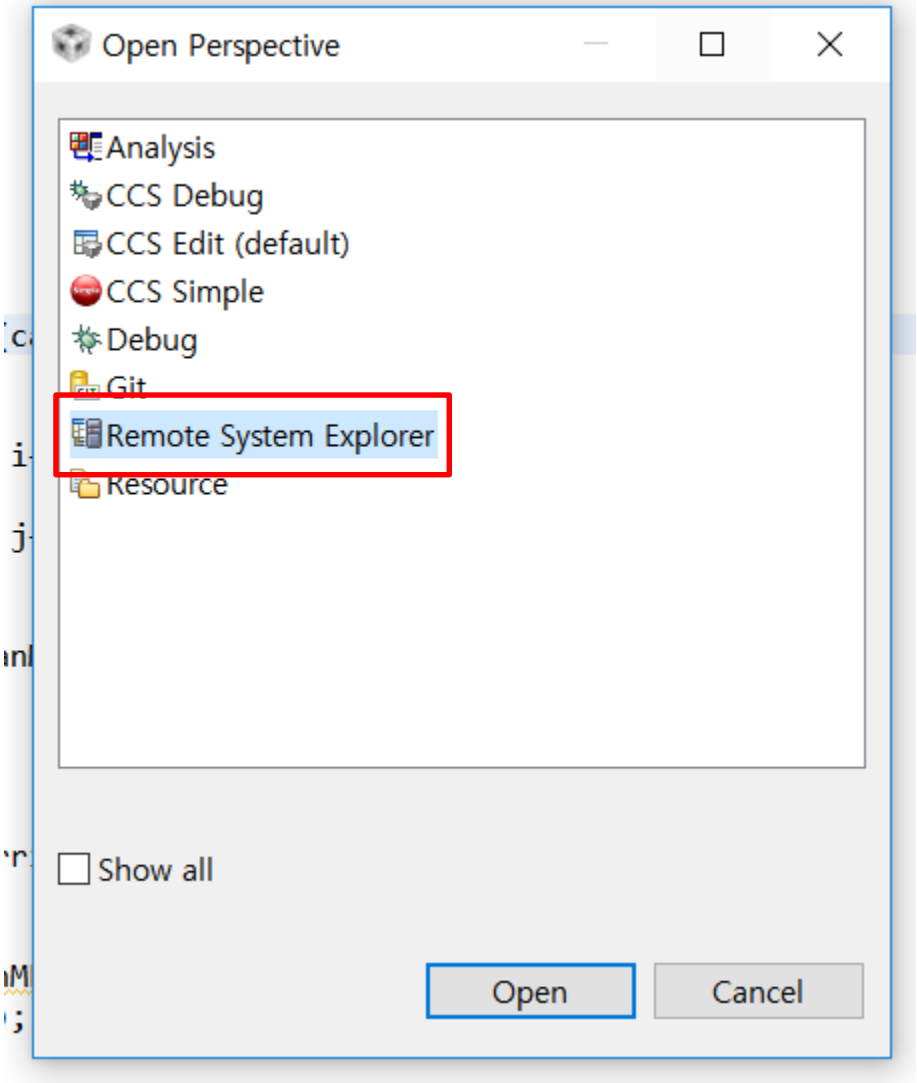
AM5728 Remote System Explorer Configuration

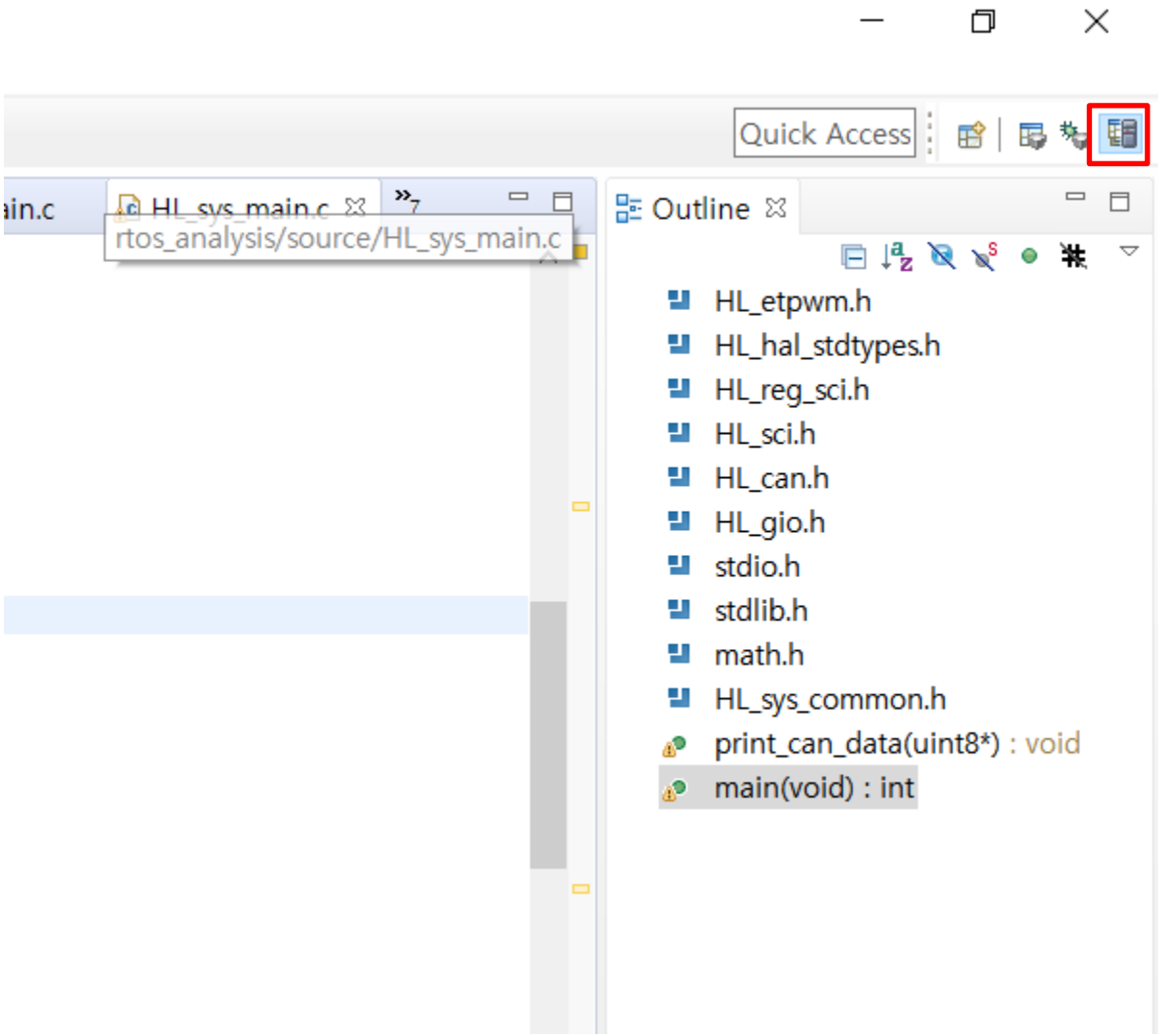
먼저 CCS 를 구동시키도록 한다.
아래 빨간 박스를 눌러 Perspective 를 설정하도록 한다.

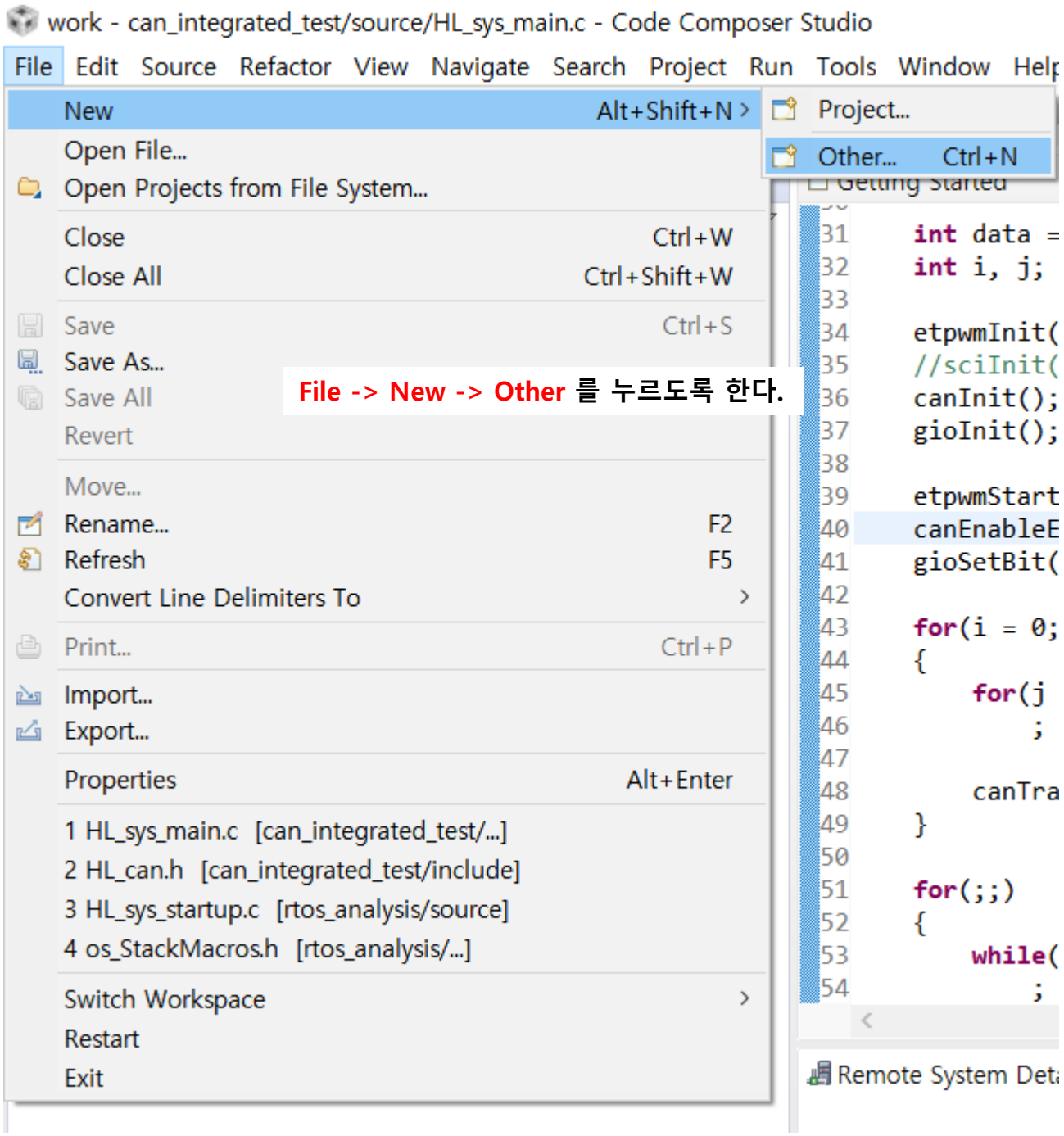


빨간 박스에 해당하는 Remote System Explorer 를 선택하고 Open 한다.

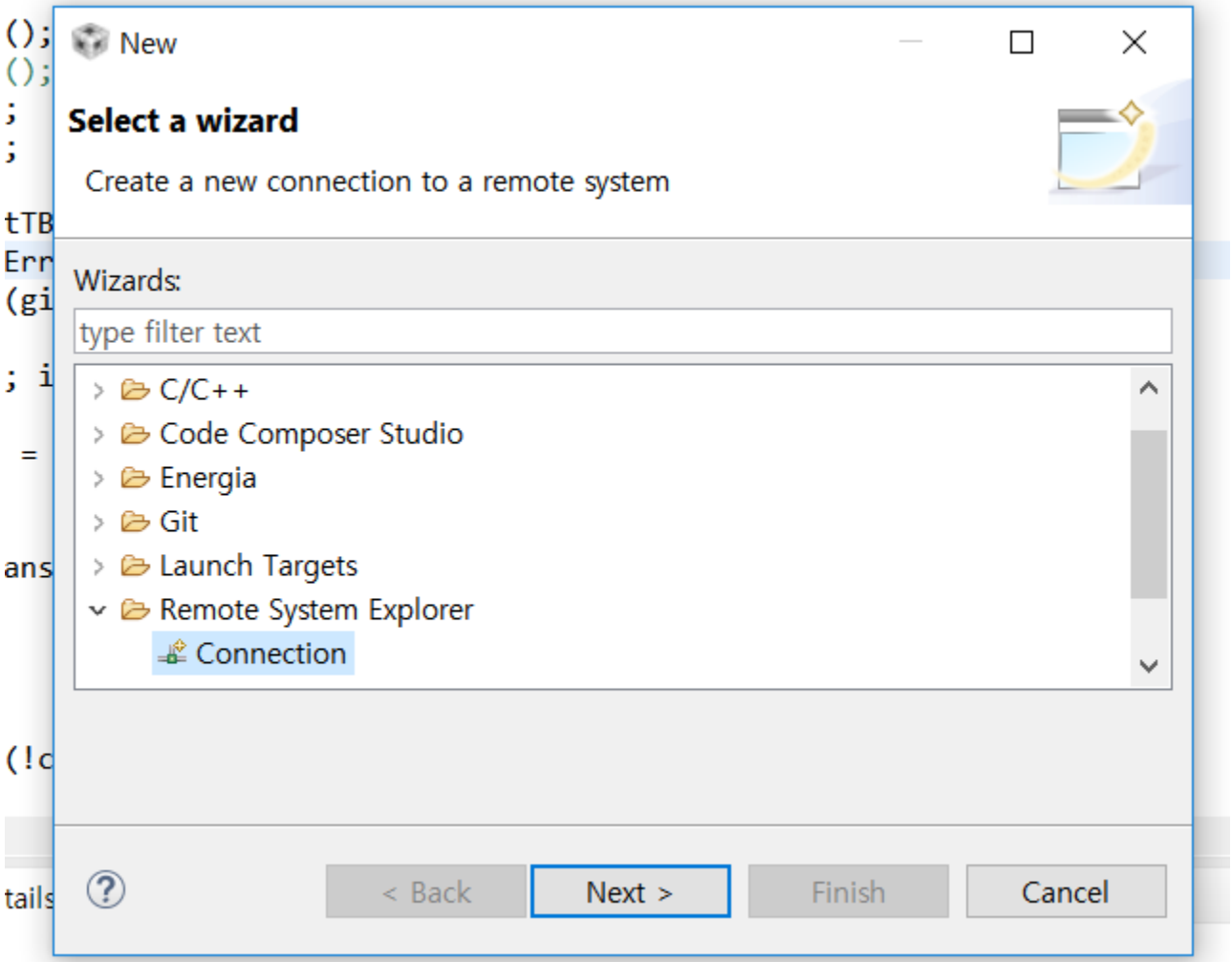


아래와 같이 빨간 박스에 있는 아이콘이 새로 추가되게 된다.
이제 원격지에 있는 정보를 로컬 상에서 사용할 수 있게 되었다.

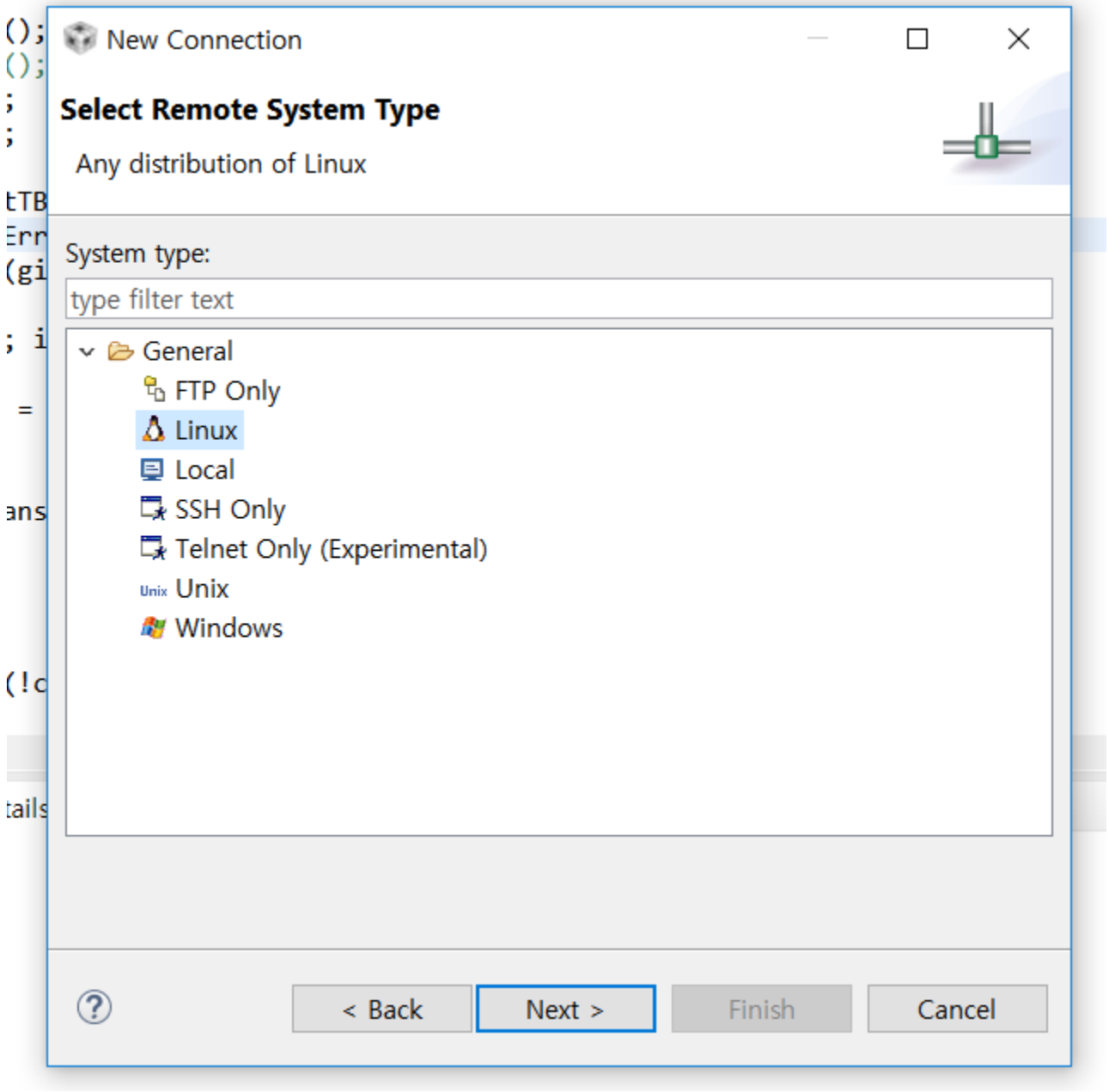



work - can_integrated_test/source/HL_sys_main.c - Code Composer Studio
File Edit Source Refactor View Navigate Search Project Run Tools Window Help
New Alt+Shift+N
Open File...
Open Projects from File System...
Close Ctrl+W
Close All Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All
Revert
Move...
Rename... F2
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Import...
Export...
Properties Alt+Enter
1 HL_sys_main.c [can_integrated_test/...]
2 HL_can.h [can_integrated_test/include]
3 HL_sys_startup.c [rtos_analysis/source]
4 os_StackMacros.h [rtos_analysis/...]
Switch Workspace
Restart
Exit
Project...
Other... Ctrl+N
Getting Started
File -> New -> Other 를 누르도록 한다.
31 int data =
32 int i, j;
33
34 etpwmInit(
35 //sciInit(
36 canInit();
37 gioInit();
38
39 etpwmStart
40 canEnableE
41 gioSetBit(
42
43 for(i = 0;
44 {
45 for(j
46 ;
47
48 canTra
49 }
50
51 for(;;)
52 {
53 while(
54 ;
Remote System Det

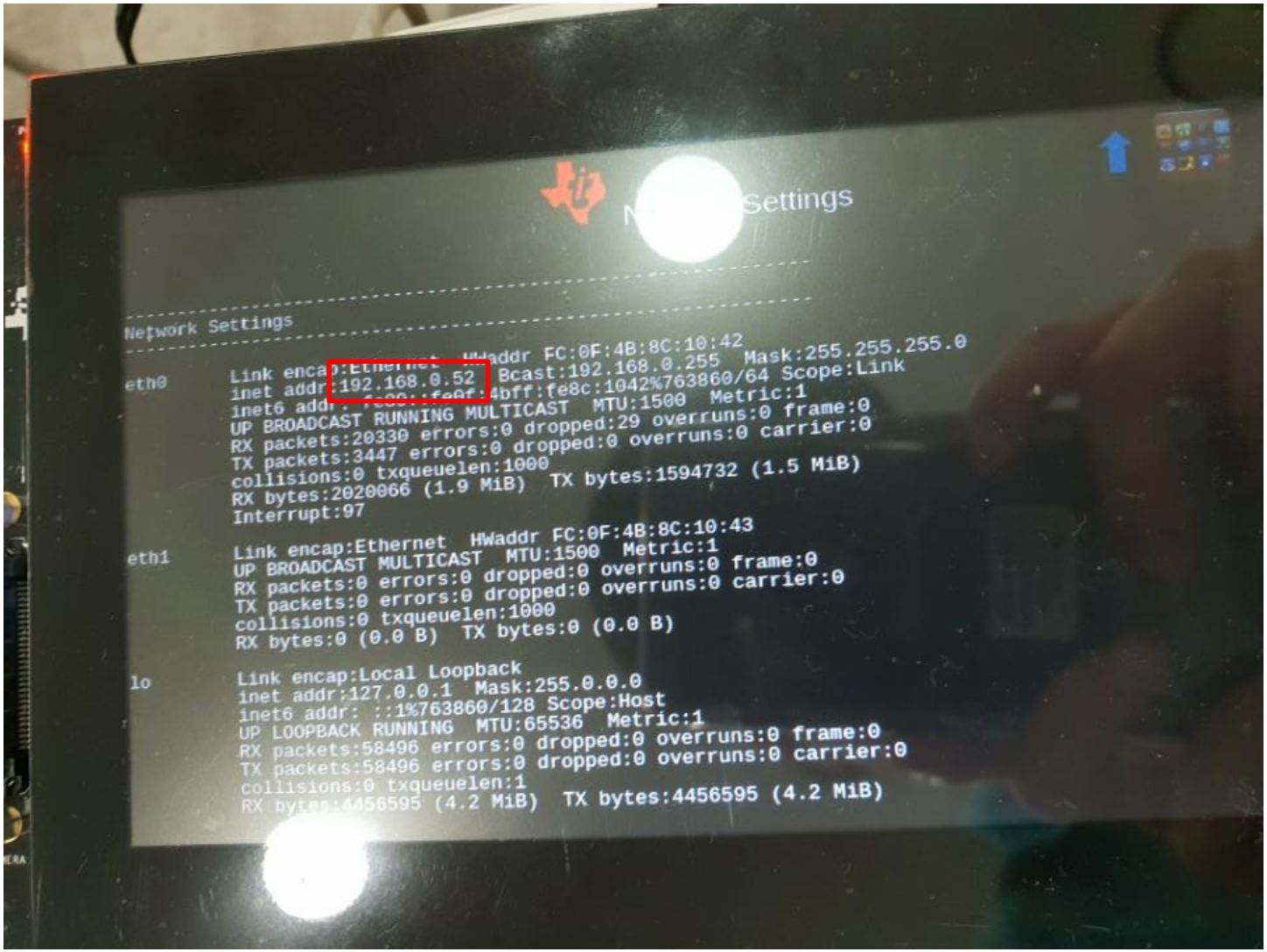
Remote System Explorer -> Connection 을 선택하고 Next



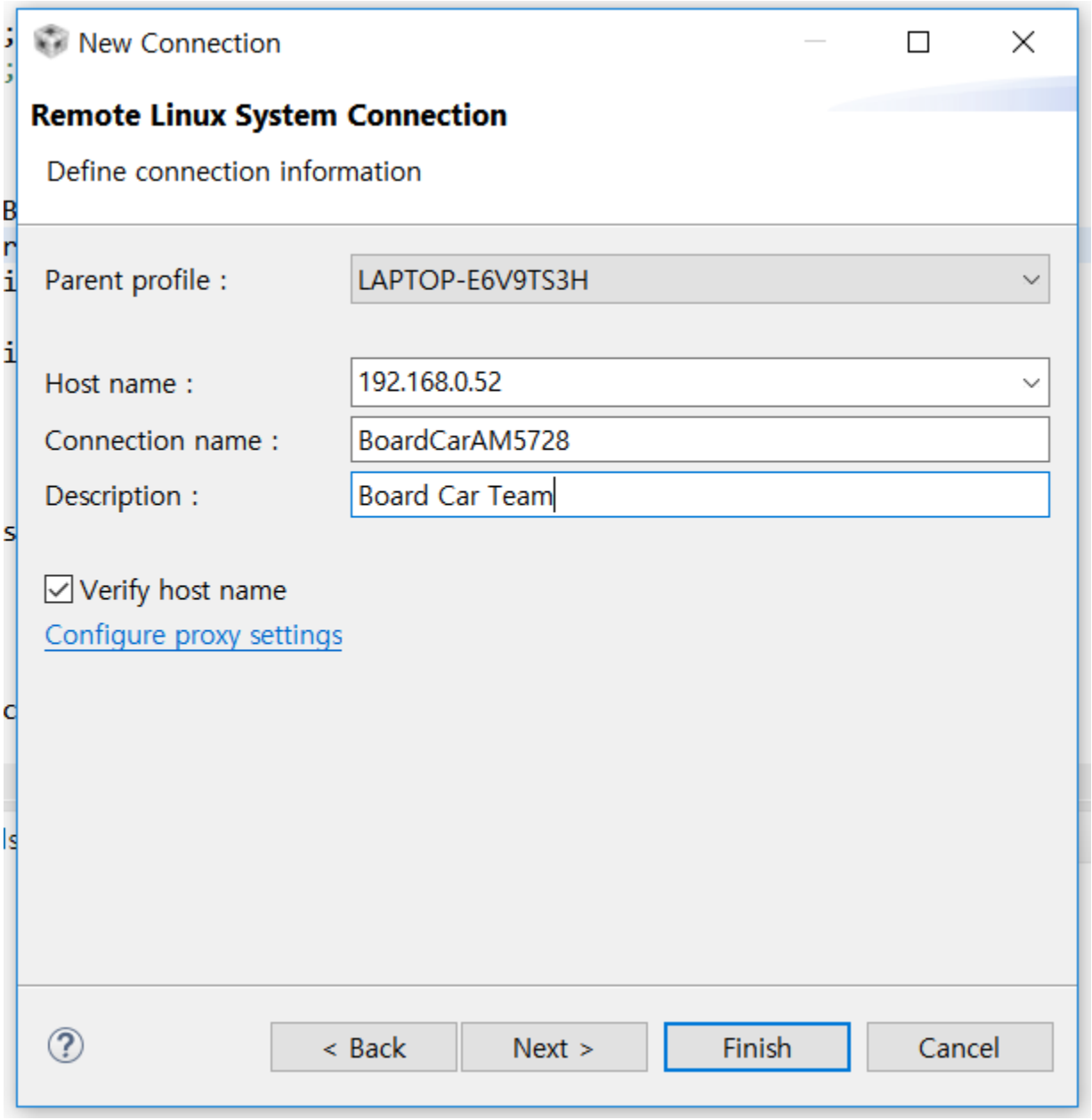
Linux 를 선택한다.

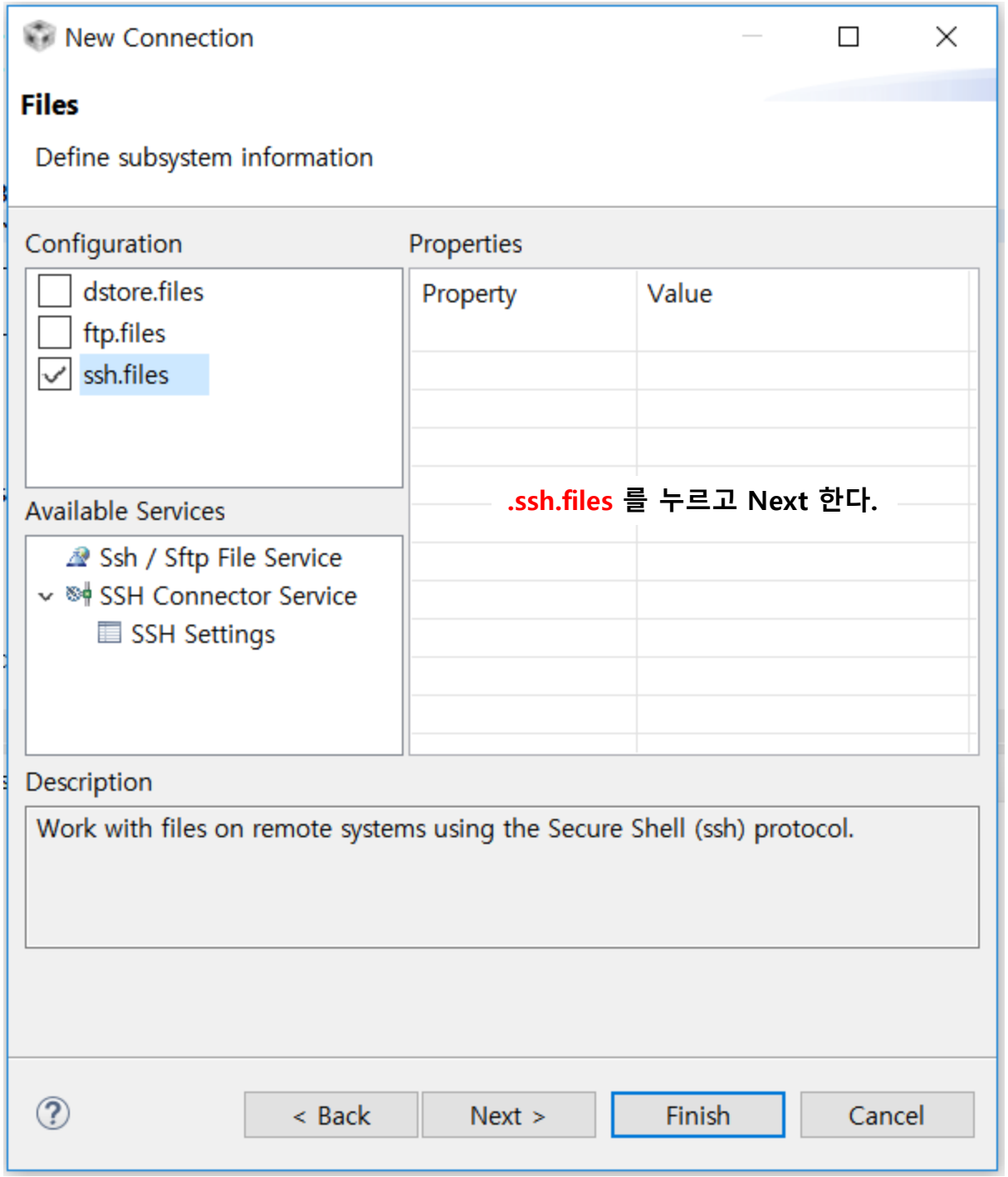

New Connection
Select Remote System Type
Any distribution of Linux
System type:
type filter text
General
FTP Only
Linux
Local
SSH Only
Telnet Only (Experimental)
Unix
Windows
< Back
Next >
Finish
Cancel

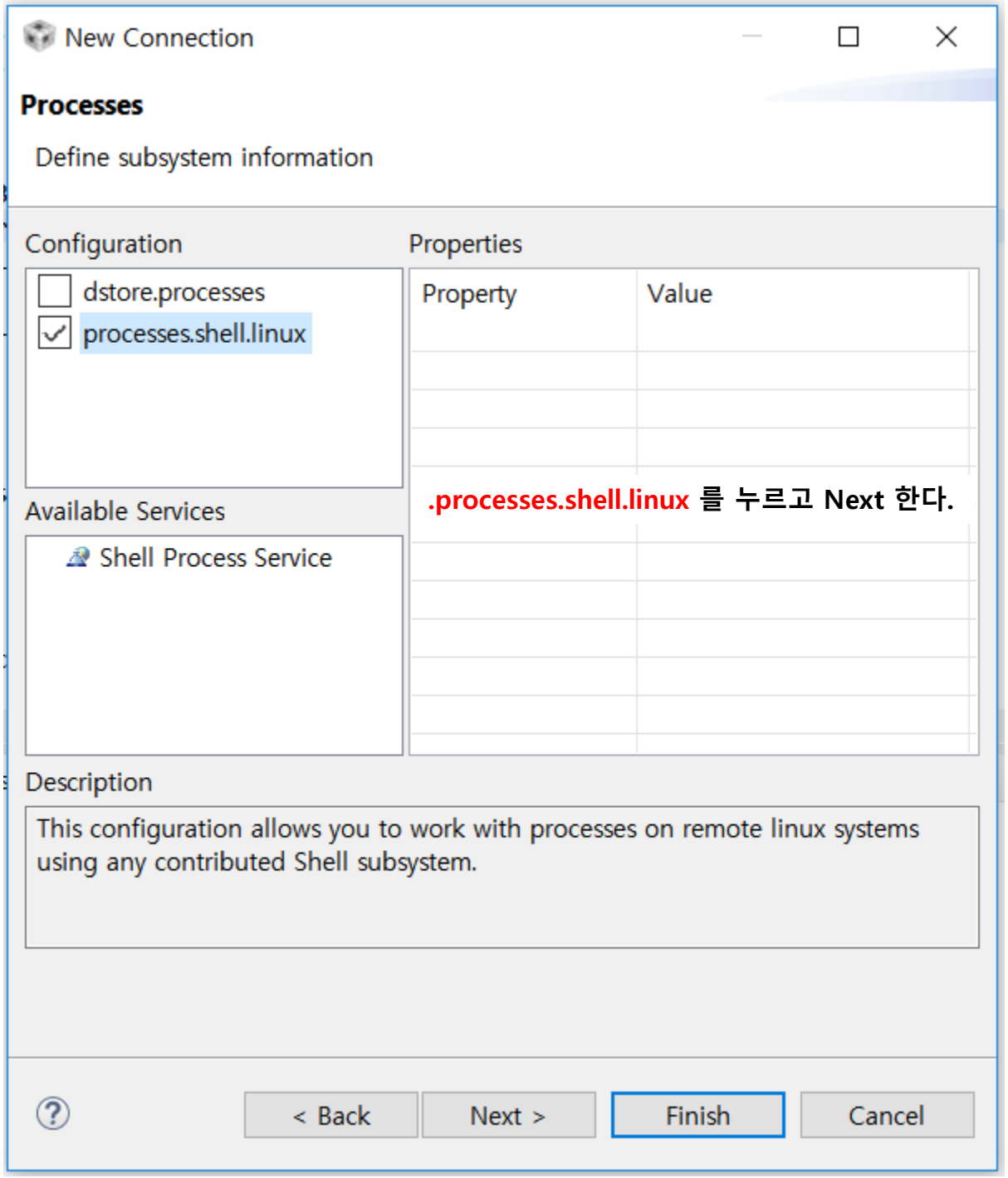
다음으로 DSP 상의 IP 주소를 확인하도록 한다.
Ethernet 을 물렸을 경우엔 eth0 으로 Wi-Fi 를 활성화 했을 경우엔 wlan1 을 보면 된다.
사용은 알아서 하는데 개발시에 사용하므로 eth0 을 활용하는 것을 추천한다.

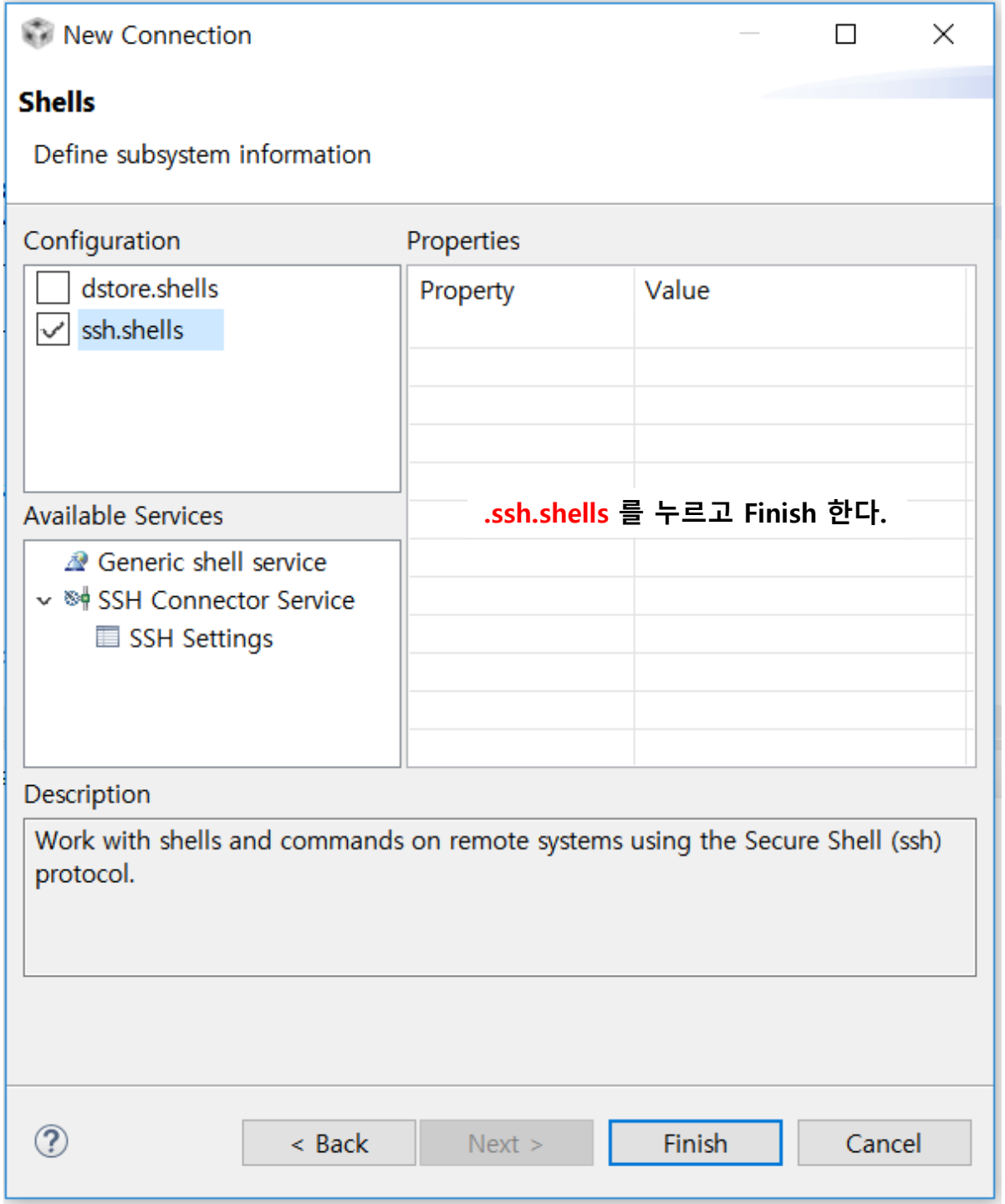


AM5728 의 IP 주소를 적어넣고 Next 를 누른다.

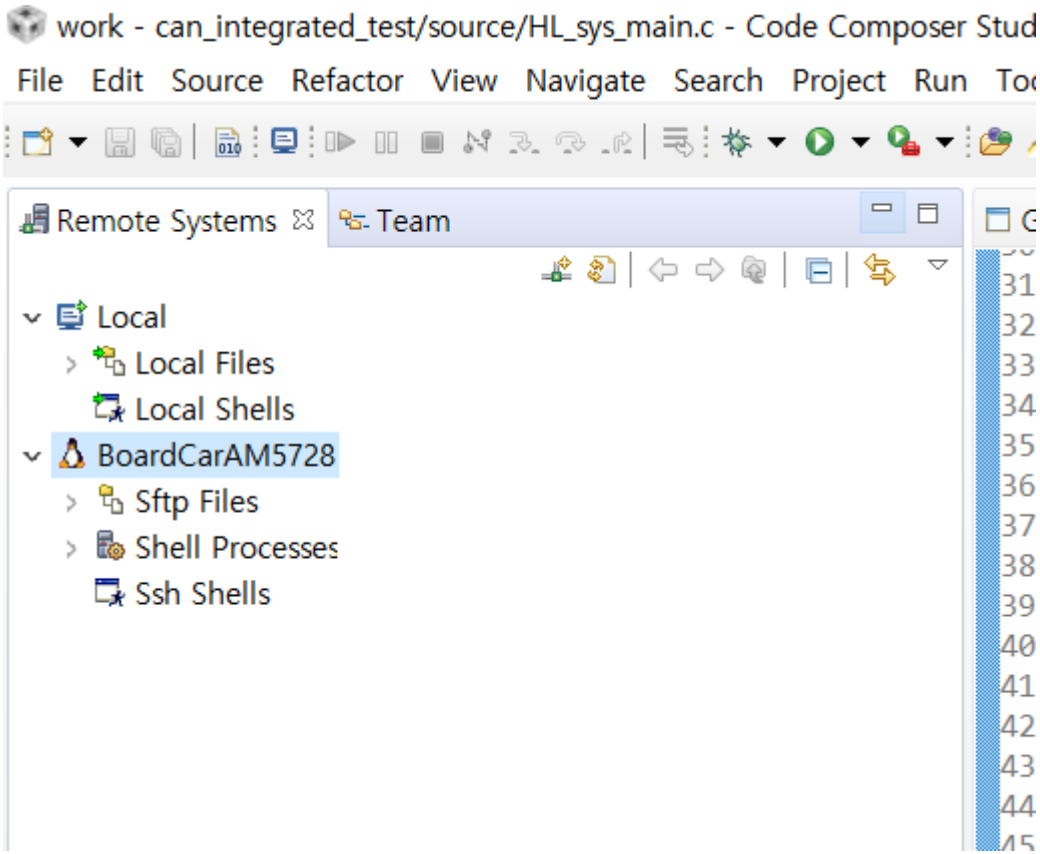



New Connection
Files
Define subsystem information
Configuration
dstore.files
ftp.files
ssh.files
Properties
Property
Value
.ssh.files 를 누르고 Next 한다.
Available Services
Ssh / Sftp File Service
SSH Connector Service
SSH Settings
Description
Work with files on remote systems using the Secure Shell (ssh) protocol.
< Back
Next >
Finish
Cancel

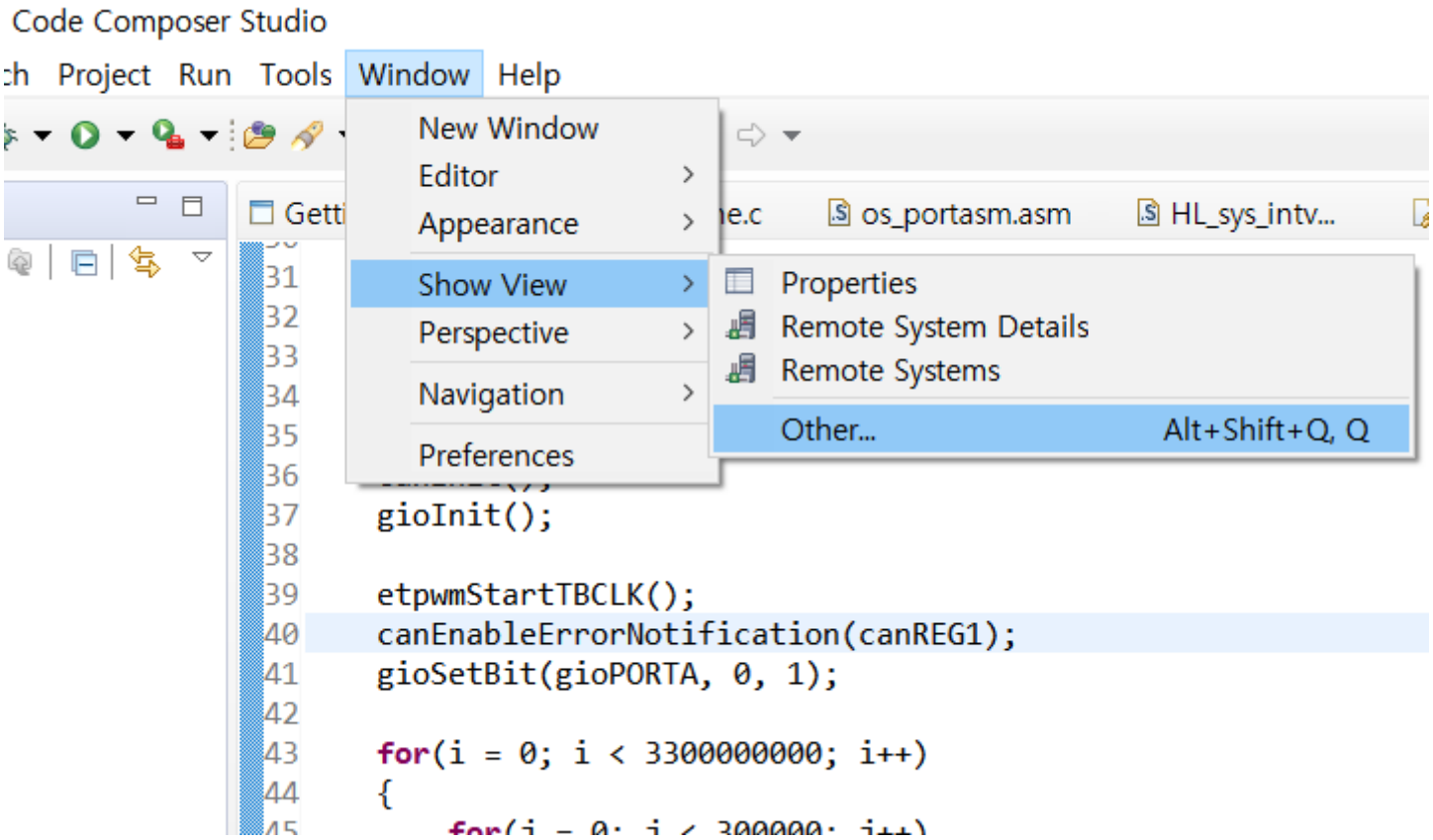

New Connection
Processes
Define subsystem information
Configuration
dstore.processes
processes.shell.linux
Available Services
Shell Process Service
Properties
Property
Value
.processes.shell.linux 를 누르고 Next 한다.
Description
This configuration allows you to work with processes on remote linux systems using any contributed Shell subsystem.
< Back
Next >
Finish
Cancel


New Connection
Shells
Define subsystem information
Configuration
dstore.shells
ssh.shells
Properties
Property
Value
.ssh.shells 를 누르고 Finish 한다.
Available Services
Generic shell service
SSH Connector Service
SSH Settings
Description
Work with shells and commands on remote systems using the Secure Shell (ssh) protocol.
< Back
Next >
Finish
Cancel

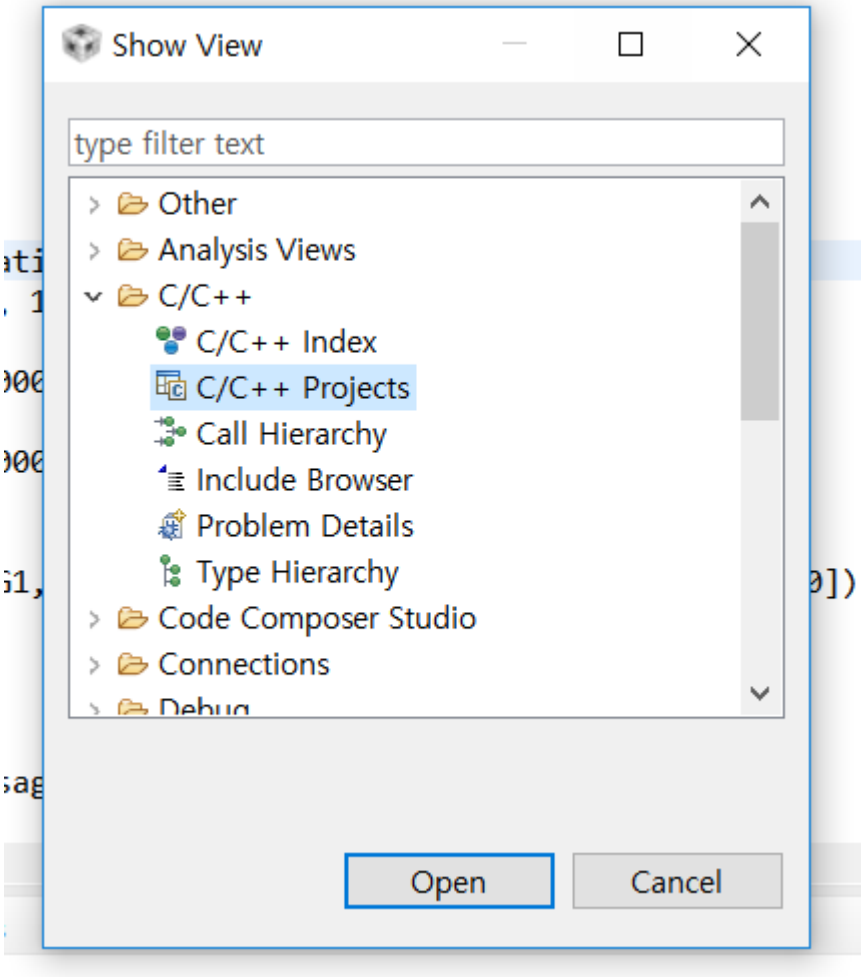
설정을 완료하면 리눅스의 마스코트인 펭귄(턱스)가 보일 것이다.



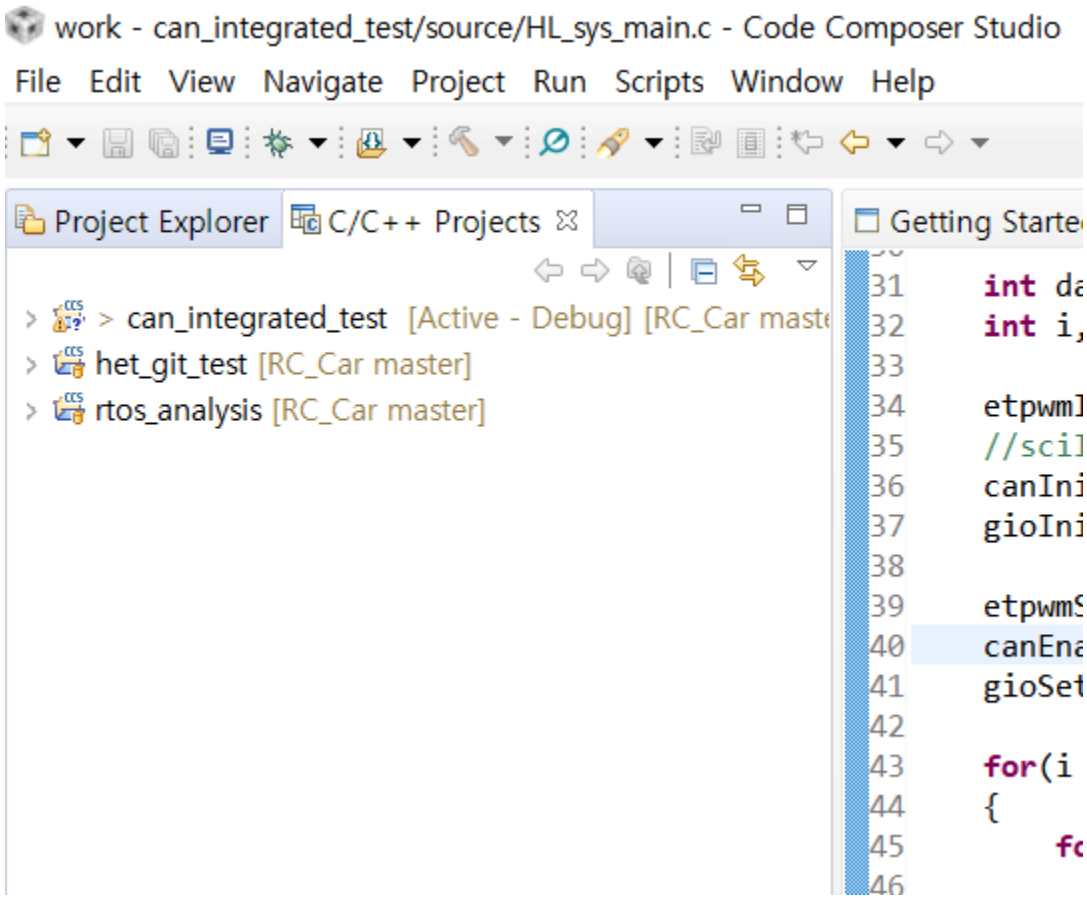
C/C++ 개발 환경을 설정하기 위해
Window -> Show View -> Other 를 누른다.

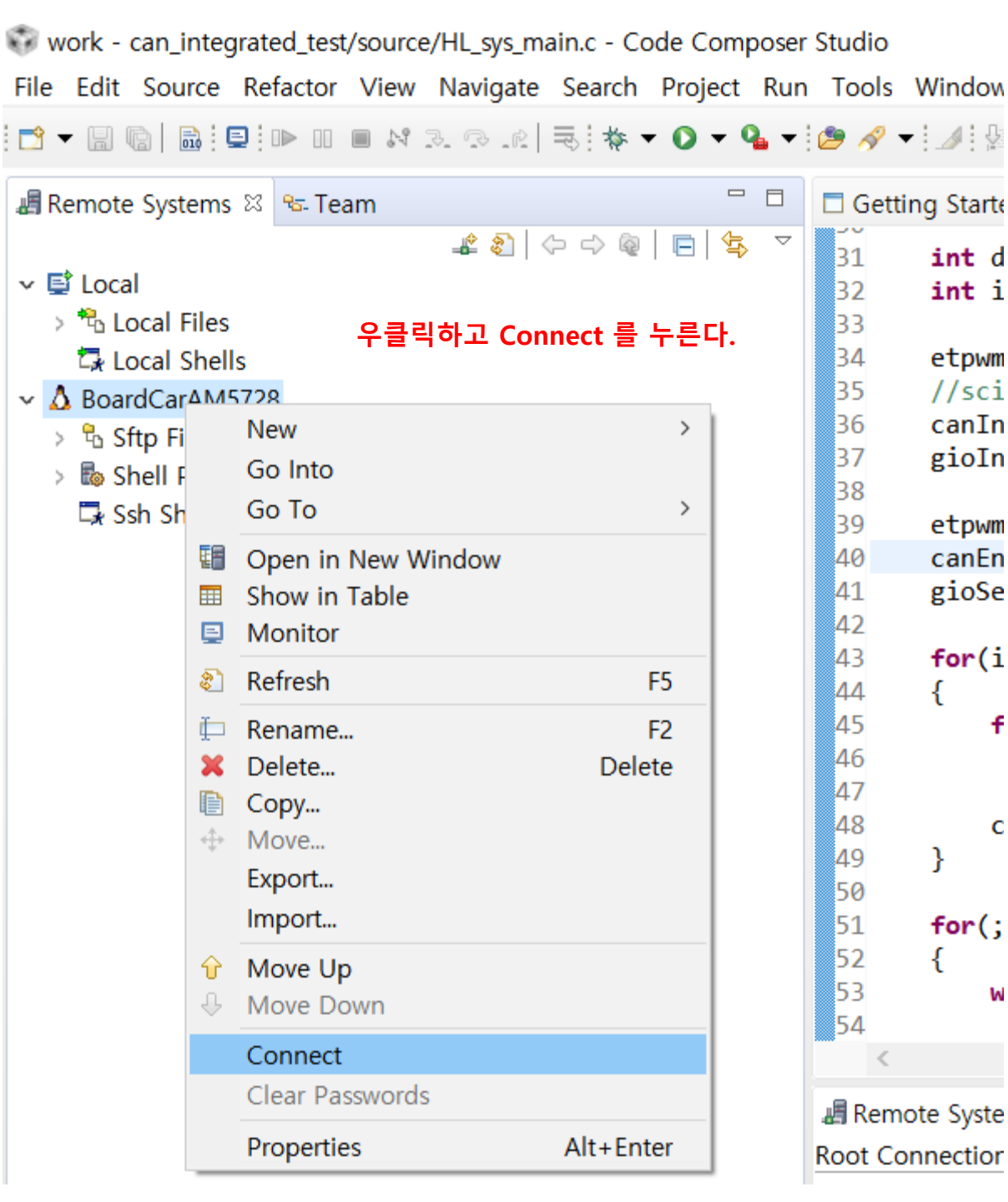


C/C++ -> C/C++ Projects 를 누르고 Open 한다.

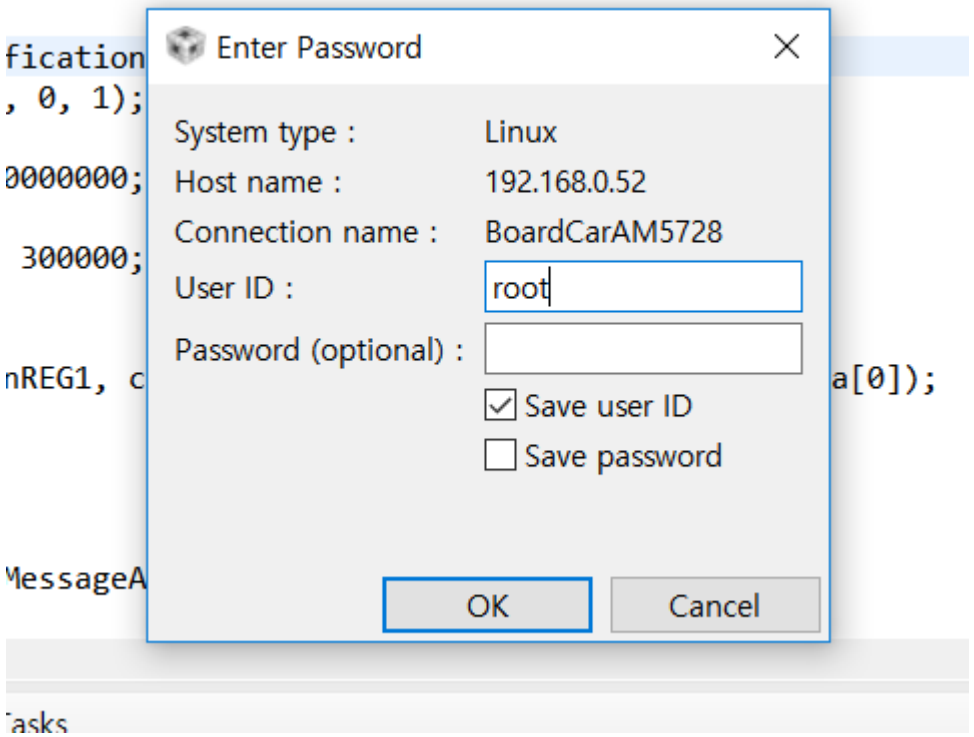


요런식으로 C/C++ Projects 가 추가되면 된다.

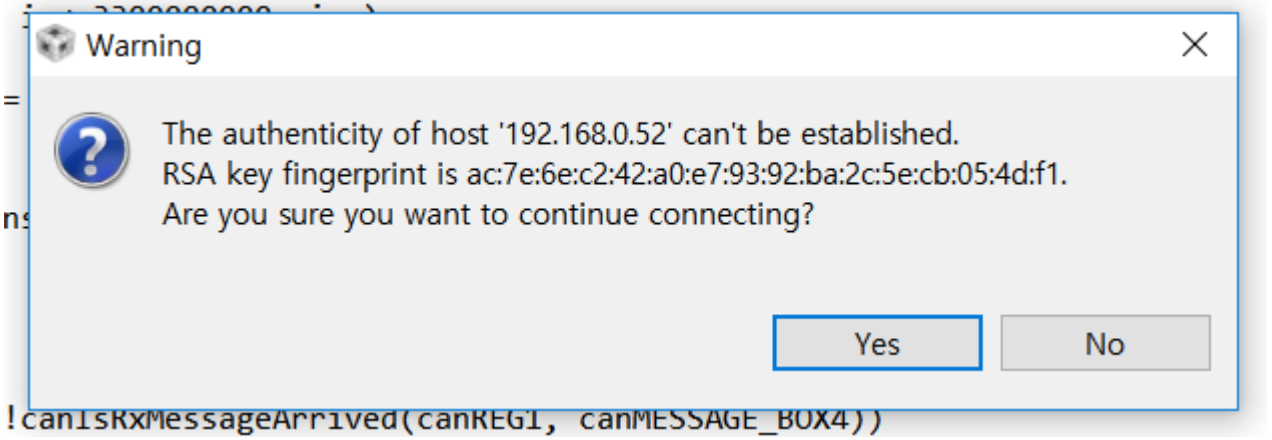


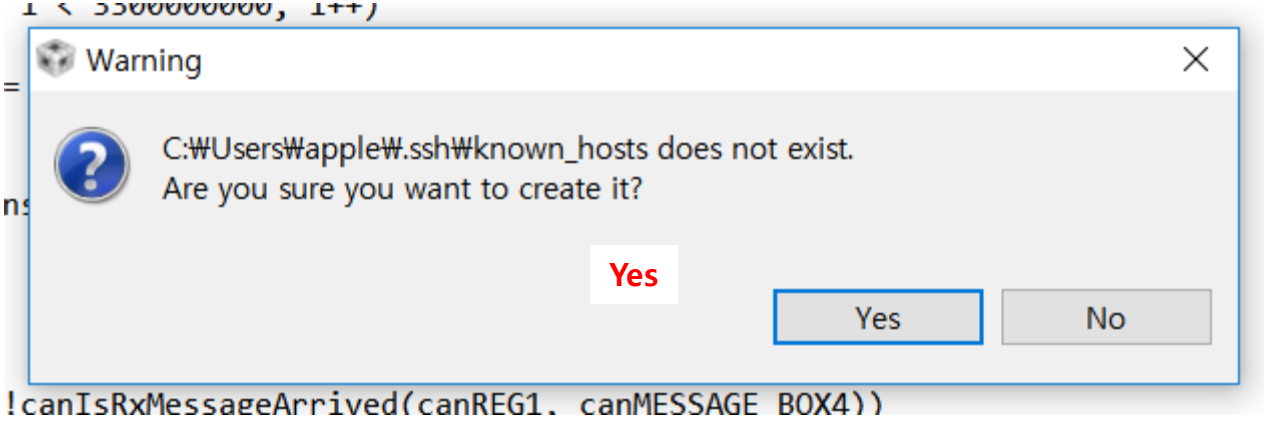

work - can_integrated_test/source/HL_sys_main.c - Code Composer Studio
File Edit Source Refactor View Navigate Search Project Run Tools Window
Remote Systems
Team
Getting Starte
Local
Local Files
Local Shells
BoardCarAM5728
Sftp Fi
Shell F
Ssh Sh
우클릭하고 Connect 를 누른다.
New
Go Into
Go To
Open in New Window
Show in Table
Monitor
Refresh F5
Rename... F2
Delete... Delete
Copy...
Move...
Export...
Import...
Move Up
Move Down
Connect
Clear Passwords
Properties Alt+Enter
31 int d
32 int i
34 etpwm
35 //sci
36 canIn
37 gioIn
39 etpwm
40 canEn
41 gioSe
43 for(i
44 {
45 f
48 c
49 }
51 for(;
52 {
53 w
Remote Syste
Root Connectior

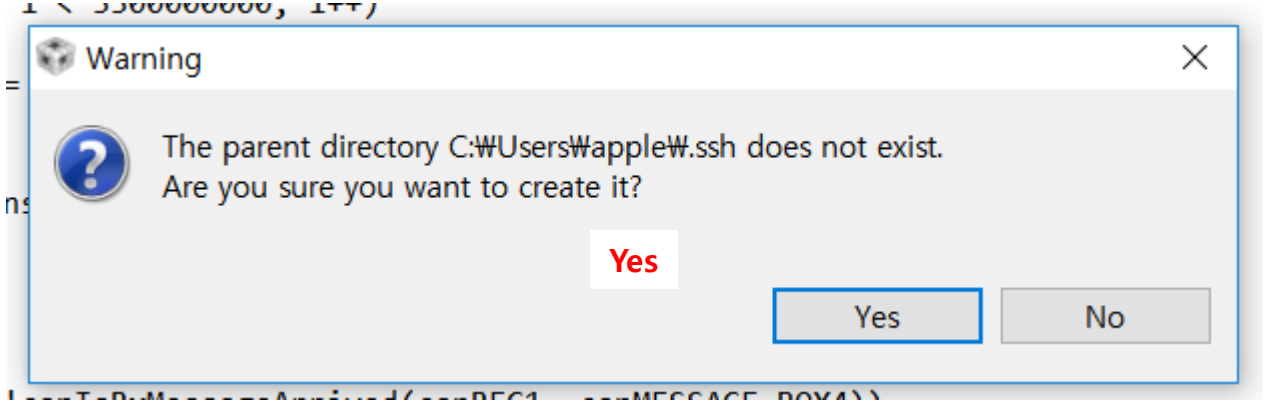
이제 AM5728 에 root 로 접속하도록 한다.

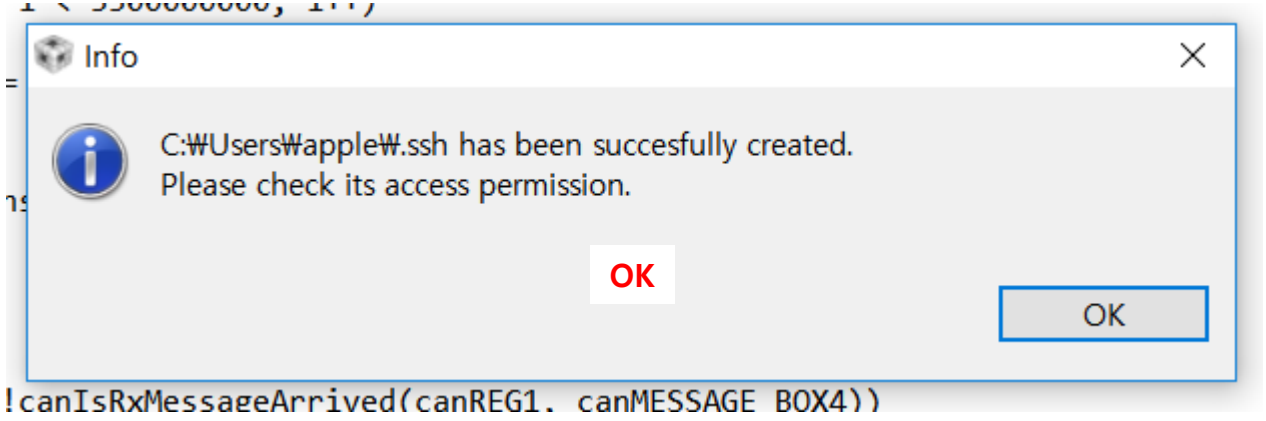


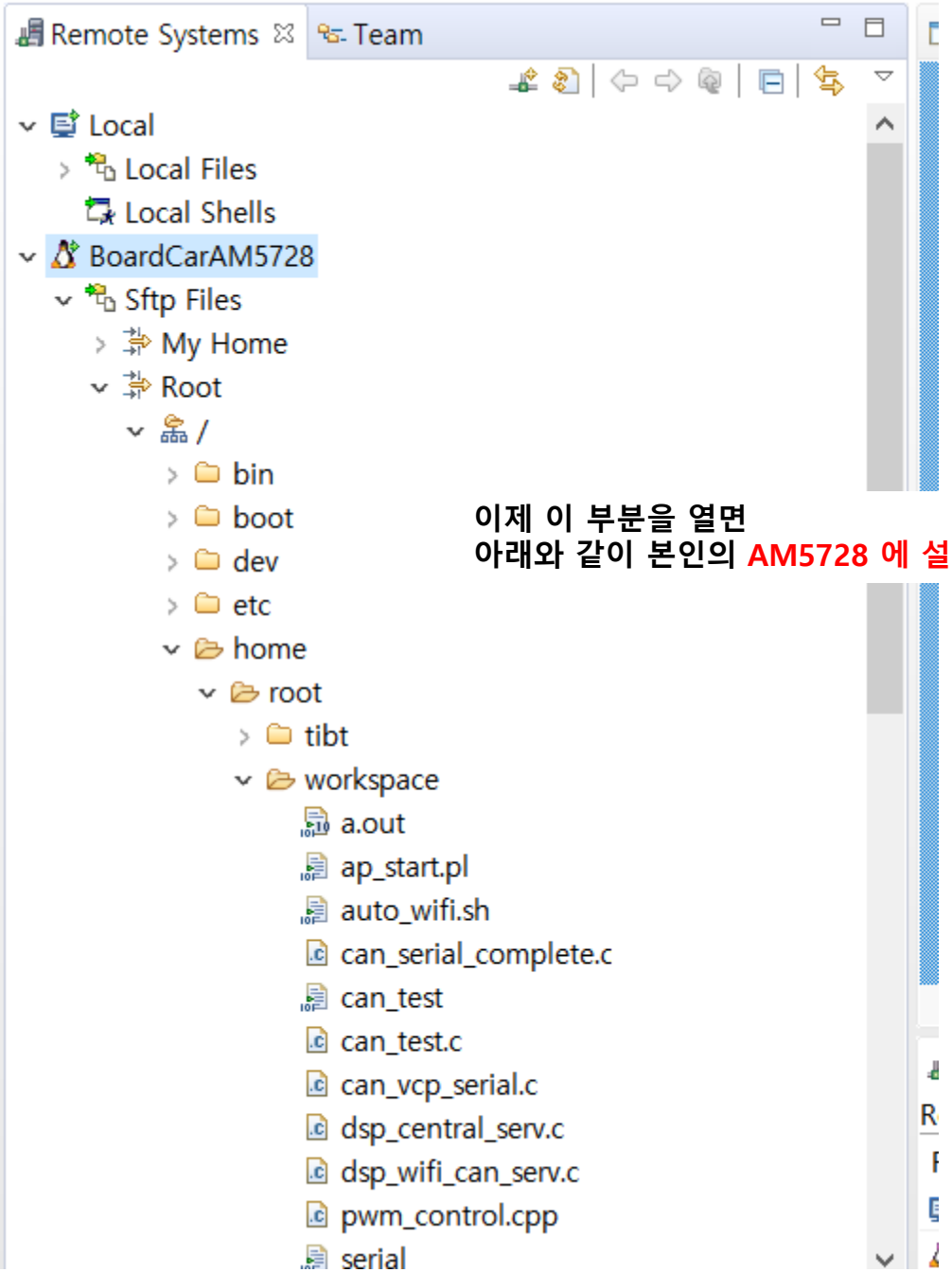
Yes 클릭




Warning
C:₩Users₩apple₩.ssh₩known_hosts does not exist.
Are you sure you want to create it?
Yes
Yes
No
!canIsRxMessageArrived(canREG1, canMESSAGE_BOX4))


Warning
The parent directory C:₩Users₩apple₩.ssh does not exist.
Are you sure you want to create it?
Yes
Yes
No


Info
C:₩Users₩apple₩.ssh has been succesfully created.
Please check its access permission.
OK
OK
!canIsRxMessageArrived(canREG1, canMESSAGE_BOX4))



이제 이 부분을 열면
아래와 같이 본인의 AM5728 에 설정한 내용들이 보일 것이다.