

Customizing Your Environment

Category: Your Environment

Taking the time to customize settings in your NAS environment will help make your workflow more convenient and efficient. This article covers some common user customizations that can be included in your `.cshrc` file.

Note: If you want your customization to take effect for both interactive and non-interactive sessions, be sure to add them *above the line* (if it exists in your `.cshrc` file) that checks for the following prompt:

```
if (! $?prompt) exit #exit if not interactive
```

Set Permission for New Files and Directories with `umask`

```
umask 077
```

Sets the permission of all new files and/or directories to be read/write/execute by owner only.

```
umask 037
```

Sets the permission to be read/write/execute by owner and readable by group members.

Load Modules

For Columbia systems, if you want to use another set of modules (for example, intel-comp.11.1.056, mpt.1.22.0.0, scsl.1.6.1.0) other than the default, we recommend that you add the following to your `.cshrc` file:

```
module purge
module load intel-comp.11.1.056 mpt.1.22.0.0 scsl.1.6.1.0
```

For Pleiades, there are no default versions. You can load the modules that you normally use in your `.cshrc`. For example:

```
module load comp-intel/11.1.072 mpi-sgi/mpt.1.26
```

See also: [Modules](#)

Augment `$path`

If you normally use certain directory paths to find commands, scripts, or executables, you can add them to your path in `.cshrc`. We recommend that you at least add the current directory `."` to your path:

```
set path = ( $path .)
```

This removes the need to add `./` in front of scripts and executables when running them in the current directory.

You can add other directories, such as the `/bin` directory under your home, to the path:

```
set path = ($path ~/bin .)
```

Set Aliases

Aliases allow you to replace one string with another string. For example, if you add the following line in your `.cshrc` file, the command `ls -lrt` is used whenever you type `ls`:

```
alias ls 'ls -lrt'
```

Set Environment Variables

If you need to use certain environment variables regularly, you can set them in `.cshrc`. For example:

```
setenv CFDROOT /u/your_nas_username/bin
```

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