

How to use CCS under Linux

Prerequisites

- wine installed on Scientific Linux 3.0.5.
 - ◆ wine for Enterprise Linux 3 is maintained at <http://dag.wieers.com/rpm/packages/wine>
- Code Composer Studio 2 or 3 installed on Windows
- Makefiles from <http://www.slac.stanford.edu/~wittgen/Makefile.tar>

Installation of Code Composer Studio

- tar the C6000 toolchain directory on Windows (for example) For CCS2 this directory is named lower case c6000

```
cd /cygdrive/c
tar cvfz ccs.tgz CCStudio_v3.2/C6000
```

- untar on Linux machine

```
cd /home/pixdaqnew
tar xvfz ccs.tgz
```

Compiling the DSP code

- untar Makefiles.tgz in projects/pixelRod (should go in CVS)
- edit projects/pixelRod/config/Makefile.cfg
 - ◆ CCS_PATH should point to the CCS directory.

```
CCS_DIR=CCStudio_v3.2
CCS_PATH=/home/pixdaqnew/${CCS_DIR}
```

- fix projects/pixelRod/Makefile project_wks to projects_wks
- edit css_path from CCStudio_v3.2 to your path for winecfg/system.reg in projects/pixelRod/Makefile
- edit css_path from CCStudio_v3.2 to your path for tilib includes in projects/pixelRod/tilib/Makefile
- do a make in projects/pixelRods
 - ◆ this should configure create the directories containing the .obj and .asm files in `../../projects_wks`
 - ◆ creates a configuration for wine in the directory winecfg (this will take a while)
 - ◆ builds tilib, master and slave

-- Main.wittgen - 20 Jun 2007

This topic: Main > CCSinLinux

Topic revision: r5 - 2007-06-25 - AndreasKorn



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