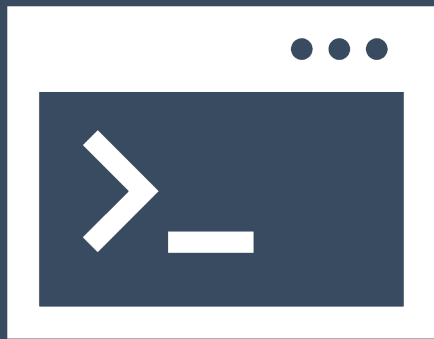


Introduction to the command-line interface (shell)

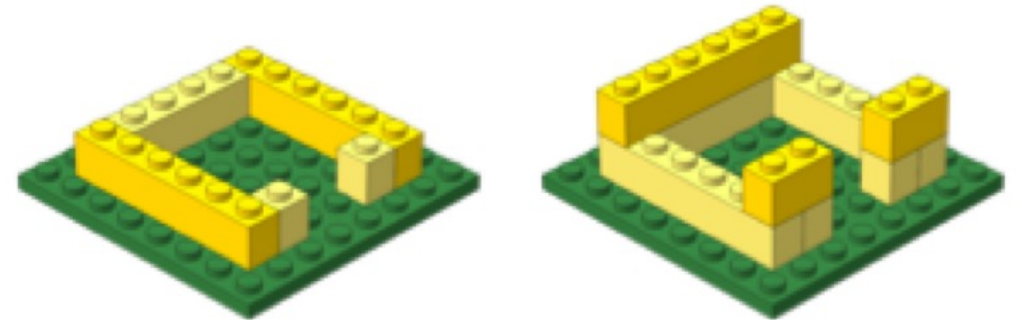
<https://tinyurl.com/hbc-shell-online>



Harvard Chan Bioinformatics Core
in collaboration with
HMS Research Computing



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



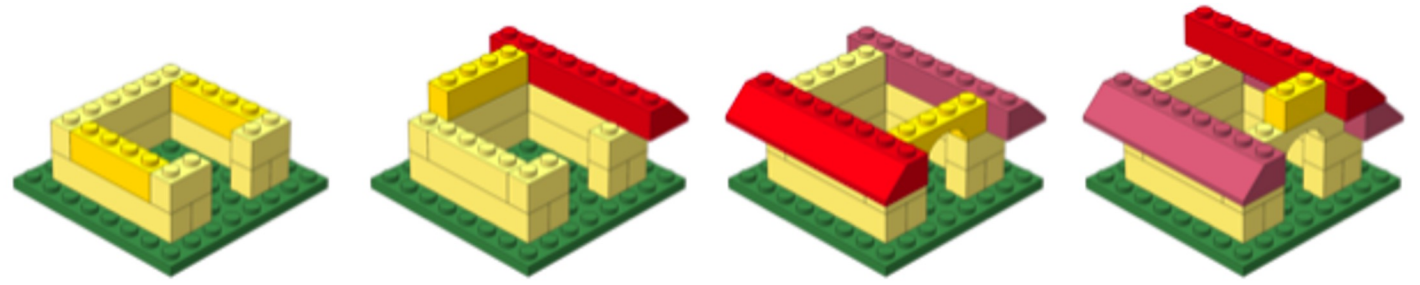
Image source: Balboa Capital Blog

If you plan to process raw high throughput sequencing data yourself, you will need to learn shell.

Exit survey

<https://tinyurl.com/hbc-shell-exit>

Keep building!



- ❖ Upcoming HBC advanced shell-based workshops:
 - ❖ Introduction to Variant Calling
 - ❖ May 28th , May 31st, June 4th, June 7th (in-person)
 - ❖ Using paired tumor-normal samples to analyze variants
 - ❖ Understanding chromatin biology using high throughput sequencing
 - ❖ Add dates here (online)
 - ❖ ChIP-seq, CUT&RUN, ATAC-seq

Get an O2 account!

[Home](#) > [Service Catalog](#)

Search IT services and kn

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.

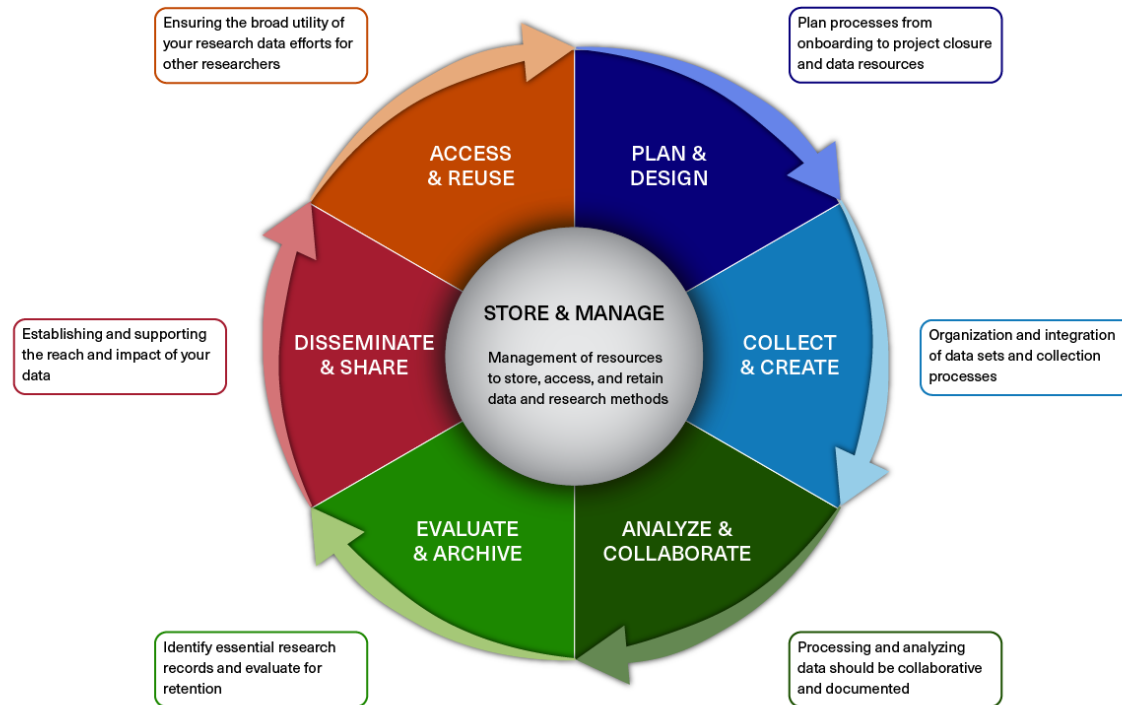
Get this service

Learn more

Don't see what you're looking for?

Research Data Management (RDM)

BIOMEDICAL RESEARCH DATA LIFECYCLE



Date	Time	Event	Location
Jun 5	10am	RCBio: easy and quick HPC pipeline builder & runner	In-person
Jun 10	2pm	protocols.io webinar: Tips and Tricks	Zoom
Jun 14	12pm	Level Up Your GIS Skills: A Three-Part Series (Part 1)	Countway Library Classroom L2-025
Jun 21	12pm	Level Up Your GIS Skills: A Three-Part Series (Part 2)	Countway Library Classroom L2-025
Jun 26	1pm	R basics	Zoom
Jun 28	12pm	Level Up Your GIS Skills: A Three-Part Series (Part 3)	Countway Library Classroom L2-025

Better RDM practice benefits you

❖ HMS Data Management LMA

❖ Webpage: <https://datamanagement.hms.harvard.edu>

❖ [Sign up](#) for quarterly email updates

❖ Harvard-wide Research data Management

❖ <https://researchdatamanagement.harvard.edu/>

Join us for HBC Community Breakfast!

- ❖ An opportunity to get to know others in the community
- ❖ Free food and beverages
- ❖ Great conversations



**Thursday June 6th, 2024
9:00 to 10:30am**

More Info:

<http://bioinformatics.sph.harvard.edu/breakfast/>

Thanks!

- ❖ Kathleen Chappell and Andy Bergman from HMS-RC
- ❖ Data Carpentry

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