Introduction to Linux & High Performance Computing on Biocluster2

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Day 1 - Intro to Linux

Date: March 13th, 2018, 9 am – 12:30pm
Instructors: Jessica Holmes, Jenny Drenevich, Gloria Rendon (HPCBio)
Location: IGB 607 (basement of gatehouse)

WORKSHOP MATERIALS

- Introduction to Linux
  - Slides: Linux-Mar2018.pptx
- Additional Materials
  - Linux cheat sheet: LinuxCheatSheet-v2.xlsx
  - Exercise 3: exercise3-blank.pptx
  - Answers: exercise3-answers.pptx
  - Appendix: Linux_appendix.docx
- Video Recording
  - Here

Self-guided tutorials for Linux beginners

- 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#part2
- 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
- Command line bootcamp
  - Integrated web page with instructions, terminal and file browser - no logging in needed!
  - http://nik.smith-unna.com/command_line_bootcamp/

Linux Terminal Software

- Windows users:
  - MobaXterm: http://mobaxterm.mobatek.net/
  - PuTTY: http://www.putty.org/
- Macintosh users:

Day 2 - Intro to Biocluster2

Date: March 16th, 2018, 9 am – 12:30pm
Instructors: David Slater (CNRG), Jessica Holmes (HPCBio), Jenny Holmes (HPCBio)
Location: IGB 607 (basement of gatehouse)

WORKSHOP MATERIALS

- Configuring MobaXTerm
- Introduction to Biocluster2
  - Slides: Spring 2018 Biocluster Workshop.pptx
- (Optional) FASTQC overview
  - Slides: FASTQC-Mar2018.pptx
- Video Recording
  - Here

Biocluster2 Resources

- Biocluster2 help page
- Campus cluster help page
- How to obtain a Biocluster2 account
- SLURM job script generator
• You can use the pre-installed program "Terminal" by going to Applications -> Utilities -> Terminal.