

Modules

Category: Software Environment

A system called "modules" to centralize the location of licensed products from vendors or software from public domain is installed on all NAS HECC systems.

To use the modules commands, you have to do either one of the following first:

1. Source the following files in your **.cshrc** or **.profile**

In **.cshrc** (for csh users):

```
source /usr/local/lib/global.cshrc
```

In **.profile** (for bash users):

```
source /usr/local/lib/global.profile
```

2. In the shell that you want to use the module commands, do one of the following:

For csh users:

```
%source /usr/share/modules/init/csh
```

For bash users:

```
%. /usr/share/modules/init/bash
```

The following are useful module commands to remember:

module avail

- Used to find out what modules are available.

module list

- Used to list which modules are loaded in your environment.

module purge

- Used to unload all loaded modulefiles.

module load *module_name1 module_name2 ... module_nameN*

- Used to load the desired modules.

module switch *old_module_name new_module_name*

- Used to switch between two modules.

module show *module_name*

- Used to show changes to the environment that will happen if you load *module_name*.

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Computing at NAS -> Software Environment -> Modules

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