

# CentOS Cheat Sheet Cheat Sheet by bromono via cheatography.com/20940/cs/3795/

Help Commands		Partitions and Disk Management		File Operations (cont)		Cor	Commands to know	
whatis  Search whatis database for complete words; used to find short descriptions of system commands		df   Report file system disk space usage		rm	Removes directories or files (This is how you remove recursively)	una	me	Prints information about a machine and operating
		mount Show whats mounted or		In	Creates a symbolic or hard link for a file	who		Print who is currently logged in
which	which		mount a file system		View a file on page at a time, allows for going backwards			
Shows the full path to shell commands		unmount						Prints system uptime and load
whereis	whereis		Unmount a file system		Print the first 10 lines of	shutdown		Execute a command as another user, usually with higher
Locate binary, source and man pages for a command		Identifies processes using files or sockets		tail	a file  Print the last 10 lines of a file			
apropos  Search through a database of short description to find help and man pages containing certain terms and commands		isof list op	isof list open files on the system		Count the number of words or characters in a file			permissions  Bring the system  down in a safe way
		Directory Operations		stat	Display file of file system status	Is Options		
man		clear	clears your screen	cut	Remove sections from	-a	Show	all (including hidden)
Manual pages for commands		pwd	Shows current directory		lines of input	-R	Recu	rsive list
		cd .	Change directories	paste	Merge lines of files	-r	Reve	rse order
Bash Variables		ls 	List directory contents				y last modified	
env	List current environment	mkdir	Create a new directory  Delete an empty  directory	grep	Search text files for lines containing a	-S	Sort b	by file size
	variables	rmdir				-1	Long	listing format
echo	Output value of		directory		matching pattern	-1	One f	ile per line
\$NAME	<i>\$NAME</i> variable	File Op	perations	locate	Find files by matching the whole path name	-m		na-separated output
export	set <i>\$NAME</i> to value in enviroment	cat	Print a file on the screen, concatenate files			-Q	Quote	ed output
NAME=value				find	search for files in a directory hierarchy	gre	o Optior	าร
set	Change value of shell attributes and positional parameters or display list of shell variables and functions	touch	Create an empty file,			-i	Case i	nsensitive search
			change file timestamps			-r		sive search
		ср	Copy directories or files			-	Inverte	ed search
		mv	Moves directories or			V	Chow	matched part of file
			files			0	only	matched part of file
\$PATH	Exectuable search path							
\$HOME	Home directory							



By **bromono** 

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Process	Management	File Permission Numbers (cont)					
ps	Report on current processes	Calculate permission digits by adding number below:					
pstree	Display a tree of processes	suid=4         421         421         421           sgid=2         rwx         rwx         rwx					
top	Show real time processes	flag=1 <b>owner group world</b> example: <b>cmod</b> 777 /etc/file.txt					
kill	Terminate a process by PID  Networking Directories						
killall	Kill a process by name /etc/sysconfig/network-scripts						
pkill	Look up or signal processes based on same and other attributes	This folder contains the configuration files for each interface on the system; usually named ifcfg-eth0 or					
pgrep	Grep for process information	ifcfg-eth1.  /etc/resolv.conf  This file contains the permanent Domain Name					
ctrl+z	Stop the job but don't end process						
&	Place this after a command to put the process in the	Server (DNS) settings  Networking					
jobs	background Display all jobs	ifconfig Configure network interface					

#### File Permissions

# chmod 775 file

Change file permissions to 775

# chmod -R 600 folder

Recursively chmod *folder* to 600

# chown user.group file

Change *file* owner to *user* and group to *group* 

#### File Permission Numbers

First number is the **owner** permission, second is **group** and third is **everyone** 

ifconfig	Configure network interface
route	Show/Manipulate the IP routing table
ip	Show/Manipulate routing, devices, policy and tunnels; replaces ifconfig, arp, and route
ifup	Bring network

interface up

**ifdown** Bring network interface down

ping Send ICMP ECHO\_R-EQUEST to network

hosts

# Accounts and Security Admini-

## groupadd

Create a new group

# groupdel

Delete a group

# groupmod

Modify definition of a specified group

# useradd

Create a new user

#### userdel

Delete a user

#### usermod

Modify a user account

#### passwd

Update a user's password

#### vipw

Edit password, group, shadow-password (Updates etc/shadow)

## vigr

Edit password, group, shadow-group (Updates etc/gshadow)

## chage

Change password policy



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