

The Command Line: A Guide

Frequently Used Commands	
<code>cat <filename></code>	concatenate
<code>cd [location]</code>	change directory
<code>chmod [permission] <path></code>	change file permissions
<code>cp [options] <source> <destination></code>	copy
<code>env</code>	display environment variables
<code>exit</code>	exit or close the shell
<code>file [path]</code>	find the file type
<code>history</code>	display command history
<code>id</code>	display the user ID
<code>ifconfig</code>	manage interfaces
<code>ifdown</code>	stop network interfaces
<code>ifup</code>	start network interfaces
<code>less <filename></code>	view file in pieces
<code>logout</code>	logout of the shell
<code>ls [options] [location]</code>	list
<code>man [command]</code>	manual page
<code>mkdir [options] <filename></code>	make directory
<code>mount <path></code>	mount a filesystem
<code>mv [options] <source> <destination></code>	move or rename
<code>nslookup [name]</code>	search DNS servers
<code>passwd</code>	set or change password
<code>ping [address]</code>	ping an address
<code>pwd</code>	print working directory
<code>rm [options] <filename></code>	remove file
<code>rmdir [options] <path></code>	remove directory
<code>shutdown</code>	shutdown the system
<code>touch [options] <filename></code>	create blank file
<code>traceroute [address]</code>	trace network path
<code>umount <path></code>	unmount a filesystem
<code>who</code>	display who is currently logged in

Permissions

	-	r	w	x	r	w	x	r	w	x
		Owner Permissions			Group Permissions			Other Permissions		
		4	2	1	4	2	1	4	2	1
chmod			7			5			0	
		r	w	x	r	-	x	-	-	-
chmod			2			3			1	
		-	w	-	-	w	x	-	-	x

Wildcards

*	All characters	ls *.txt
?	Single character	ls file?.txt
[]	Range of values	ls file[0-9].txt
{}	List of values	ls file{1,2,3}.txt

Redirection

>	Send output to a file	ls > all_files.txt
>>	Append output to a file	ls >> every_file.txt
<	Use input from somewhere	cat < file.txt
	Use the output of one command for the input of another	ls -l sort