

Common Module Commands

A module manages environment variables needed to load a particular piece of software. The login process loads a few modules by default for HPCC users. The modules include the GNU compilers, the OpenMPI communication library, MATLAB and R.

To see a list of modules that are currently loaded:

```
module list
```

To search what modules are available to be loaded:

```
module avail
```

To see the entire list of all modules:

```
module spider
```

To find out if a particular software is in the list of all modules:

```
module spider <software_name>
```

To check how to load a particular version of a software

```
module spider <software_name>/<version>
```

To load a module:

```
module load <module_name>
```

To unload a module:

```
module unload <module_name>
```

To swap a module:

```
module swap GNU Intel
```

To see what environment variables would be set/changed if you load a specific module:

```
module show <module_name>
```

To load a modulefile in a non-standard directory:

```
module use <path_to_module>  
module load <modulename>
```

For more information about Lmod module system, please refer to the [documentation web site](#).