Module Management with LMod

Installed modules

Module Name	Description
hdf5/1.12.0	Utilize the HDF5 high performance data software library and file format to manage, process, and store your heterogeneous data. HDF5 is built for fast I/O processing and storage.
julia/1.6.2	The Julia programming language fills this role: it is a flexible dynamic language, appropriate for scientific and numerical computing, with performance comparable to traditional statically-typed languages.
singularity/3.8.0	Singularity provides a single universal on-ramp from developers' workstations to local resources, the cloud, and all the way to edge.
swsuite/0.4	The HAL Slurm Wrapper Suite is designed to help users use the HAL system easily and efficiently.
tar2h5/1.0.0	Convert Tape ARchives to HDF5 files
tau/2.30	TAU Performance System® is a portable profiling and tracing toolkit for performance analysis of parallel programs written in Fortran, C, C++, UPC, Java, Python.
cmake/3.20.3	CMake is an extensible, open-source system that manages the build process in a compiler-independent manner.
cuda/11.0.221 cuda/11.2.152 cuda/11.4.48	CUDA is a parallel computing platform and programming model developed by NVIDIA for general computing on graphical processing units (GPUs).
hpc-sdk/21.5 nsight-compute/2021.1.1 nsight-systems/2021.1.3	The NVIDIA HPC Software Development Kit (SDK) includes the proven compilers, libraries, and software tools essential to maximizing developer productivity and the performance and portability of HPC applications.
mpich/3.4.2	MPICH is a high-performance and widely portable implementation of the Message Passing Interface (MPI) standard.
openmpi/3.1.3 openmpi/4.1.1	The Open MPI Project is an open-source Message Passing Interface implementation that is developed and maintained by a consortium of academic, research, and industry partners.
jupyter/4.7.1	Project Jupyter exists to develop open-source software, open-standards, and services for interactive computing across dozens of programming languages.
opence/1.0.0 opence/1.1.2 opence/1.2.2 opence/1.3.1	A release of Open-CE consists of the environment files within the `open-ce` repository and a collection of feedstock repositories. The feedstock repositories contain recipes for various python packages.
wmlce/1.6.2 wmlce/1.7.0	PowerAI is an enterprise software distribution that combines popular open-source deep learning frameworks, efficient AI development tools, and accelerated IBM Power Systems servers. (Python2 version)

Module management

List Selected Module Description

```
module whatis [module_name]
```

List Loaded Modules

```
module list
```

List Available Modules

```
module avail
```

Load Selected Modules

```
module load [module_name]
```

Unload Selected Modules

```
module unload [module_name]
```

Swap Selected Module

```
module swap [unload_module_name] [load_module_name]
```

For the complete list of instructions, see http://modules.sourceforge.net/