

Wish List

Compute Node Software Requests

1. Add items here

Completed / Resolved / Fixed / Added

- totalview installed
- guile-devel
- Continuum Analytics distribution of python (it's free), Anaconda. <https://store.continuum.io/cshop/anaconda/>
- terminal multiplexer like tmux, <https://tmux.github.io/> (screen is similar)
- netCDF Operators (NCO) = available in module epel and contrib/hydro
- Climate Data Operators (CDO) = available in module contrib/hydro

- Gnuplot 4.6
- Git
- Graphviz
- NetCDF

User app that can be built following the examples provided

- autoconf (2.59) and automake (1.9) are very old ; many newer `./configure` based programs require 2.60 (1.10) or greater
- Parallel HDF5 (v. 1.6.10 or 1.8.4 compiled with the 1.6 compatibility flags from HDF5)
- Visit parallel-visualization tool: <https://wci.llnl.gov/codes/visit/>
- HDF4
- scons, e.g. 2.0.1 from <http://www.scons.org/download.php>

Suggest users use the supplied Intel libraries instead

- scalapack, blacs
- enthought Python distribution takes care of {numpy, scipy, matplotlib}

Installed

- GNU Screen (<http://www.gnu.org/software/screen/>)
- X11 development headers and libraries (Xaw,Xt,...)
- lsof (`/usr/sbin/lsof`)
- **valgrind** <- super helpful
- bc
- An updated version of svn. Old svn was version 1.4.2 (r22196). The current svn is 1.6.11.
- gcc 4.4.x (gcc44, gfortran44, g++44)
- bzip2
- qsub
- vim
- zlib
- *perl
- man
- *flex & bison
- More libraries (such as blas, lapack, fortran) in `/usr/lib`
- gnuplot
- python-devel
- strace
- split (part of coreutils)