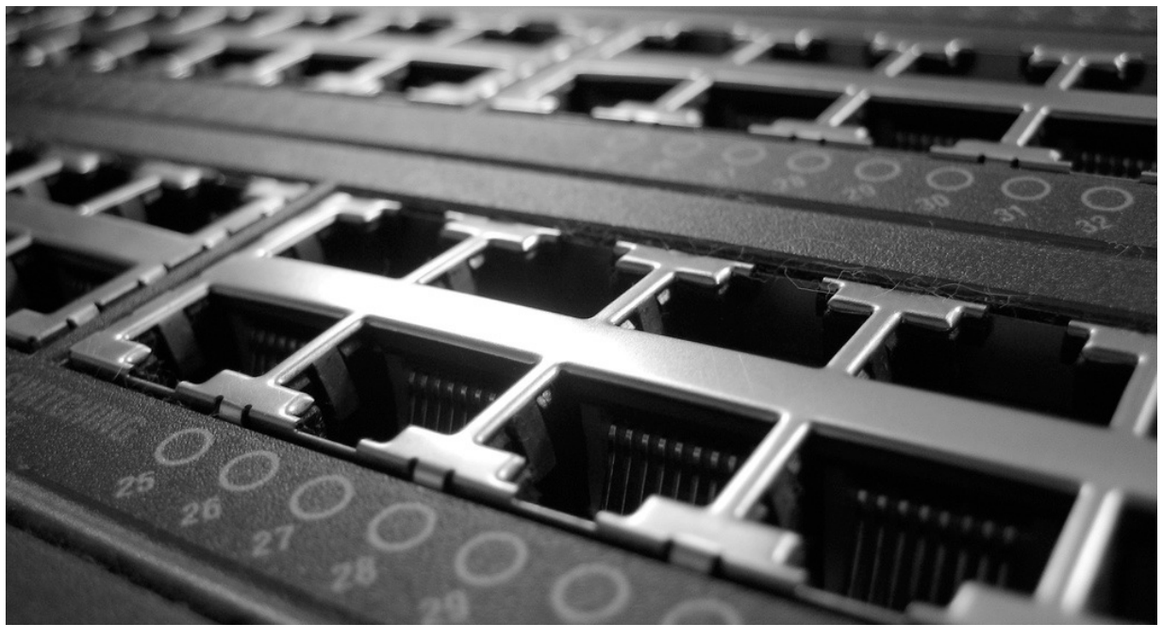


Introduction to the command-line interface

(shell)

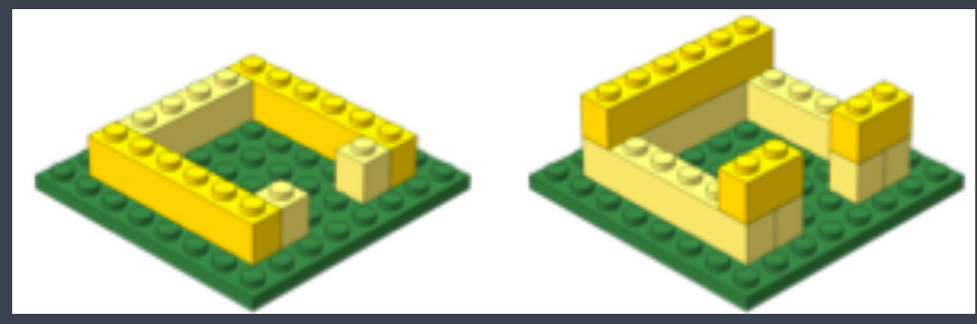
Harvard Chan Bioinformatics Core

in collaboration with

HMS Research Computing

https://tinyurl.com/hbc-shell-online

Learning Objectives



- ✓ Learn what “shell” is and become comfortable with the command-line interface
  - Find your way around a filesystem using written commands
  - Work with small and large data files
  - Become more efficient when performing repetitive tasks
- ✓ Understand what a computational cluster is and why we need it

Exit survey

https://tinyurl.com/intro-shell-online

Get an O2 account!

https://rc.hms.harvard.edu/#cluster

HPC Cluster Account

NOTE: for after hours emergency support please contact the IT service desk and let them know you have a research computing issue by calling (617) 432-2000 or e-mailing itservicedesk@hms.harvard.edu.

The O2 cluster is a shared high-performance computing environment serving a large research community with diverse research requirements and workflows, including dedicated hardware available for high-memory and GPU-intensive tasks. Tens of thousands of jobs run on the cluster every day, and we are constantly improving the job handling software and configuration to balance throughput between our many users.

Hundreds of HMS-affiliated researchers use RC's high-performance computing environment for big and small projects in next-gen sequencing analysis, molecular dynamics, mathematical modeling, image analysis, proteomics, and other areas. **Click the Account Request button below to get an account for O2.** For more information, please view the O2 documentation.

Account Request | O2 Slurm Intro | O2 Wiki

Data Management

- HMS Data management -

  Webpage: https://datamanagement.hms.harvard.edu/

  Click here to sign up for data management related emails

- Harvard-wide Research Data Management -

  https://researchdatamanagement.harvard.edu/

Thanks!

- Kathleen Keating and Andy Bergman from HMS-RC
- Bradley Coleman - Director, HMS Curriculum Fellows Program

Contact us!

HBC webpage: http://bioinformatics.sph.harvard.edu

HBC training materials: http://hbctraining.github.io/main

HBC workshop listserv: https://tinyurl.com/hbc-mailing-list

Training email: hbctraining@hsph.harvard.edu

Consulting email: bioinformatics@hsph.harvard.edu

O2 (HMS-RC): rchelp@hms.harvard.edu

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