

Scicoslab 4.4b7 code generator for FLEX installation procedure

Steps to set up the Scicoslab code generation for FLEX

1. Download and install Erika Enterprise 1.5.1 (the executable contains: Erika Enterprise kernel, RT-Druid and Cygwin) from <http://erika.tuxfamily.org/erika-for-multiple-devices.html>
Launch program and update the software with the nightly build version (follow Help->Software Updates...)
from http://download.tuxfamily.org/erika/webdownload/rtdruid_beta
It is recommended to periodically update the program.
Update is needed only if you want to use latest version of Scicoslab pack.
2. Download and install Microsoft Visual C++ 2008 from <http://www.microsoft.com/express/Downloads/#2008-Visual-CPP>
This is required from the Evidence Scicoslab pack.
3. Download and install Scicoslab from <http://erika.tuxfamily.org/scilabscicos.html>
Then download the Scicoslab_pack you want to use and follow the instructions contained in the readme file to set up the pack inside Scicoslab.
4. Download and install Microchip MPLAB IDE from http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=1406&dDocName=en019469
This is required to program the dsPIC microcontroller mounted on the FLEX board.
Then download and install a C30 compiler, for e.g. http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=1406&dDocName=en010065&part=SW006012
A compiler is required to compile your control application.
To program the dsPIC microcontroller you would need a programmer which can be bought from Microchip site.
Programmers suggested are: Microchip MPLAB ICD2 or Microchip MPLAB ICD3.
Visit Microchip website for additional information:
http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=1406&dDocName=en010046
5. Compile you first Scicos diagram, flash the microcontroller, test your application and ... enjoy!

For other informations you can visit the Wiki

http://erika.tuxfamily.org/wiki/index.php?title=Main_Page

For any queries please contact us using the Forum:

<http://erika.tuxfamily.org/forum/>

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