Department of Computer Science

General Computing Information

http://www.geography.hunter.cuny.edu/tbw/CS.Linux.Lab.FAQ/department_of_computer_science.faq.htm

Computer Labs: use of these labs requires a Department of Computer Science Linux account.

- **Linux Lab – Room 1001B:** This lab is primarily for general use by Department of Computer Science students who are completing assignments. There are a small number of courses scheduled in this lab.
    - *Contains 26 computers running Ubuntu 16.04*
    - *(15) Dell Precision 3500 (purchased April 2009)*
    - *(11) Dell Optiplex 7440 AIO (purchased December 2016)*
- **Linux/Windows Lab – Room 1001C:** this lab is scheduled primarily for the following courses: CSCI 135, CSCI 136 and CSCI 150.
    - *Contains (37) HP 6000 dual-boot computers (purchased 2009)*
- **Linux Laptop Lab– Room 1001E:** this lab is used exclusively for CSCI 127.
    - *Contains (60) Dell Latitude 5480 laptops running Ubuntu 16.04 (purchased August 2017)*

Requesting Teaching Software in the Computer Labs

- Requests for the installation of software in the labs should be made to the Department Computing Lab Committee chaired by Prof. Stewart Weiss.
- Requests to the Computing Committee should be made two months before the start of the semester the software is needed.
- Software must be able to be installed using yum or apt-get, tools for getting, installing, deleting, querying, and managing software packages.

Computing Staff:

The Department of Computer Science has a half-time systems administrator and part-time college assistant for computing. The systems administrator is **Tom Walter** (twalter@hunter.cuny.edu) and is responsible for the following:

- *All lab Linux computers*
- *Office Linux computers*
- *Creation and monitoring of Linux accounts*
- *Basic Apple OS X support. ICIT provides support for Apple OS X.*
- *Basic Windows support. ICIT provides support for Windows.*
- *Liaison with ICIT for all computer network issues*

Department Subnet:

The Department of Computer Science has its own subnet (146.95.217.xxx) that is administered by the department's systems administrator. All hardware connected to the Department subnet must have a static IP address assigned to it by the systems administrator. Ubuntu Linux is the standard operating system used in the computing labs and some faculty computers. Department of Computer Science Linux accounts are created and administered by the Department of Computer Science systems administrator. Hunter College ICIT provides a NetID and password for all students, faculty and staff for use in ICIT computer labs, the College wireless network and for logging onto various College software systems.

Technical Help for Full-time and Part-time Faculty:

Email Tom Walter at *twalter@hunter.cuny.edu*

Technical Help for Students:

Students requiring technical help should send email from their Hunter email account to:

cstechsp@hunter.cuny.edu

The email must include the following information:

- o   the exact command you are trying to execute.
- o   the exact error message(s).
- o   the name of the machine you're trying to log into.
- o   your Linux account user name and your full name as it appears in CUNYfirst.

Technical help does NOT include programming help or help relating to Computer Science courses.

Expected Linux-Related Content in 100-level Computer Sciences Courses:

If your 100-level course includes Linux-related content and requires Linux accounts you must request Linux accounts and include the following content in your course.

- *How to log onto a Linux computer locally and remotely.*
    - o   First-time users should log in while in one of the Linux Labs.
- *How to change passwords*
- *How to keep track of passwords so students don't have to ask for a password reset.*
- *How to SSH from a remote location to the Department of Computer Science*
- *Linux file structure*
- *Basic Linux commands*
- *How to prevent Chrome from using up your disk quota.*

- *How to prevent FireFox from using up your disk quota.*

There are a number of documents with detailed information relating to the bulleted items above on the Department of Computer Science Linux lab FAQ and be found at this link:

http://www.geography.hunter.cuny.edu/tbw/CS.Linux.Lab.FAQ/department_of_computer_science.faq.htm

Requesting Linux Accounts for Your Course(s) Updated: 2/2/2018

Two days are required for the creation of Linux accounts at the beginning of semesters. Require your students to login to their new account within **three days** of receiving their account information.

If you have late registrations

Remote (SSH) Linux logins are allowed but there are restrictions. Refer to the Linux Lab FAQ web documentation for detailed information.

To construct the file for sending to Tom, login to Webroster/CUNYfirst version:

 www.hunter.cuny.edu/webroster

1. Select the course, click on "**Show Roster**" button.
2. In the window just to the right of "**Go**", select "**Primary Report**."
3. Click the Actions button and choose "**Reset**" button
     a. At this time you should see the student photos on the left and **Acad Level** in last column.
4. Click the **Actions** button and choose "**Select Columns**". Make sure all possible columns are listed in the right window labeled "**display in Report**."
5. In the dialog that appears, select the **Photo** column and move it to the "**Do Not Display**" list,
6. Click "**Apply**",
7. Click the **Actions** button again and choose "**Download**",
8. Save the downloaded file in the form of:
     a. *InstructorLastName.FirstName.CourseNumber.csv*

for example:

 Walter.Tom.csci.136.00.csv

DO NOT OPEN THE FILE IN EXCEL. IT WILL CHANGE THE FORMATTING.

These instructions will work provided that you have not customized your view by deleting columns. If you have, then you should reset the view before performing them.

When a Linux account is created, the user is allocated 500-MB of disk space. This isn't a lot but the vast majority of CSCI students are writing programs which do not require much disk space. Users cannot

exceed their disk quota. Students will not be able to save a file if it exceeds the assigned quota. Students will not be able to locally log onto a lab computer if they have exceeded their disk quota.

At the time of account creation, a randomly generated password is created. User name, password and other account related information are emailed to the student at their Hunter email address.

All students must reclaim their Linux accounts from the previous semester within two weeks of the start of the semester. Email will be sent to all instructors and information posted in the labs about how to reclaim Linux accounts. Accounts not reclaimed by the announced date will be deleted.