

Install Miniconda

Small tutorial on how to install and run miniconda on the HPC clusters.

1. Login into your login machine

2. Download Miniconda into your local home

```
$ wget https://repo.anaconda.com/miniconda/Miniconda2-latest-Linux-x86_64.sh
```

3. Execute Miniconda

```
$ chmod +x Miniconda2-latest-Linux-x86_64.sh (give execution permission fo file)
```

```
$ ./Miniconda2-latest-Linux-x86_64.sh
```

```
Welcome to Miniconda2 4.6.14
```

```
In order to continue the installation process, please review the license  
agreement.
```

```
Please, press ENTER to continue
```

```
....
```

```
Do you wish the installer to initialize Miniconda2
```

```
by running conda init? [yes|no]
```

```
[no] >>> no
```

```
...
```

4. Run miniconda

```
$ ./miniconda2/bin/conda
```

5. Load conda environment

```
./home/csys/jpina/miniconda2/etc/profile.d/conda.sh
```

6. Load conda environment in your submission script

```
$ cat test_submit.sh

#!/bin/bash
# Load user environment during job execution
#$ -V

# Call parallel environment "mp", and execute in 4 cores
#$ -pe mp 4

# Queue selection
#$ -q hpc

# Load miniconda
./home/csys/jpina/miniconda2/etc/profile.d/conda.sh
```

“ **NOTE** Loading the conda environment can lead to conflicts with the 'module load' command, therefore users should test the environment on a running job when using both conda and modules environments. If possible, use only conda environment.

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