Introduction to Perl

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High Performance
Research Computing
DIVISION OF RESEARCH

For Assistance…

Website:	https://hprc.tamu.edu
Email:	help@hprc.tamu.edu
Telephone:	(979) 845-0219
Visit us:	Henderson 114A , Blocker 217D
(Mon-Wed)	(Thu-Fri)

Help us, help you -- *we need more info*

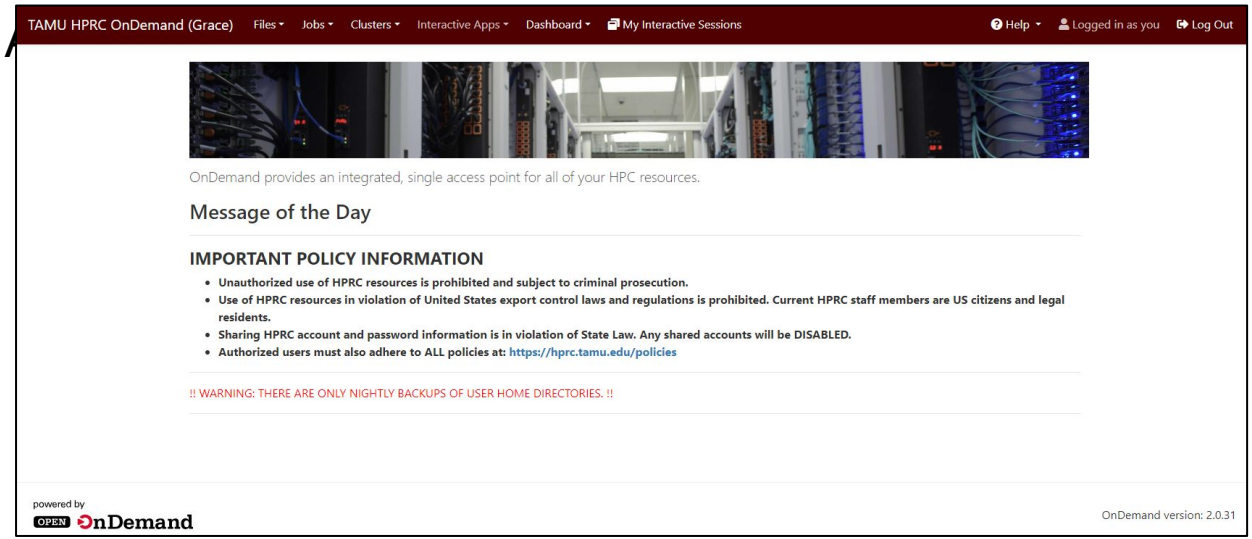
- Which Cluster
- NetID
- Job ID(s) if any
- Location of your job files, input/output files
- Application used & module(s) loaded if any
- Error messages
- Steps you have taken, so we can reproduce the problem

Course Material

https://hprc.tamu.edu/training/intro_perl.html

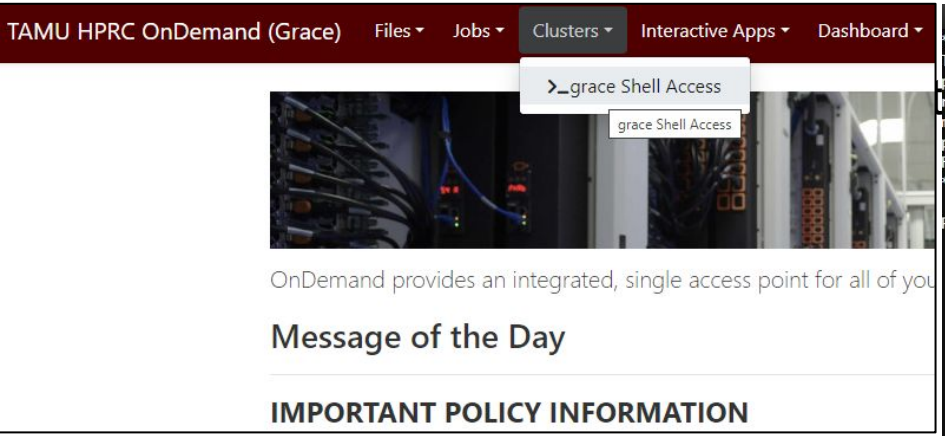
Open Grace Portal

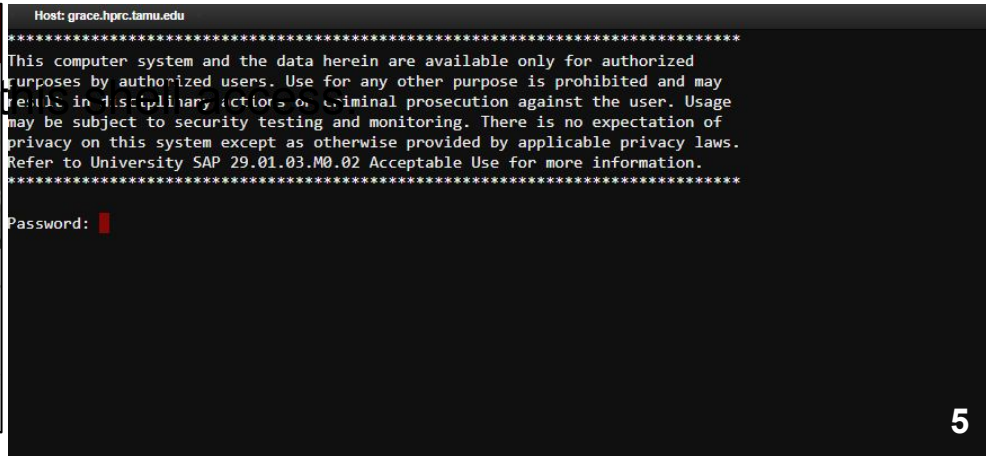
- TAMU NetID users: https://portal-grace.hprc.tamu.edu/



Open Grace Portal

- Once you navigate to the portal, TAMU NetId users may be asked to login to the Central Authentication Service (CAS)
- On the top menu bar, click **Clusters** and then **>_grace Shell Access**

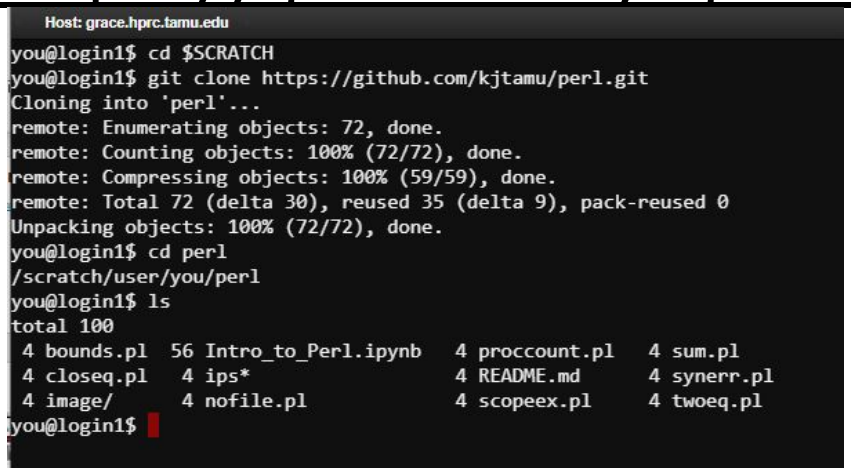




Clone Perl Files

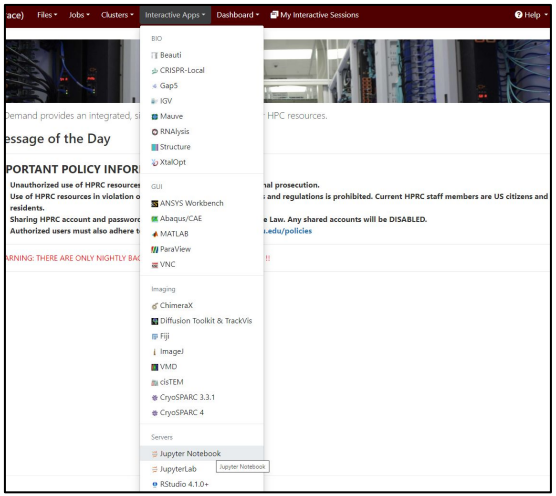
- Enter the following commands, which will create the directory **/scratch/user/*NetID*/perl** :

```
cd $SCRATCH
git clone https://github.com/kjtamu/perl.git
cd perl
ls
```

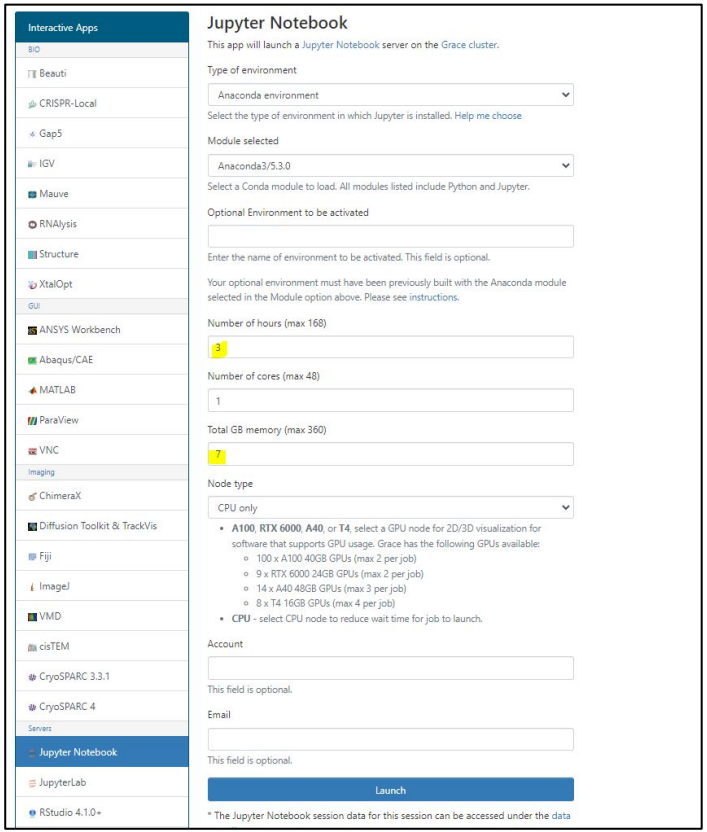


Open Jupyter Notebook

- Return back to the previous browser tab for the Grace Portal with the title “Dashboard”.
- On the top menu, choose **Interactive Apps** and the scroll all the way down to **Jupyter Notebook**



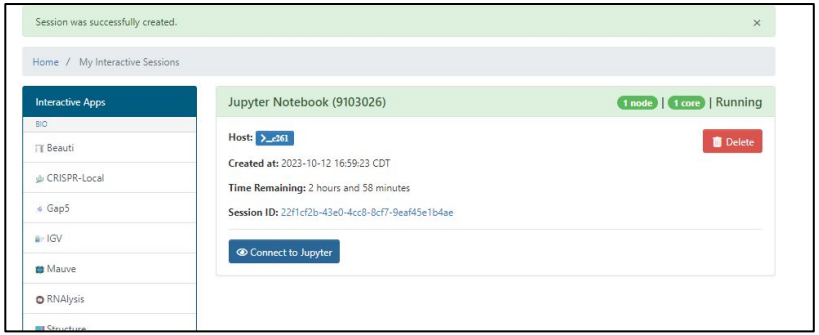
Open Jupyter Notebook



- Set **Number of hours** to **3**,

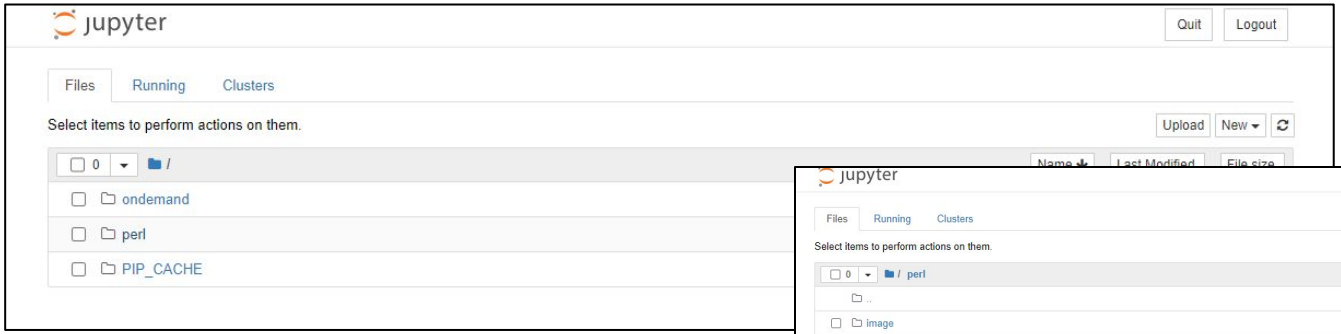
  Total GB memory to **7**, and

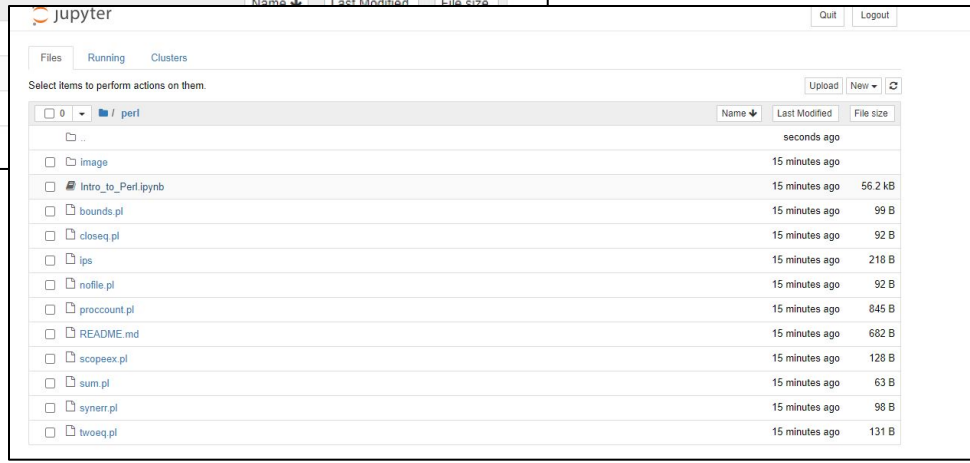
  click **Launch** at bottom of dialog



Open Jupyter Notebook

- Click **perl** and then click **Intro_to_Perl.ipynb**





Using Google Colab

For users without HPRC accounts, do the following:

- Go to https://colab.research.google.com
- On the top navigation bar, click the **GitHub** tab.
- Type **kjtamu/perl** on the long search line under “Enter a GitHub URL or search by organization or user”
- On the line with **Intro_to_Perl.ipynb**, click open icon to the far right