

# Module

## Cluster user software environment

Each cluster shell account has a default **bash** shell upon login. This should meet the needs of most users. To change to other shells, such as **cs**h, **zsh**, **tcsh**, use the **chsh** command. Additional info on the chsh command is available through the man pages.

## Module management for software package user environment

Software environments are managed through the use of the **module** approach. Many commercial packages and some public domain software require various settings that can often lead to clashes in the user shell environment. In order to use a package on the cluster, you must load that package's module. For example to use matlab:

```
> module load matlab
```

before running matlab.

To see what packages are under module control:

```
> module avail
```

To unload a package from your environment:

```
> module unload matlab
```

To see loaded packages in your environment:

```
> module list
```

To unload all packages in your environment:

```
> module purge
```

From time to time there are some packages that are not under module control.