Introduction to Linux & Biocluster

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March 16 - Introduction to Linux

Date: March 16th, 2015, 9 am – 1 pm
Instructors: Jessica Kirkpatrick, Jenny Drnevich (HPCBio)
Location: 607 IGB

Class materials

- Presentation
- Linux cheat sheet
- Getting on a UNIX-based terminal
- Linux commands appendix
- Video of class (Sound is not the best, see last year’s video for better quality)

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/
- Coursera course on Command Line Tools for Genomic Data Science
  - https://www.coursera.org/learn/genomic-tools/
  - registration ends March 19th

- 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

March 18 - Introduction to Biocluster

Date: March 18th, 2015, 9 am – 1 pm
Instructors: David Slater (CNRG), Jenny Drnevich, Jessica Kirkpatrick (HPCBio)
Location: 607 IGB

Class materials

- Beginning slide
- Presentation
- Ending slides
- Biocluster help page
- How to submit a cluster job
- qsub script generator
- Video of class
Software

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