

Linux Commands

Listing Files And Directories

1. ls (list directory contents)
2. ls -l (long listing format)
3. ls -al (long listing format with hidden files)
4. ls -R (list subdirectories recursively)
5. ls -alR
6. ls -alh (human readable form)
7. l. (shows only hidden files)
8. ll
9. ls -i (print inode/index number of each file)
10. dir
11. vdir
12. ln -s (make soft links between files, no disk space used, can cross partitions, orphaned if parent deleted, same inode as parent)
13. ln (create hard links betw files, uses disk space, can't cross partitions, retains data if parent is deleted but still same inode)
14. namei (follow a pathname until a terminal point is found – i.e. the parent of a symlink ad infinitum)
15. namei -m
16. namei -x
17. wc
18. wc -l
19. wc -w
20. wc -b
21. wc -c
22. ls -l | wc -l

Config Files

1. /etc/DIR_COLORS

Working With Files And Directories

CREATING/DELETING/RENAMING/COPYING/CHANGING FILES AND/OR DIRECTORIES

23. touch (to create a empty file or change file timestamps)
24. pwd
25. cp
26. cp -i
27. cp -a
28. cp -dpR (similar to above)
29. rm
30. rm -i
31. rm -f (remove files without asking for confirmation)
32. mv (move or rename files or directories)
33. mv -i
34. mkdir (make directories)
35. mkdir -p (make parent directories)
36. mkdirhier (similar to above)
37. rmdir
38. rm -fr (remove files and directories forcefully and recursively without warning)
39. cd <dir>
40. cd -> Return home

Date And Time

41. date (date --set "mm/dd/yy")
42. redhat-config-date [X]
43. redhat-config-time [X]
44. hwclock (shows or sets the hardware CMOS clock – hwclock - -set - --date="mm/dd/yy")

- 45. hwclock - -hctosys (updates the system clock. From the CMOS clock)
- 46. cal (displays a calendar)
- 47. gcalc [X]
- 48. kcalc [X]
- 49. timeconfig (Set locale)
- 50. uptime (Tells how long the system has been running until last reboot.)

Archiving Utilities

- 51. tar -cvf <archive/filename>.tar file-list-to-archive
- 52. tar -xvf <archive/filename>.tar
- 53. tar -tvf <archive/filename>.tar
- 54. tar -zcvf <archive/filename>.tar.gz file-list-to-archive
- 55. tar -zxvf <archive/filename>.tar.gz
- 56. tar -ztvf <archive/filename>.tar.gz
- 57. tar -jcvf <archive/filename>.tar.bz2 file-list-to-archive
- 58. tar -jxvf <archive/filename>.tar.bz2
- 59. tar -jtvf <archive/filename>.tar.bz2
- 60. cpio

Compression Utilities

- 61. compress
- 62. uncompress
- 63. gzip
- 64. gzip -d
- 65. gunzip (same as above)
- 66. bzip2
- 67. bunzip2
- 68. zip
- 69. unzip
- 70. crypt
- 71. encrypt

Getting Help

- 72. info (Read documentation in Info format.)
- 73. man (display the online manual pages)
- 74. man -a (display all the manual pages)
- 75. whatis (search the whatis database for complete words.)
- 76. makewhatis
- 77. apropos (search the whatis database for strings)
- 78. command --help
- 79. whereis

Config Files

- 2. /usr/share/man/man1 /usr/share/man/man9
- 3. /usr/share/doc/*
- 4. /etc/man.config
- 5. /var/cache/man/whatis

Finding And Searching

- 68. locate
- 69. updatedb
- 70. slocate
- 71. find
- 72. which
- 73. whereis

Config Files

6. /var/lib/slocate/slocate.db

Basic Commands

74. clear (clear the terminal screen)
 75. alias
 76. unalias
 77. exit
 78. logout
 79. login
 80. bash
 81. ^d
 82. history (recently accessed commands)
 83. tty (Print the file name of the terminal connected to standard input.)
 84. echo (display a line of text)
 85. file (determine file type)
 86. logname (print user's login name)
 87. runlevel (find the current and previous system runlevel.)
 88. stty (print terminal settings)
 89. stty -a (print all terminal settings)
 90. reset (reset terminal initialization)
 91. dmesg (used to examine or control the kernel ring buffer.)
 92. klogd
 93. uname (prints the kernel name.)
 94. uname -r (prints the kernel version)
 95. uname -a (prints all the system information)
 96. mkbootdisk (creates a boot floppy for the running system)
 97. sync (flush filesystem buffers)
 98. free
 99. fc
 100. write
 101. wall
 102. mesg
 103. mesg n
 104. mesg y
 105. mc
 106. bc
 107. source
 108. tree
 109. tree -d
 110. ntsysv (Change bootup services)
 111. ntsysv - -level 5
 112. redhat-config-services [X]
 113. redhat-config-language
 114. su (Substitute User)
 115. su -
 116. su -username
 117. sudo

Config Files

7. /root/install.log
 8. /etc/sudoers

Working with Text Files

118. pr (convert text files for printing/print preview)
 119. less
 120. more
 121. cat (concatenate files and print on the standard output)
 122. grep (print lines matching a pattern)
 123. grep -l (global regular expression print – Pattern scanning and searching)
 124. grep -n
 125. grep -c
 126. egrep
 127. fgrep

128. head (Shows first 10 lines of a text file)
 129. head -5 (Shows first 5 lines of a text file)
 130. tail (Shows last 10 lines of a text file)
 131. tail -5 (Shows last 5 lines of a text file)
 132. tail -f (Shows text file and freshening in real-time)
 133. script
 134. ispell check (Spelling checker)
 135. nl (Number lines)
 136. sort -r
 137. sort -n

Working with Text Files – Some More

138. awk	139. gawk	140. cmp	141. column
142. comm	143. diff	144. diff3	145. enscrip
146. eqn	147. expand	148. fmt	149. fold
150. fortune	151. groff	152. gs	153. join
154. look	155. md5sum	156. nroff	157. od
158. paste	159. pdf2ps	160. pdf2tptext	161. ptx
162. rev	163. sdif	164. strfile	165. split
166. strfile	167. sum	168. tac	169. tr
170. troff	171. unexpand	172. uniq	173. unstr
174. zcat	175. zcmp	176. zdif	177. zegrep
178. zfgrep	179. zgrep	180. zmore	

Linux Editors

181. pico (simple text editor in the style of the Pine Composer)
 182. mcedit (Full featured terminal text editor for Unix like systems.)
 183. vi (VI IMproved, a programmers text editor)
 184. vim
 185. joe (Joe's Own Editor)
 186. emacs
 187. jed
 188. nedit
 189. elvis
 190. kate
 191. kwrite
 192. kedit
 193. gedit
 194. Abiword
 195. xjed
 196. elvis-x
 197. gless

Adding / Deleting / Modifying Users – User Administration

198. adduser (Create a new user)
 199. useradd
 200. passwd (To change password)
 201. mkpasswd
 202. pwgen
 203. redhat-config-rootpassword
 204. userdel (Delete a user)
 205. userdel -r (Delete a user account and related files)
 206. userconf (Deprecated)
 207. redhat-config-users [X])
 208. usermod
 209. users
 210. id (print real and effective UIDs and GIDs)
 211. id -u
 212. id -g

- 213. chfn
- 214. chsh
- 215. vipw (edit the passwd files/prompts for change to shadow file also)
- 216. pwconv
- 217. pwunconv
- 218. pwck
- 219. chage - eg. chage -m 0 -M 90 -d 0 -I 0 -E 0 -W 10 foo

Config Files

- 9. /etc/passwd – Disable a single user with “ * ”
- 10. /etc/shadow
- 11. /etc/group
- 12. /etc/gshadow
- 13. /etc/login.defs
- 14. /etc/default/useradd
- 15. /etc/shells
- 16. /etc/skel
- 17. /etc/nologin
- 18. /etc/securetty

Adding / Deleting / Modifying Groups – Group Administration

- 220. groupadd
- 221. groupmod
- 222. groupdel
- 223. groups
- 224. vigr
- 225. grpconv
- 226. grpunconv
- 227. grpck

File And Group Permissions

- 228. chmod ugo, rwx, -R
- 229. chown
- 230. chgrp
- 231. umask
- 232. Explain setuid, setgid, sticky – Ss, Tt, 1,2,4

Working With Floppies And Cdroms

- 233. eject
- 234. eject -t
- 235. mount
- 236. umount

Config Files

- 19. /etc/fstab

Process/Environment/Job Control

237. &	238. bg
239. fg	240. jobs
241. suspend or ^Z	242. nohup (Ignoring hangup signals even logouts. Must end in &)
243. kill -9 or ^C (sends signal to terminate process surely)	244. w (Show who is logged on and what they are doing.)
245. who (Show who is logged on)	246. whoami (Print the user name)

247. finger (Displays info about the system users.)	248. who am i
249. kill	250. kill -9
251. killall	252. nice -n priority PID (Alter priority H: -20 L:19 Def: 10)
253. renice priority PID (Alter priority of running processes)	254. printenv
255. env (Shows environment variables)	256. export
257. top (Display top CPU processes)	258. gtop (X) (Deprecated)
259. readonly (Make a shell variable readonly)	260. unset
261. pidof (Find the process ID of a running program)	262. ulimit -a
263. ulimit -S	264. ulimit -H
265. ulimit -f	266. ulimit -u
267. ulimit -v	268. ps (process status)
269. ps -el (display process status for everything in long format.)	270. ps -ef
271. ps -aux	272. ps -ux
273. ps -xxx	274. ps -t tty1
275. lsof	276. fuser -mv /mnt/cdrom
277. sleep	278. usleep
279. pstree	

Config Files

20. /etc/fstab

Shutting down and Halting your System

280. halt
 281. poweroff
 282. shutdown
 283. shutdown -t secs -h now
 284. shutdown -t secs -r now
 285. shutdown +5 -h
 286. shutdown +5 -r
 287. shutdown -c
 288. shutdown -a
 289. reboot
 290. init 1,2,3,4,5,6,0

Config Files

21. /etc/shutdown.allow
 22. /etc/fstab

Checking Disk Space and Usage

291. df (report filesystem disk space usage)
 292. df -h (print sizes in human readable format)
 293. df -i
 294. fdisk -l (Partition table manipulator)
 295. du
 296. du -sh (Summarize disk usage)
 297. e2label (Change the label on an ext2 filesystem)

Linux Shells

298. bash
 299. sh
 300. csh
 301. chsh

Linux Web Browsers

302. lynx
 303. links
 304. netscape (X)
 305. konqueror (X)
 306. opera (X)
 307. mozilla (X)

Email Clients

308. pine
 309. mutt
 310. kmail
 311. mozilla
 312. Ximian Evolution
 313. balsa

mtools

314. mattrib	315. mbadblocks	316. mcat
317. mcd	318. mcopy	319. mdel
320. mdeltree	321. mdir	322. mdu
323. mformat	324. minfo	325. mlabel
326. mkmanifest	327. mmd	328. mmount
329. mpartition	330. mrd	331. mmove
332. mren	333. mshowfat	334. mtoolstest
335. mtype	336. mzip	337. xcopy
338. mdoctor	339. mwrite	340.

Config Files

23. /etc/mtools.conf

Sound/Graphics/Viewers

341. pixie	342. kview	343. kpaint
344. kghostview	345. ksnapshot	346. gimp
347. xpaint	348. xsane	349. xpdf
350. xfig	351. play	352. playmidi
353. plaympeg	354. playwave	355. aumix
356. cdda2wav	357. cdp	358. cdplay
359. play	360. playmidi	361. plaympeg
362. playwave	363. mpg123	364. rec
365. sox	366. combine	367. convert
368. montage	369. mogrify	370. mikmod
371. identify	372. ghostscript	373. zine
374. xmms	375. ghostscript	

Hardware / System Configuration

376. setup	377. authconf	378. kbdconfig
379. mouseconf	380. sndconfig	381. timeconfig
382. lokkit – [firewall-config]	383. tzselect	384. printtool-gui
385. netconf	386. netconfig	387. netcfg
388. ntsysv	389. tksysv	390. XF86Setup
391. XConfigurator	392. xvidtune	393. hostname -i, -d, -a, -s,
394. uname -a, -r, -mrs	395. mkbootdisk	396. mtools
397. rpm -ivh, -U, -F, -e, -qa, -qf, -qi		

List Of Redhat Commands :

398. redhat-cdinstall-helper	399. redhat-config-proc
400. redhat-config-bind	401. redhat-config-rootpassword
402. redhat-config-bind-gui	403. redhat-config-securitylevel [lokkit]
404. redhat-config-date	405. redhat-config-services [ntsysv]
406. redhat-config-httpd	407. redhat-config-soundcard [sndconfig]
408. redhat-config-keyboard [kbdconfig]	409. redhat-config-time
410. redhat-config-kickstart	411. redhat-config-users
412. redhat-config-language	413. redhat-config-xfree86 [X]
414. redhat-config-mouse	415. redhat-control-network
416. redhat-config-network	417. redhat-install-packages [rpm]
418. redhat-config-network-cmd	419. redhat-logviewer [Linux logs and logrotate]
420. redhat-config-network-druid	421. redhat-switchmail
422. redhat-config-nfs	423. redhat-switchmail-nox
424. redhat-config-packages	425. redhat-switch-printer
426. redhat-config-printer	427. redhat-switch-printer-nox
428. redhat-config-printer-gui	429. redhat-update-gnome-font-install
430. redhat-config-printer-tui	431. redhat-update-gnome-font-install2

X Window

432. startx
 433. startx --expert
 434. xterm
 435. tty
 436. stty
 437. xdm
 438. kdm
 439. gdm
 440. gpm
 441. switchdesk

Module Management

442. modprobe
 443. modinfo -d <modulename>
 444. insmod
 445. lsmod
 446. rmmod
 447. depmod
 448. lspci

Quota Management

449. edquota
 450. quota
 451. quotacheck
 452. quotaoff
 453. quotaon
 454. repquota

Window/Desktop Managers

455. sawfish
 456. enlightenment

457. blackbox
 458. startkde
 459. gnome-session
 460. fvwm2
 461. icewm

Troubleshooting / Debugging

462. runlevel	463. init 0
464. init 1	465. init 2
466. init 3	467. init 4
468. init 5	469. init 6
470. fdisk -l	471. cfdisk
472. fdformat	473. badblocks
474. autorun	475. dd
476. df -h	477. du -ars
478. e2label	479. chroot
480. dumpe2fs	481. e2fsck -y
482. e2fsck -b	483. fsck
484. sync	485. tune2fs
486. tune2fs -l	487. tune2fs -L label
488. mke2fs -c -b	489. mke2fs -n
490. mkfs.ext3	491. mkfs.xfs
492. mkfs.reiserfs	493. mkswap
494. swapon -a	495. mknod
496. lsmod	497. mknod devname b maj min
498. lspci -v	499. lspci -n
500. lspci -v -v	501. chkconfig - -list
502. chkconfig - -level 3 wu-ftp on off	