Introduction to the command-line interface (shell)
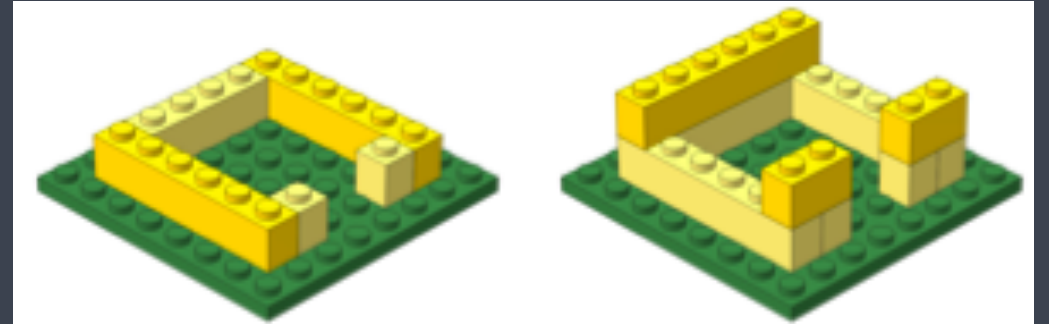
Harvard Chan Bioinformatics Core

in collaboration with

HMS Research Computing

https://tinyurl.com/hbc-shell

Learning Objectives

✓ Learn what a "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/hbc-shell-exit

Get an O2 account!

Search IT services and kno... 🔍

O2 Cluster Account

Description ⌄

What does it do?

Get an account on O2, the HMS High Performance Compute cluster

Available To ⌄

Who is eligible?

Any HMS or HMS-affiliated researcher who has an HMS eCommons account.

Cost ⌄

What does it cost?

There is no cost to labs whose PI has a primary or secondary faculty appointment in an HMS Quad department.

If the PI of your lab does not have a primary or secondary faculty appointment in an HMS Quad department, cluster usage will be charged for beginning later in 2021. Please see the following page for current details about rates: https://it.hms.harvard.edu/rc/core/rates.

Support ⌄

Please fill out the online help request form, or email rchelp@hms.harvard.edu.

How to Access ⌄

How do I get it?

Two-factor authentication is required to request an account on O2, as well as for O2 logins once your account is created. Harvard University uses a mobile app called Duo that makes the process quick and easy. Even if you already use Duo for HarvardKey, you will still need to setup a Duo profile for HMS.

- Setup HMS two-factor Authentication (HMS Duo Mobile)
- Reactivate or Reconnect HMS two-factor Authentication (HMS Duo Mobile)

Once you have Duo set up, Click the "Get Service" link to login and complete the request form.

Get this service Learn more

Don't see what you're looking for?

O2 User Training

Optimizing O2 Jobs	Wednesday, March 22, 2023	10am to 11am	TMEC 328
Intro to Python	Wednesday, March 29, 2023	10am to 12pm	TMEC 328
	Wednesday, April 5, 2023		
Intro to O2	Wednesday, April 12, 2023	10am to 12pm	TMEC 328
	Wednesday, April 19, 2023		
	Wednesday, April 26, 2023		
Intro to O2 Portal	Wednesday, May 3, 2023	10am to 11pm	Zoom
Where Should I Put My Data? Understanding Data Storage at HMS	Wednesday, May 10, 2023	10am to 11am	TMEC 328

https://harvardmed.atlassian.net/wiki/spaces/O2/pages/1588666299/User+Training

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/

Data Management Short Workshops

Mar 15	1pm	**Current Topics in Bioinformatics: Advanced Shell**	Online via Zoom
Mar 17	9:30am	**Introduction to bulk RNA-seq data Data Analysis Part I**	Online via Zoom
Mar 21	9:30am	**Introduction to bulk RNA-seq data Data Analysis Part I**	Online via Zoom
Mar 22	12pm	**Using the DMPTool to write a NIH Data Management and Sharing Plan**	Zoom (libcal.countway.harvard.edu…)
Mar 24	9:30am	**Introduction to bulk RNA-seq data Data Analysis Part I**	Online via Zoom
Mar 29	10am	**Intro to Python**	TMEC 328

https://datamanagement.hms.harvard.edu/about/news-events/rdmwg-calendar

Thanks!

- Kathleen Chappell and Andy Bergman from HMS-RC

- Data Carpentry

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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