

Great Lakes Tips

Install Conda on Great Lakes

1. Launch a terminal on Great Lakes (make sure that you're connected through authenticated Campus network like Mwireless, or the VPN)

1. `ssh username@greatlakes.arc-ts.umich.edu` from your local terminal
2. or access from <https://greatlakes.arc-ts.umich.edu/pun/sys/dashboard> Clusters -> greatlakes Shell Access

2. Run `wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh`

2. `bash Miniconda3-latest-Linux-x86_64.sh`

3. `source ~/.bash_profile`

4. `conda create -n [new_env_name]`

5. Install ipython kernel in the new conda environment

```
conda activate [new_env_name]
```

```
ipython kernel install --user --name=[new_env_name]
```

Load JDK when Launching Jupyter Notebooks

Module commands

```
load openjdk/11.0.2
```

Restore a module collection **or** load modules. Multiple modules may be loaded, separated by a space. For example,

```
restore my_module_collection
```

```
load R/4.1.0 gdal
```

NOTE: The module restore command completely replaces loaded modules; therefore, restored collections must include the python module selected above. Make sure that any modules you load are compatible with the selected Anaconda version.

Source this setup file

The full path (starting with `/`) to the file to be sourced before the session starts. It can contain any valid commands including, but not limited to, those that set variables or load modules. NOTE: You cannot use commands that start a subshell (e.g. `conda activate`), and you should make sure no commands will change the Anaconda version specified.

Launch

* The Jupyter Notebook session data for this session can be accessed under the [data root directory](#).