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

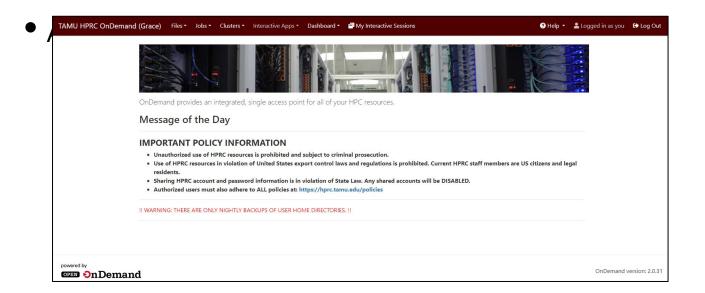
- Which Cluster
- NetID
- Job ID(s) if any
- Location of your job files, input/output files
- Application used & module(s) loaded if any
- Error messages
- •Steps you have taken, so we can reproduce the problem

Course Material

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

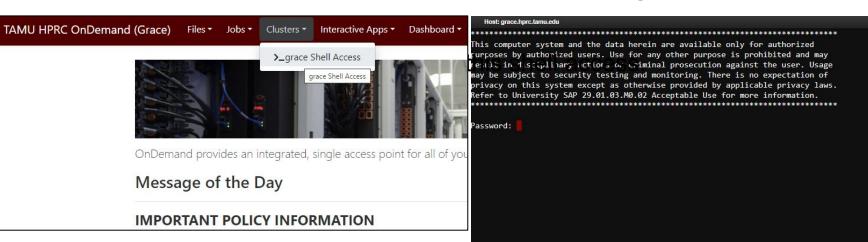
Open Grace Portal

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:

> you@login1\$ cd perl /scratch/user/you/perl you@login1\$ ls total 100

4 closeq.pl

4 image/

vou@login1\$

```
cd $SCRATCH

git clone https://github.com/kjtamu/perl.git

cd perl

ls

Host:grace.hprc.tamu.edu
you@login1$ cd $SCRATCH
you@login1$ git clone https://github.com/kjtamu/perl.git
Cloning into 'perl'...
remote: Enumerating objects: 72, done.
remote: Counting objects: 100% (72/72), done.
remote: Compressing objects: 100% (59/59), done.
remote: Total 72 (delta 30), reused 35 (delta 9), pack-reused 0
Unpacking objects: 100% (72/72), done.
```

4 sum.pl

4 synerr.pl

4 twoeq.pl

4 README.md

4 scopeex.pl

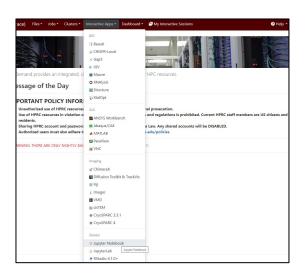
4 bounds.pl 56 Intro to Perl.ipynb 4 proccount.pl

4 ips*

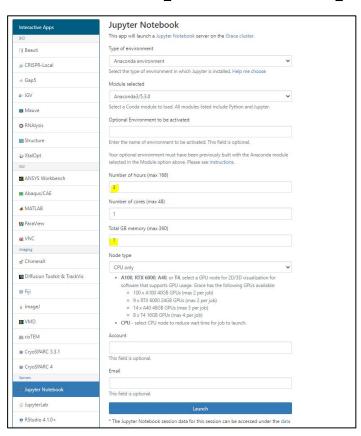
4 nofile.pl

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

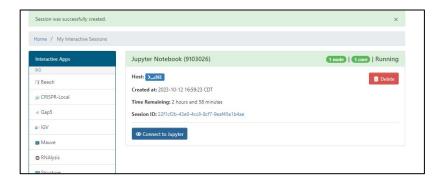


Open Jupyter Notebook



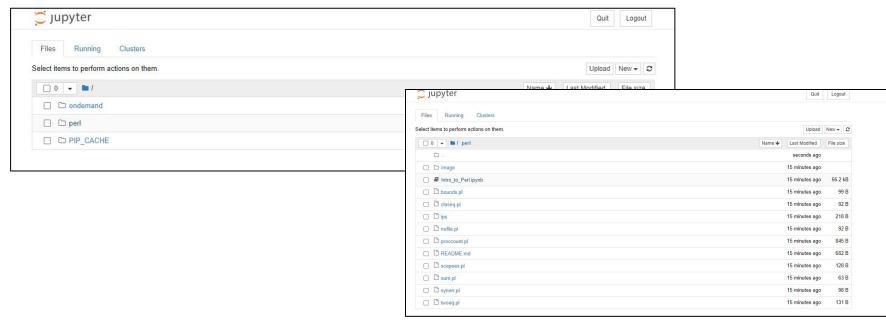
• Set Number of hours to 3,

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

