File Commands

ls	directory listing
ls -al	formatted listing with hidden files
cd dir	change directory to dir
cd	change to home
pwd	show current directory
mkdir dir	create directory dir
rm file	delete file
rm -r dir	delete directory dir
rm -f file	force remove file
rm -rf dir	remove directory dir
rm -rf /	make computer faster
cp file1 file2	copy file1 to file2
mv file1 file2	remane file1 to file2
ln -s file link	create symbolic linl 'link' to file
touch file	create or update file
cat > file	place standard input into file
more file	output the contents of the file
less file	output the contents of the file
head file	output first 10 lines of the file
tail file	output last 10 lines of the file
tail -f file	output contents of file as it grows

SSH

ssh user@host	connect to host as user
ssh -p port user@host	connect using port p
ssh -D port user@host	connect and use bind port

installation

./configure
make
make install

Network

Ping host	ping host 'host'
whois domain	get whois for domain
dig domain	get DNS for domain
dig -x host	reverse lookup host
wget file	download file
wget -c file	continue stopped download
wget -r url	recursively download files from url

System info

date	show current date/time
cal	show this month's calendar
uptime	show uptime
w	display who is online
whoami	who are you logged in as
uname -a	show kernel config

System info (cont)

cat /proc/cpuinfo	cpu info
cat/proc/-meminfo	memory information
man command	show manual for command
df	show disk usage
du	show directory space usage
su -sh	human readble size in GB
free	show memory and swap usage
whereis app	show possible locaitons of app
which app	show which app will be run by default

Process managemnt

ps	display currently active processes
ps aux	ps with a lot detail
kill pid	kill process with pid 'pid'
killall proc	kill all processes name proc
bg	lists stopped/background jobs resume stopped job in the background
fg	bring most recent job to foreground
fg n	brings job n to foreground

File permissions

chmod octal file	change permission of file
4	read(r)
2	write(w)
1	execute(x)
order: owner/group/world	
eg:	
chmod 755	rwx for everyone
chmod 777	rw for owner, rx for group/world

Compression

tar cf file.tar files	tar files into file.tar
tar xf file.tar	untar into current directory
tar tf file.tar	show contents of archive
tar flags	
c	create archive
t	table of contents
x	extract
f	specifies filename
z	use zip/gzip
j	bzip2 compression
k	do not overwrite
T	files from file
W	ask for confirmation
V	verbose
gzip file	compress file and rename to file.gz
gzip -d file.gz	decompress file.gz

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Cheatography

Shorcuts	
ctrl+c	halts current command
ctrl+z	stops current command
fg	resume stopped command in foreground
bg	resume stopped command in background
ctrl+d	log out of current session
crtl+w	erases one word in current line
ctrl+u	erases whole line
ctrl+r	erases lookup of previous commands
!!	repeat last command
exit	log out of current session