

Linux Cheat Sheet

Looking and Navigating		Network and File Transfers	
pwd	print working directory	hostname -f	print host name
ls	list files and directories	whoami	print user name
ls -la	list all in column format	ssh username@hostname	remote login
mkdir dir_name/	make a new directory	scp local remote	copy files from local to remote
cd dir_name/	change into directory	scp remote local	copy files from remote to local
rmdir dir_name/	remove an empty directory	e.g.:	
Creating and Manipulating Files		scp filename username@hostname:/path/	
touch file_name	create a new file	scp username@hostname:/path/file ./	
rm file_name	remove a file		
rm -r dir_name/	remove a directory	rsync -azv local remote	advanced syncing
mv file_name dir_name/	move a file	rsync -azv remote local	advanced syncing
mv old_file new_file	change file name	e.g.:	
mv old_dir/ new_dir/	change direc. name	rsync -azv dir_name	
cp old_file new_file	copy a file	username@hostname:/path/	
cp -r old_dir/ new_dir/	copy a directory	rsync -azv username@hostname:/path/dir	
vim file_name	edit a file with VIM	./	
Reading Files		Miscellaneous Commands 1	
cat file_name	print file contents	man command_name	read manual pages
cat f1 >> f2	concatenate files	echo "this sentence"	print a statement
more file_name	scroll through file contents	echo "this" >> file	add statement to file
less file_name	scroll through file contents	date	print system date and time
head file_name	output beginning of file	history	show command history
head -n 20 file_name	output first 20 lines	logout	logout of host
tail file_name	output end of file		
tail -n 20 file_name	output last 20 lines		
More File Commands		Miscellaneous Commands 2	
ln -s target link	link files or direc.	which command_name	locate a command
chmod 755 file	change permissions	diff file1 file2	compare files line by line
chmod -R 755 dir/	change per. recursively	df -h	report file system disk space
grep pattern file	print lines matching pattern	du -hs dir_name/	report disk space usage
tar -cvf archive dir/	archiving tool	top	see running processes (q to quit)
tar -xvf archive	(un)archiving tool		
gzip -v file	compressing tool		
gzip -dv file	(un)compressing tool		
Shortcuts			
<Tab>	auto complete	>	redirect and overwrite
<UpArrow>	see previous command(s)	>>	redirect and append
<Ctrl+c>	force interrupt	*	wildcard
<Ctrl+d>	logout	 	chain commands
./	this directory	&	run in background
../	parent directory	command >& log &	run in bkgrd and right to log
~/	home directory		