Perl - Create and manage your own Perl environment

NYUAD HPC team provides a global Perl software environment which can be used through "Linux environment modules". We do not install additional Perl modules to the global environment. So if you need, say the LWP Perl module, you will need to "localise" the global Perl environment to your home directory and install the LWP module yourself.

The localisation is based on Perl's local::lib

Step-by-step guide

1. Login Dalma.
2. (One time setup) Run this in terminal:

   $RECIPESDIR/localize-perl.sh

If the localization is successful, in the end the screen output will be similar to this:

   **************************************
   Now re-login to take effect of localization of Perl
   **************************************
   Perl localization completed.

3. Logout Dalma and login again.
4. Now you should be able to install Perl modules using cpanm. Example installing LWP Perl module:

   module load gcc perl
   cpanm LWP

   Notice that for a lot of Perl modules, gcc must be loaded to compile against them.
5. Find more information on how to use cpanm, section Quick start and Tools here: http://www.cpan.org/modules/INSTALL.html

Related articles

- Use GPU nodes in Dalma
- Access Dalma
- Mount $WORK with SSHFS
- Python - Create Your Own Environment using Anaconda
- Enable X11 Forwarding on Mac OS X