

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