Extraction and compilation with FCM (1/2)

Example of what I did to compile OASIS3 with FCM; I was at the MetOffice:

•OASIS3 sources were in /data/local/hadsy/prism/

•No other pre-adaptation:

On the Linux station:

>cd $LOCALDATA

>mkdir FCM_oasis3 (general directory)

>cd FCM_oasis3

>mkdir EXT_oasis3 (extraction directory)

>cd EXT_oasis3

➢ Creation of ext.cfg (based on oasis4 ext.cfg)

>fcm ext

On the NEC (tx03):

>fcm bld

➢ Error dans scriprmp_vector

On the Linux station

➢ Correction in /data/local/hadsy/prism/src/lib/scrip/src

>cd ../../../../../FCM_oasis3/EXT_oasis3

>fcm ext

On tx03:

>fcm bld

➢ OK, couple.exe !!!

Extraction and compilation with FCM (2/2)

- Perl scripts only (500 kB); nothing to "install"
- Possibility to specify in ext.cfg specific compiling option and/or CPP keys for specific routines
- Automatic dependency generation
- Recompilation of:
    - modified sources
    - sources for which the used modules have changed
    - sources for which the CPP flags have changed
    - sources for which the compiling options have changed