Building Python 2.5.1 (against tcltk 8.4)

Installing Python 2.5.1 (built against tcltk 8.4) for Linux

1. Download Python 2.5.1 from http://www.python.org/download/releases/2.5.1/
2. Unzip and change to the directory of the unpacked archive, E.g.,
    - tar -zxvf Python-2.5.1.tgz
    - cd Python-2.5.1
3. *Run, "./configure --prefix=<installation directory>":
    - ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/redhat4-i686-32bit/python/2.5.1-gl1/gcc34/
4. Edit the file, "Setup," in the "Modules" directory, "Modules/Setup"
    - Enable zlib (Uncomment the line corresponding to "zlib")
    - To build Python against tcltck 8.4, there are three lines to edit in the file (*I would suggest searching for "_tkinter" in the Modules/Setup file, then following the documentation*)
        a. Enable tkinter, by Uncommenting the line "_tkinter _tkinter.c tkappinit.c -DWITH_APPINIT "
        b. Uncomment and edit to reflect where your Tcl/Tk libraries are, example
            - "-L/afs/slac.stanford.edu/g/glast/applications/heasoft/PROD/tcltk/i686-pc-linux-gnu-libc2.3.2/lib"
        c. Uncomment and edit to reflect where your Tcl/Tk headers are
        d. Uncomment and edit to reflect your Tcl/Tk versions are
5. Run
    - make
    - make install

*** Step 3 must be done before 4. Running, "./configure," generates the file Modules/Setup**

While running "make", if you run into any problems finding tcl8.4 or tk8.4 libraries, try setting the environment variable, LD_RUN_PATH to point to the location of the tcltk libraries:
make clean
setenv LD_RUN_PATH <Location of tcltk libraries>
make
make install
unsetenv LD_RUN_PATH

Installing Python 2.5.1 (built against tcltk 8.4) for Windows

By default, tcl/tk version 8.4 ships with Python 2.5.1 for Windows so just go through the installation process.

1. Download the appropriate python2.5.1 msi file for your windows architecture http://www.python.org/download/releases/2.5.1/
2. Using command.exe, enter the following command
    - if installing on a network drive
        - msiexec **/a** <python-msi-path>/python-2.5.1.msi ALLUSERS=1 TARGETDIR=<installation director
    - Example, to install python in "V:\Glast_Software\Toaster\GLAST_EXT\Windows-i386-32bit\python\2.5.1-gl1\vcc71" logged in on glast06, enter
        - msiexec /a V:\Glast_Software\Toaster\GLAST_EXT\VC8\python\python-2.5.1.msi ALLUSERS=1 TARGETDIR="V:\Glast_Software\Toaster\GLAST_EXT\Windows-i386-32bit\python\2.5.1-gl1\vcc71"