

Unix, Linux, and Max OS X Commands

Common Filesystem Commands

cd	change directory
	cd foo
	cd ../..
cp	copy files and directories
	cp /tmp/foo.txt .
	cp f1 f2 f3 dir1
gzip	compress a file
	gzip bigfile.tar
ls	list files and directories
	ls -alF
	ls -aCF
mkdir	make a directory
	mkdir dir1 dir2 dir3
	mkdir -p a/b/c/d
more	scroll through a file
	more bigfile.txt
ps	show running processes
	ps auxwww
mv	move files and directories
	mv f1 f2 f3 dir1
rm	remove a file or directory
	rm oldfile
	rm -r olddir
tar	archive command
	tar czvf all.tgz *
	tar xzvf all.tgz
wc	word count
	wc -l file1 file2

Search Commands

find	find files and directories
	find .
	find . -type f -name "*.java"
grep	search for text in files
	grep 'foo' *
locate	find files on the entire system
	locate java
mdfind	(like locate; mac os x only)

Less-Common Commands

cat	concatenate files
chgrp	change group owner
chmod	change file mode
chown	change file owner
df	show free disk space
diff	differences between files
du	directory usage (du -s *)
head	display the beginning of a file
history	show history of commands
last	show last user login times
ln	link files and directories
lsof	list of open files
man	man pages (help)
sed	streamline editor
sort	sort input
strings	search for text in binary files
tail	display the end of a file
who	who is on the system

Configuration Files

~/.bashrc	bash run commands
~/.bash_profile	bash config file (linux)
~/.profile	bash config file (mac)
~/.vimrc	vi/vim config file

Sample Aliases

```
alias l="ls -alF"
alias h=history
alias cd..="cd .."
alias html="cd /usr/local/html"
```

Common Network Commands

ftp	file transfer protocol
ping	ping a remote system
scp	secure copy
ssh	secure shell

Command Mashups

```
grep foo *txt | wc -l
history | grep ssh
ls -al | more
ls -al | grep Jul | grep -v 2006
ls -al | grep '^d'
ps auxwww | grep -i java
ps aux | wc -l
who | wc -l
```