

Unix Commands



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Last meeting

- General introductions
- Overall objective
- General overview of the topics to be covered
- Meeting structure
- Recommended software
- A few recommended resources
- Quick look at a Python project
- Quick demo of Git Bash shell
- Questions

FYI

- For now, sharing slides and recordings through my Google Drive.
 - Recordings are large; share via WebEx?

Today's Objective

1. **Learn** some basic Unix commands

- Moving around file system
- Viewing listing of files and corresponding file information
- Opening files and web browsers

- **Why?**

- Good basis for learning how to program.
- Becoming more comfortable on command line
- Becoming more efficient

Quick Demo of Some Basic Commands

\$ whoami

\$ echo "hello world"

\$ echo \$PATH

\$ pwd

\$ ls

\$ cd

\$ start *.png

Video – The Unix Shell



- Software Carpentry, Greg Wilson
 - The Unix Shell: Introduction
 - <http://software-carpentry.org/v4/shell/>
 - The Unix Shell: Files and Directories
 - <http://software-carpentry.org/v4/shell/filedir.html>

Try Out Some Commands - Moving Around and Viewing File Listings

\$ pwd

- print working directory

\$ cd

- change directory to home

\$ cd *some_directory*

- change directory to some directory

\$ cd .

- single period refers to current directory

\$ cd ..

- double period refers to parent directory

\$ cd *dir1/dir2/dir3*

- change current directory to “dir3”

\$ ls

- list files and directories

\$ ls -F

- list files and directories (details)

\$ ls -l

- list files in “long” format (file info)

\$ ls -t

- list files by date (time); newest to oldest

\$ ls -l -t

- detailed time ordered list

\$ ls -lt

- detailed time ordered list

\$ ls -lh

- “human readable” listing

Try Out Some Commands - Open Files and Web Browser

\$ start *some_text_file*

- open “some text file” in default editor

\$ start notepad ++ *some_text_file*

- Open “some text file” in Notepad++ editor

\$ start *some_image_file*

- Open “some image file” in default image viewer

\$ start iexplore

- Start Internet Explorer

\$ start iexplore *some_website*

- Open website

\$ start chrome

- Start Google Chrome

\$ start chrome *some_website*

- Open website

\$ start chrome *<https://github.com/jlant-usgs>*

Next meeting

- More Unix commands
 - Creating and deleting
 - Pipes and filters