

A. Login

- Everything we do today works from within your web browser. Please use Firefox, Chrome, or Edge. Safari is not recommended.
- After connecting to the GT VPN, go to <https://ondemand-pace-ice.pace.gatech.edu> in your browser.
- Log in with your GT credentials.

B. Copy workshop files

- Click on the **Files** menu, then **Home Directory**.
- Near the top of the page, select **Open in Terminal**. A terminal should open in a new tab. If you do not see a command prompt, refresh the terminal tab. You may have to do this several times before it loads.
- Create a directory in your home directory and copy the workshop files into it by typing this command into the terminal:
 - `cp -r /storage/home/hpaceice1/shared-classes/materials/python101 .`
 - Be careful to include the space and period at the end of the command.
- Close the terminal tab and return to the Open OnDemand file screen.

C. Starting Jupyter

- Click on the **Interactive Apps** menu, then **Jupyter**. A form will appear.
- From the **PACE ICE Queue** dropdown menu, select **PACE ICE Training Queue**.
- Set **Number of Hours** to **2**.
- Click **Launch**.
- Your job will be queued. Wait for it to be assigned a compute node and start. This could take a few minutes.
- When your job is ready and the button appears, click **Connect to Jupyter**.
- From the Jupyter dashboard, select the **python101** directory you copied earlier.
- Inside that directory, click on **python101.ipynb** to launch the notebook.

See the next page for additional steps you may wish to take after today's class.

After class, run these steps to copy your workshop files onto PACE Phoenix or Hive before your PACE-ICE account is deactivated.

If you wish to copy all of your files from PACE-ICE into your home directory on PACE Phoenix (or Hive), follow these steps **while logged into PACE-ICE** (after today's class):

- `cd ~`
- `scp -r python101 USERNAME@login-phoenix.pace.gatech.edu:~/`
 - For Hive, use "login-hive" instead of "login-phoenix"
- Now, log onto PACE Phoenix (or Hive) and look for a directory named "python101" in your home directory.

Or, copy the files to your local computer before your account is deactivated.

Instructions for copying files off of PACE-ICE are available at

http://docs.pace.gatech.edu/storage/scp_linux/ (for Mac or Linux) and

http://docs.pace.gatech.edu/storage/winscp_guide/ (for Windows).

Use `USERNAME@pace-ice.pace.gatech.edu` as the address. Note that Globus is not available on PACE-ICE, but you should use it for all other PACE systems.

Blank copies of all of the course material from today (without any changes you make, such as completing the hands-on exercises) are available for download on the course website at

<http://docs.pace.gatech.edu/training/python101/>.