

# Linux Cheat Sheet (c) 2015 Alexander Seitz

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## 1 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 dir
rm file	delete file
rm -r dir	remove directory
rm -f file	force remove file
rm -rf dir	force remove dir
cp file1 file2	copy file1 to file2
cp -r dir1 dir2	copy dir1 to dir2
mv file1 file2	rename or move file1 to file2
ln -s file lnk	if file2 is an existing directory, moves file1 into directory file2 create symbolic link lnk to file
touch file	create file
cat file	print the contents of the file
cat > file	places standard input into file
less file	output the contents of file
head file	output the first 10 lines of file
tail file	output the last 10 lines of file
tail -n 5	output the last 5 lines of the file
tail -f file	output the contents of file as it grows, starting with the last 10 lines

## 2 SSH

ssh user@host  
ssh user@host -Y

## 3 Searching

grep pattern files  
grep -r pattern dir  
command | grep pattern

## 4 Compression

tar cf file.tar files  
tar xf file.tar  
tar czf file.tar.gz files  
tar xzf file.gar.gz

## 5 Shortcuts

ctrl+c  
ctrl+z  
exit

halts the current command  
stops the current command,  
resume with **fg** in foreground  
or **bg** in background  
log out of current session

connect to host as user  
connect to host as user. You  
can now start graphical  
programs on host

search for pattern in files  
search recursively for pattern  
in dir1  
search for pattern in the  
output of command

create tar named file.tar  
containing files  
extract teh files from file.tar  
create a tar with Gzip  
compression  
extract a tar using Gzip

## 6 Vim

### quitting

:x  
:wq  
:q  
:q! exit, ignore changes

### inserting test

i  
I  
r  
R

Ins

Esc

### deleting test

x  
X  
del  
dd  
:d

## 7 screen

screen -S name

screen -R name

ctrl-a d

## 8 help

man command

command -h/--help/-?

exit, saving changes  
exit, saving changes  
exit, if no changes were made

insert before cursor  
insert before current line  
replace one character  
replace many characters  
toggle between insert and  
replace  
exit current mode

delete character to the right  
delete character to the left  
delete character to the right  
delete curent line  
delete current line

create new screen named  
name  
resume screen named name.  
If it doesn't exist, create it  
detach from current screen

shows the manual page of  
most commands  
shows the help for most  
commands