



# 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!

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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](mailto: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?

# Interested in additional training?

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# 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/>

# Interested in additional training?

All workshop materials are online: <https://hbctraining.github.io/main>

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*Sign up for our mailing list:*

<https://tinyurl.com/hbc-training-mailing-list>

# Thanks!

- Kathleen Chappell and Andy Bergman from HMS-RC
- [Data Carpentry](#)

*These materials have been developed by members of the teaching team at the Harvard Chan Bioinformatics Core (HBC). These are open access materials distributed under the terms of the Creative Commons Attribution license (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.*





# 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](mailto:hbctraining@hsph.harvard.edu)

*Consulting email:* [bioinformatics@hsph.harvard.edu](mailto:bioinformatics@hsph.harvard.edu)

*O2 (HMS-RC):* [rhelp@hms.harvard.edu](mailto:rhelp@hms.harvard.edu)