

# 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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