Intro to Linux/Biocluster

HPCBio Workshop materials are licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

September 4 - Introduction to Linux

Class materials

- Presentation
- Linux cheat sheet
- Getting on a UNIX-based terminal
- Video of class

Linux resources

- Beginner self-guided tutorials for extra practice
  - Tutorial from the book UNIX and Perl to the RESCUE!
  - Parts 1 and 2 cover UNIX
  - http://korflab.ucdavis.edu/Unix_and_Perl/current.html#part1
  - SIB tutorial
  - If it asks you to log in, just log in as a "guest user"
  - Click on "UNIX elearning module" at the bottom to get started
  - University of Surrey tutorial
  - http://www.ee.surrey.ac.uk/Teaching/Unix/
  - Ryan's Tutorials
  - http://ryanstutorials.net/linuxtutorial/

- Books
  - UNIX and Perl to the RESCUE! by Keith Bradnam & Ian Knorf
  - Developing Bioinformatics Computer Skills by Cynthia Gibas & Per Jambeck
  - Linux Pocket Guide by Danial J. Barrett
  - Beginning Shell Scripting by Eric Foster-Johnson, John C. Welch, & Micah Anderson
  - Learning the bash Shell by Cameron Newham
  - bash Cookbook by Carl Albing, JP Vossen, & Cameron Newham

Software

- PuTTY: Allows remote access from a Windows computer to a Linux based terminal.
  - http://www.putty.org/
  - Mac already has a UNIX-based terminal pre-installed. You can find it in Applications -> Utilities -> Terminal

September 11 - Introduction to Biocluster

- Class materials
  - Presentation
  - Biocluster help page
  - How to submit a cluster job
  - qsub script generator
  - Video of class