

How to Create Conda Environment in HPC

Login to HPC

Set proxy environment variables

- **export http_proxy="http://10.8.0.1:8080"**
- **export https_proxy="https://10.8.0.1:8080"**

Either run following commands or refer to the [documentation](#)

- **mkdir -p ~/miniconda3**
- **wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh -O ~/miniconda3/miniconda.sh**
- **bash ~/miniconda3/miniconda.sh -b -u -p ~/miniconda3**
- **rm -rf ~/miniconda3/miniconda.sh**
- **~/miniconda3/bin/conda init bash**

After exiting and logging back into the HPC, you will now notice the '(base)' indicator at the command prompt.

Now create and open **.condarc** file using any text editor, I'm using **nano** here

- **nano .condarc**

copy paste the following lines

channels:

- **defaults**

**# Show channel URLs when displaying what is going to be downloaded and
in 'conda list'. The default is False.**

show_channel_urls: True

allow_other_channels: True

proxy_servers:

http: 10.8.0.1:8080

https: 10.8.0.1:8080

ssl_verify: False

Now let say we have to create a environment myenv with python=3.8

conda create -n myenv python=3.8

If all the steps done correctly, then the above should work fine.