# Anaconda Environment User Guide

- **Accessing Anaconda**
  - There is already base Anaconda environment on the HPC
  - You can access it by **adding** the following lines into your .bashrc

```
export PATH=/bin:$PATH
export TMPDIR=/data/tempfiles/

# >>> conda initialize >>>
# !! Contents within this block are managed by 'conda init' !!
__conda_setup="$('/apps/anaconda3/bin/conda' 'shell.bash' 'hook' 2> /dev/null)"
if [ $? -eq 0 ]; then
    eval "$__conda_setup"
else
    if [ -f "/apps/anaconda3/etc/profile.d/conda.sh" ]; then
        . "/apps/anaconda3/etc/profile.d/conda.sh"
    else
        export PATH="/apps/anaconda3/bin:$PATH"
    fi
fi
unset __conda_setup
# <<< conda initialize <<<
```

  - Once you **restart your terminal**, you should be able to access conda

# • Setting up .condarc and making conda environments

- **Due to space concerns you want to save your environment over in /data**
  - First type
    - conda config --get
  - This will generate a .condarc file in your /home/username folder
  - When you open it, it will be blank, **replace** the contents with this:

```
envs_dirs:
  - /data/maia/username/anaconda/envs/
proxy_servers:
  http: http://proxy.swmed.edu:3128
  https: https://proxy.swmed.edu:3128
ssl_verify: true
```

    *note: you also need to manually make the folders leading up to
    /data/maia/username/anaconda/envs/

  - This serves 2 purposes:
    - One is to set up conda so it can download packages as needed
    - Two is to set up your conda environments to save over in /data
  - **Restart your terminal to activate the changes!**
  - Now you can use conda create to make environments, and it will save over in /data
    - https://docs.conda.io/projects/conda/en/latest/user-guide/tasks/manage-environments.html
  - **Please double check that your conda environment is being saved in the proper location!!!**