

Linux basic commands		Linux redirection		Linux redirection (cont)		Linux advanced	
pwd	shows Present working directory	cat > test.txt	Creates a file named test.txt and records data given below	rmdir pv (verbose)	Shows how removal will work	top	displays processes running on the computer
cd	changes Directory			rm	removes file		
cd ~	changes directory to home	cat > test.txt (again)	Overwrites previous data	cp [file1.txt] [dirname]	copies file1.txt to the specified directory	s (in top menu)	changes refresh rate
cd ..	goes one directory behind	cat >> test.txt	appends data	cp -r	copies recursively	i (in top menu)	shows idle processes
ls	shows list of directories and files in current working directory	cat [textfile1] [textfile2] > [new or existing file]	concatenates textfile1 and textfile2 and saves to new file	man <any command>	Displays manual for that command	k (in top menu)	kills process using PID
ls -l	shows list of directories in long format	mkdir [directoryname]	creates a directory	mv [file1.txt] [dirname]	move file1.txt from current dir to specified directory	pid of	finds process id of process using name
ls -a	shows all files and directories including hidden ones	mkdir -p [dir]/[subdir]	creates a path of directories	touch <filename>	creates file quickly	kill [PID]	kills process for given process id
ls <directory name>	shows list of directories and files in specified directory	mkdir -p [dir]/{subdir1,subdir2,subdir3}	Create multiple subdirectories in one directory	touch <existingfile>	updates time stamp of file	kill -9 [PID]	Force stop
ls -lS > file.txt	saves list in long form to txt file in pwd	rmdir	Remove directory	nano	opens file editor	ps -ux	Gives list of running processes and finds PIDs
cat	Echoes input	rmdir -p a/b/c/d/e	removes entire directory path	vim	opens vim file editor	ps -aux	Gives list of all running processes and finds PIDs
cat <textfile-name>	Displays content of file or files			sudo	executes command as superuser		



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Linux advanced (cont)

ps -U [user] displays list of running processes for given user

ps -C to know the instances of that program

echo displays whatever we type (useful in bash scripting)

chmod Utility to change permission of the file

wget get(just reads)

sudo updates system

apt-get update

exit Exits superuser or terminal

ssh -i ./[file] establishes ssh connection

[username]@[ip]

vmstat prints a summary of key server statistics, processes, cpu, disk space

git commands

apt-get install git installs git on linux

git init initializes empty git repository in folder

git add <file name> stages file for commitment

git add . stages all files for commitment

git commit -m "<note>" commits staged files

git status shows status of files

git branch shows all branches

git branch <branch name> creates new branch

git switch <branch name> switches branch

git checkout <branch name> switches branch

git merge <branch name> merges the specified branch with current branch

git commands (cont)

git rebase <branch name> merges the specified branch with current branch and adds commit ahead of present commits

git stash used to store changes when we want to move to a different directory without committing current changes

git push -u origin master pushing changes to central github repository

git --help shows all commands

git untrack file

git restore

--<

staged file name>



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