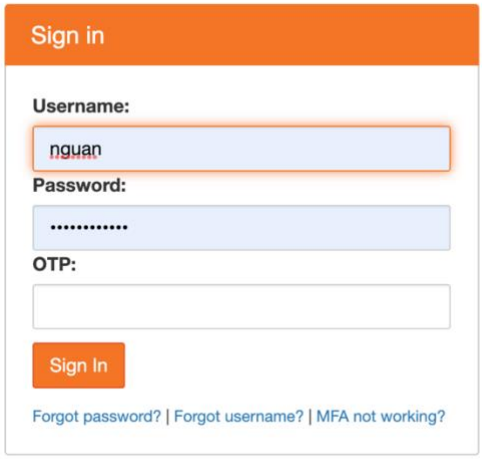
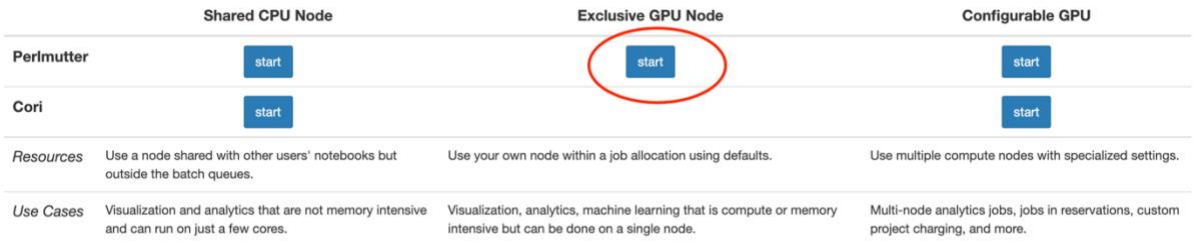
NERSC cluster

From Server (for interactive jupyter notebooks)

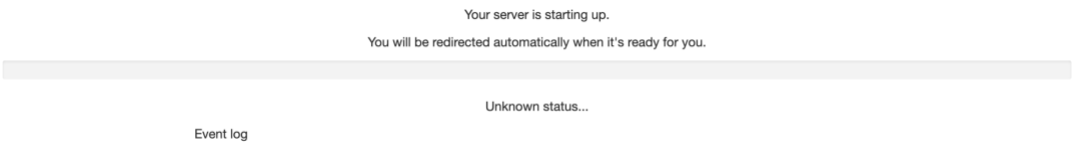
1. Go to https://jupyter.nersc.gov/
2. You'll be taken to a sign in page. Fill in username, password and OTP here. OTP is a 6-digit one-time password (from Google Authenticator)



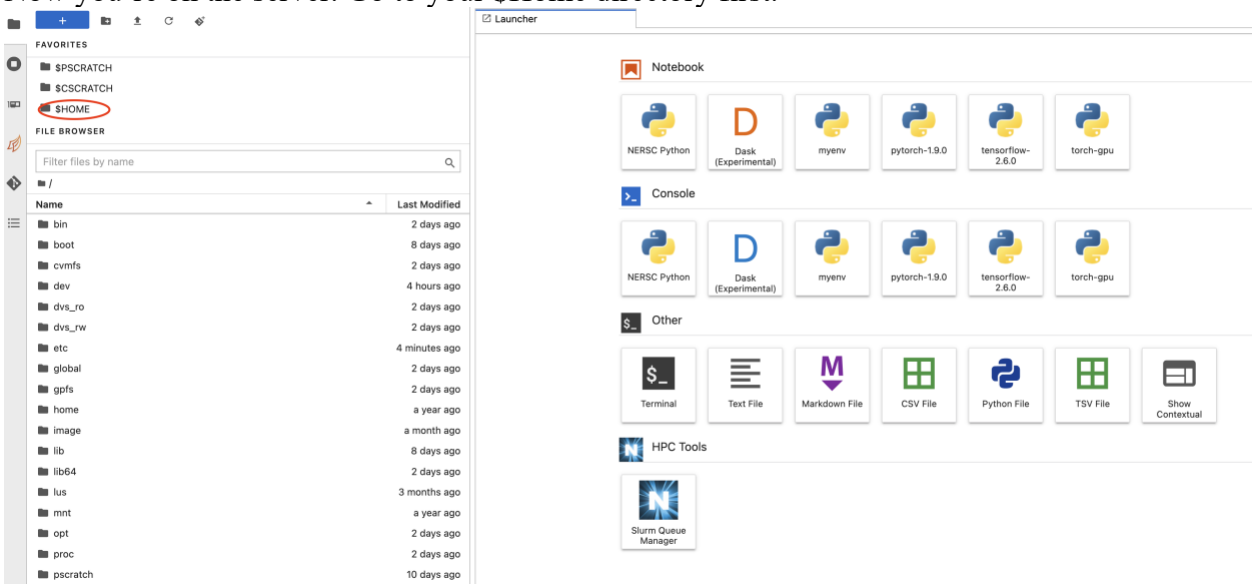
3. Select exclusive GPU node



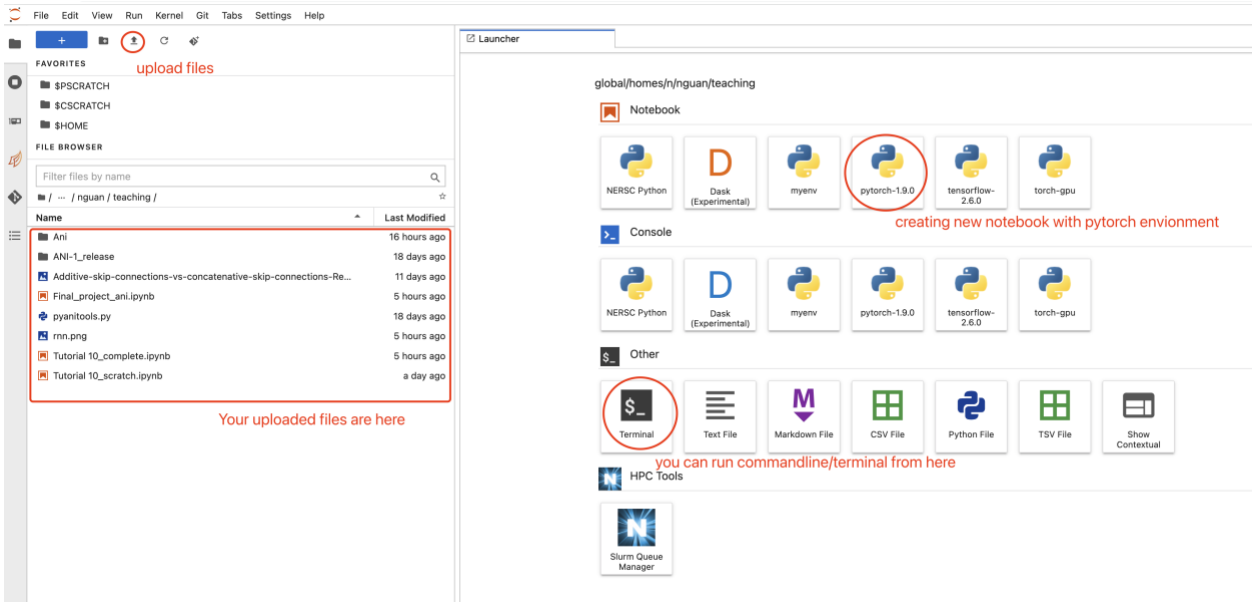
4. Wait for an available node



5. Now you're on the server. Go to your $Home directory first.



6. Now you can upload files, creating new notebooks, and start working! There is a built-in kernal called pytorch-1.9.0, make sure to select that for your jupyter notebook.



From Terminal (for file management)

- Log into cluster
  1. **ssh *your_user_name*@cori.nersc.gov**
  2. fill in your password and OTP in one entry

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Login connection to host cori01 :

Password + OTP:
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- File transfer
  Run these commands from your local terminal
  - Download.
    scp *your_user_name*@dtn01.nersc.gov:/remote/path/myfile /local/path
  - Upload.
    scp /local/path/myfile *your_user_name*@dtn01.nersc.gov:/remote/path
  - Use **scp -r** for transferring folders.
  - The remote path needs to be inside your $HOME folder, you can find this path by running **pwd** after log into cluster. In general it should look like
    /global/homes/*first_letter_of_your_user_name*/*your_user_name*