**Linux Commands with Examples**

Our Linux Command Tutorials cover 1000+ important Linux commands with explanations and examples. Anyone wishing to sharpen their skills on Linux Environment, Linux Administration, Scripting and Troubleshooting should practice these tutorials on linux basic commands and their options. Anyone preparing for Redhat / Ubuntu / SuSE Linux / Unix certifications, examinations and interviews would also do well after practicing all these linux commands and tutorials.

**Here’s the list of Tutorials on Linux Command with Various Categories**

**1. Linux File Management Commands**

|  |  |  |  |
| --- | --- | --- | --- |
| [cat](https://www.sanfoundry.com/10-practical-cat-command-usage-examples-in-linux-4/) [chattr](https://www.sanfoundry.com/5-practical-chattr-command-usage-examples-in-linux/) [chgrp](https://www.sanfoundry.com/10-practical-chgrp-command-usage-examples-in-linux/) [chmod](https://www.sanfoundry.com/10-practical-chmod-command-usage-examples-in-linux/) [chown](https://www.sanfoundry.com/10-practical-chown-command-usage-examples-in-linux/) [chsh](https://www.sanfoundry.com/4-practical-chsh-command-usage-examples-in-linux/) [cp](https://www.sanfoundry.com/10-practical-cp-command-usage-examples-in-linux/) [csplit](https://www.sanfoundry.com/5-practical-csplit-command-usage-examples-in-linux/) [dd](https://www.sanfoundry.com/5-practical-dd-command-usage-examples-in-linux/) | [file](https://www.sanfoundry.com/5-practical-file-command-usage-examples-in-linux/) [head](https://www.sanfoundry.com/5-practical-head-command-usage-examples-in-linux/) [hexdump](https://www.sanfoundry.com/10-practical-hexdump-command-usage-examples-in-linux/) [less](https://www.sanfoundry.com/4-practical-less-command-examples-and-tips-effective-navigation-in-linux/) [ln](https://www.sanfoundry.com/5-practical-ln-command-usage-examples-in-linux/) [ls](https://www.sanfoundry.com/20-practical-ls-command-usage-examples-in-linux/) [md5sum](https://www.sanfoundry.com/5-practical-md5sum-command-usage-examples-in-linux/) [merge](https://www.sanfoundry.com/5-practical-merge-command-usage-examples-in-linux/) [mkdir](https://www.sanfoundry.com/5-practical-mkdir-command-usage-examples-in-linux/) | [more](https://www.sanfoundry.com/5-practical-more-command-usage-examples-in-linux/) [mv](https://www.sanfoundry.com/5-mv-command-usage-examples-linux/) [newgrp](https://www.sanfoundry.com/newgrp-command-usage-examples/) [pwd](https://www.sanfoundry.com/pwd-command-usage-examples-linux/) [od](https://www.sanfoundry.com/od-command-usage-examples-linux/) [rm](https://www.sanfoundry.com/rm-command-usage-examples/) [rmdir](https://www.sanfoundry.com/rmdir-command-usage-examples-linux/) [sha1sum](https://www.sanfoundry.com/sha1sum-command-usage-examples-linux/) [shred](https://www.sanfoundry.com/shred-command-usage-examples-linux/) | [split](https://www.sanfoundry.com/split-command-usage-examples-linux/) [tac](https://www.sanfoundry.com/tac-command-usage-examples-linux/) [tail](https://www.sanfoundry.com/tail-command-usage-examples-linux/) [tailf](https://www.sanfoundry.com/tailf-command-usage-examples-linux/) [touch](https://www.sanfoundry.com/touch-command-usage-examples-linux/) [wc](https://www.sanfoundry.com/wc-command-usage-examples-linux/) [lsof](https://www.sanfoundry.com/lsof-command-usage-examples/) |

**2. Linux Communication Commands**

|  |  |
| --- | --- |
| [dig](https://www.sanfoundry.com/dig-command-usage-examples-linux/) ftp [login](https://www.sanfoundry.com/login-command-usage-examples-linux/) [rsync](https://www.sanfoundry.com/rsync-command-usage-examples-in-linux/) | scp ssh sftp |

**3. Linux Commands on Comparisons**

|  |  |
| --- | --- |
| [cmp](https://www.sanfoundry.com/5-cmp-command-usage-examples-linux/) [comm](https://www.sanfoundry.com/comm-command-usage-examples-linux/) [diff](https://www.sanfoundry.com/5-diff-command-usage-examples-linux/) | [diff3](https://www.sanfoundry.com/5-diff3-command-usage-examples-linux/) [sdiff](https://www.sanfoundry.com/sdiff-command-usage-examples-linux/) |

**4. Linux Commands on Installation**

|  |  |
| --- | --- |
| [cpio](https://www.sanfoundry.com/5-practical-cpio-command-usage-examples-linux/) [install](https://www.sanfoundry.com/install-command-usage-examples-linux/) | rdist [tar](https://www.sanfoundry.com/10-practical-tar-command-usage-examples-linux/) |

**5. Linux Commands on Security and System Integrity**

|  |  |
| --- | --- |
| [badblocks](https://www.sanfoundry.com/badblocks-command-usage-examples-linux/) [chroot](https://www.sanfoundry.com/chroot-command-usage-examples-linux/) [chkconfig](https://www.sanfoundry.com/5-practical-chkconfig-command-usage-examples-linux/) [halt](https://www.sanfoundry.com/halt-command-usage-examples-linux/) | [reboot](https://www.sanfoundry.com/reboot-command-usage-examples-linux/) [shutdown](https://www.sanfoundry.com/shutdown-command-usage-examples-linux/) [vmstat](https://www.sanfoundry.com/vmstat-command-usage-examples-linux/) |

**6. Linux User Commands**

|  |  |  |
| --- | --- | --- |
| [w](https://www.sanfoundry.com/w-command-usage-examples-linux/) [whoami](https://www.sanfoundry.com/whoami-command-usage-examples-linux/) [chpasswd](https://www.sanfoundry.com/chpasswd-command-usage-examples/) [groupadd](https://www.sanfoundry.com/groupadd-command-usage-examples/) [groupdel](https://www.sanfoundry.com/groupdel-command-usage-example/) [groupmod](https://www.sanfoundry.com/groupmod-command-usage-examples/) [grpck](https://www.sanfoundry.com/grpck-command-usage-examples/) [grpconv](https://www.sanfoundry.com/grpconv-command-usage/) [lastlog](https://www.sanfoundry.com/lastlog-command-usage-examples/) | [newusers](https://www.sanfoundry.com/newusers-command-usage-examples/) [pwck](https://www.sanfoundry.com/pwck-command-usage/) [pwconv](https://www.sanfoundry.com/pwconv-command-usage/) [rusers](https://www.sanfoundry.com/rusers-command-usage-examples-in-linux/) [rwall](https://www.sanfoundry.com/rwall-command-usage-examples-in-linux/) [useradd](https://www.sanfoundry.com/useradd-command-usage-examples/) [userdel](https://www.sanfoundry.com/userdel-command-usage-examples-in-linux/) [usermod](https://www.sanfoundry.com/usermod-command-usage-examples-in-linux/) [wall](https://www.sanfoundry.com/wall-command-usage-example-linux/) | [id](https://www.sanfoundry.com/id-command-usage-examples/) [chage](https://www.sanfoundry.com/chage-command-usage-examples/) [users](https://www.sanfoundry.com/users-command-usage/) [ruptime](https://www.sanfoundry.com/ruptime-command-usage-examples-in-linux/) |

**7. Linux Commands on Daemons**

|  |  |  |
| --- | --- | --- |
| [apmd](https://www.sanfoundry.com/apmd-command-usage-examples-linux/) [atd](https://www.sanfoundry.com/atd-command-usage-examples-linux/) [bootpd](https://www.sanfoundry.com/bootpd-command-usage-examples-linux/) [cupsd](https://www.sanfoundry.com/cupsd-command-usage-examples-linux/) ftpd imapd klogd mountd named | nfsd pppd rdistd rexecd rlogind routed rpc.rusersd rpc.statd rshd | rsyslogd rwhod sshd syslogd xinetd ypbind yppasswdd ypserv |

**8. Linux Commands on Hardware**

|  |  |
| --- | --- |
| agetty [arp](https://www.sanfoundry.com/arp-command-usage-examples-linux/) [fdisk](https://www.sanfoundry.com/fdisk-command-usage-examples-linux/) [hdparm](https://www.sanfoundry.com/hdparm-command-usage-examples-linux/) | [kbdrate](https://www.sanfoundry.com/kbdrate-command-usage-example-linux/) ramsize [setkeycodes](https://www.sanfoundry.com/setkeycodes-command-usage-example-linux/) slattach |

**9. Linux Commands on Host Information**

|  |  |
| --- | --- |
| [arch](https://www.sanfoundry.com/arch-command-usage-example-linux/) [domainname](https://www.sanfoundry.com/domainname-command-usage-examples-linux/) | [host](https://www.sanfoundry.com/10-host-command-usage-examples-linux/) [uname](https://www.sanfoundry.com/5-uname-command-usage-examples-linux/) |

**10. Linux Commands on Mail**

|  |  |
| --- | --- |
| formail mailq makemap newaliases rmail | sendmail from mutt pine |

**11. Linux Commands on Managing Filesystems**

|  |  |  |  |
| --- | --- | --- | --- |
| debugfs dosfsck dump dumpe2fs e2fsck e2image e2label edquota fdformat | fsck fsck.ext2 mke2fs mkfs mkfs.ext2 mkfs.ext3 mklost+found mkraid mkswap | [mount](https://www.sanfoundry.com/mount-command-usage-example/) quotacheck [quotaon](https://www.sanfoundry.com/quotaon-command-usage-examples/) [quotaoff](https://www.sanfoundry.com/quotaoff-command-usage-examples/) quotastats rdev repquota resize2fs restore | rootflags setquota showmount swapoff swapon sync tune2fs [umount](https://www.sanfoundry.com/umount-command-usage-examples-linux-2/) warnquota |

**12. Linux Commands on Managing the Kernel**

|  |  |
| --- | --- |
| depmod lsmod modinfo | modprobe sysctl |

**13. Linux Printing Commands**

|  |  |
| --- | --- |
| accept lpadmin lpinfo | lpmove reject tunelp |

**14. Process Management Commands in Linux**

|  |  |
| --- | --- |
| [fuser](https://www.sanfoundry.com/fuser-command-usage-examples/) [renice](https://www.sanfoundry.com/renice-command-usage-examples/) | vmstat [pstree](https://www.sanfoundry.com/pstree-command-usage-examples-in-linux/) |

**15. Linux Commands on NFS and NIS Administration**

|  |  |
| --- | --- |
| makedbm rpcbind portmap rpcinfo ypbind ypcat ypinit ypmatch | yppasswdd yppoll yppush ypserv ypset yptest ypwhich ypxfr |

**16. Linux Basic Commands on Media**

|  |  |
| --- | --- |
| cdparanoia cdrdao eject genisoimage | icedax readom volname wodim |

**17. Linux Commands on TeX, LaTeX AND TYPESETTING**

|  |  |
| --- | --- |
| AMSTeX AMSLaTeX bibtool latex latex2html | evince pdflatex pdftex TeX untex |

**18. Linux Basic Commands on Graphics**

|  |  |
| --- | --- |
| cjpeg convert gimp giftrans gs gv | montage scanimage tkdesk transfig xpaint |

**19. Linux Commands on X-WINDOWS PROGRAMS with Examples**

|  |  |
| --- | --- |
| imake xcal xcalc xclock xcolors xhost xlock | xman xmcpustate xpdf xset xsysinfo xterm |

**20. Linux Commands on Miscellaneous**

|  |  |  |  |
| --- | --- | --- | --- |
| [bc](https://www.sanfoundry.com/bc-command-usage-examples-linux/) [bg](https://www.sanfoundry.com/bg-command-usage-examples-linux/) [fg](https://www.sanfoundry.com/fg-command-usage-examples-linux/) [clear](https://www.sanfoundry.com/clear-command-usage-linux/) [passwd](https://www.sanfoundry.com/passwd-command-usage-examples-linux/) [sudo](https://www.sanfoundry.com/5-sudo-command-usage-examples-linux/) [tee](https://www.sanfoundry.com/tee-command-usage-examples-linux/) [time](https://www.sanfoundry.com/time-command-usage-examples-linux/) nameif nfsstat nsupdate rarp rndc rpcbind rpcinfo ctrlaltdel initctl [runlevel](https://www.sanfoundry.com/runlevel-command-usage-linux/) telinit [uptime](https://www.sanfoundry.com/uptime-command-usage-linux/) anacron atrun cron dmesg | ldconfig logger logrotate run-parts telnetd tftpd zebra aclocal aconnect acpi acpid addr2line agetty alsactl alsamixer amidi amixer anacron aplay arecordmidi at autoconf autoheader autoscan | autoupdate [base64](https://www.sanfoundry.com/base64-command-usage-examples-linu/) bison bzcmp bzdiff bzdiff bzmore c++ c++filt cdda2wav cdparanoia cdrdao chage colcrt colrm column doexec dosfsck dvdrecord edquota elvtune enable [false](https://www.sanfoundry.com/false-command-usage-linux/) [true](https://www.sanfoundry.com/true-command-usage-linux/) | [fc](https://www.sanfoundry.com/fc-cache-command-usage-linux/) [fc](https://www.sanfoundry.com/fc-list-command-usage-examples-linux/) [fgconsole](https://www.sanfoundry.com/fgconsole-command-usage-linux/) [fmt](https://www.sanfoundry.com/fmt-command-usage-examples-linux/) [fold](https://www.sanfoundry.com/fold-command-usage-examples-linux/) formail tree [alias](https://www.sanfoundry.com/alias-command-usage-examples-linux-2/) [unalias](https://www.sanfoundry.com/unalias-command-usage-example-linux/) gpgsplit gpgv gprof ps2pdf shar tcsh wdiff workman vlock ytree [zcat](https://www.sanfoundry.com/zcat-command-usage-examples-linux/) [zdiff](https://www.sanfoundry.com/zdiff-command-usage-examples-linux/) vacation |

**21. Linux Networking Commands**

|  |  |
| --- | --- |
| [ifconfig](https://www.sanfoundry.com/10-ifconfig-command-usage-examples-linux/) iptables named [netstat](https://www.sanfoundry.com/10-netstat-command-usage-examples-linux/) [ping](https://www.sanfoundry.com/10-ping-command-usage-examples-linux/) | [traceroute](https://www.sanfoundry.com/traceroute-command-usage-examples-linux/) [tcpdump](https://www.sanfoundry.com/10-tcpdump-command-usage-examples-linux/) [nslookup](https://www.sanfoundry.com/nslookup-command-usage-examples-linux/) [ss](https://www.sanfoundry.com/ss-command-usage-examples-in-linux/) [nc](https://www.sanfoundry.com/nc-command-usage-examples-in-linux/) |

**22. Linux Commands on Program Maintenance**

|  |  |
| --- | --- |
| ctags etags gdb git gprof make nm | [objcopy](https://www.sanfoundry.com/objcopy-command-usage-examples-in-linux/) [objdump](https://www.sanfoundry.com/objdump-command-usage-examples-in-linux/) patch [pmap](https://www.sanfoundry.com/pmap-command-usage-examples-in-linux/) [size](https://www.sanfoundry.com/size-command-usage-examples-in-linux/) svn |

**23. Linux Commands on Searching**

|  |  |
| --- | --- |
| [apropos](https://www.sanfoundry.com/5-apropos-command-usage-examples-in-linux/) egrep fgrep [find](https://www.sanfoundry.com/find-command-usage-examples-in-linux/) [grep](https://www.sanfoundry.com/grep-command-usage-examples-in-linux/) [locate](https://www.sanfoundry.com/locate-command-usage-examples/) | [look](https://www.sanfoundry.com/look-command-usage-examples-in-linux/) [strings](https://www.sanfoundry.com/strings-command-usage-examples-in-linux/) updatedb [whereis](https://www.sanfoundry.com/5-whereis-command-usage-examples-linux/) [which](https://www.sanfoundry.com/which-command-usage-examples-linux/) |

**24. Linux Shell Commands**

|  |  |
| --- | --- |
| [basename](https://www.sanfoundry.com/basename-command-usage-examples-linux/) [echo](https://www.sanfoundry.com/5-echo-command-usage-examples-linux/) envsubst [expr](https://www.sanfoundry.com/5-expr-command-usage-examples-linux/) [mktemp](https://www.sanfoundry.com/mktemp-command-usage-examples-linux/) | [printf](https://www.sanfoundry.com/5-printf-command-usage-examples-linux/) [sleep](https://www.sanfoundry.com/sleep-command-usage-examples-linux/) [test](https://www.sanfoundry.com/test-command-usage-examples-linux/) [xargs](https://www.sanfoundry.com/xargs-command-usage-examples-in-linux/) |

**25. Linux Storage Commands with Examples**

|  |  |
| --- | --- |
| bunzip2 bzip2 gunzip | gzip zforce |

**26. Linux Commands on System Status**

|  |  |
| --- | --- |
| at atq atrm crontab [date](https://www.sanfoundry.com/5-date-command-usage-examples-linux/) [df](https://www.sanfoundry.com/5-df-command-usage-examples-linux/) [du](https://www.sanfoundry.com/5-du-command-usage-examples-linux/) [env](https://www.sanfoundry.com/env-command-usage-examples-linux/) [finger](https://www.sanfoundry.com/finger-command-usage-examples-linux/) [free](https://www.sanfoundry.com/5-free-command-usage-examples-linux/) hostname | [kill](https://www.sanfoundry.com/5-kill-command-usage-examples-linux/) [killall](https://www.sanfoundry.com/killall-command-usage-examples-in-linux/) [printenv](https://www.sanfoundry.com/printenv-command-usage-examples-linux/) [ps](https://www.sanfoundry.com/10-practical-ps-command-usage-examples-in-linux/) [dstat](https://www.sanfoundry.com/5-dstat-command-usage-examples-in-linux/) quota [stat](https://www.sanfoundry.com/5-stat-command-usage-examples-linux/) stty top [tty](https://www.sanfoundry.com/tty-command-usage-example/) [who](https://www.sanfoundry.com/5-who-command-usage-examples-linux/) |

**27. Linux Text Processing Commands**

|  |  |
| --- | --- |
| [cut](https://www.sanfoundry.com/cut-command-usage-examples-in-linux/) emacs ex [expand](https://www.sanfoundry.com/expand-command-usage-examples/) [unexpand](https://www.sanfoundry.com/unexpand-command-usage-examples/) fmt fold gawk groff gs | ispell [join](https://www.sanfoundry.com/join-command-usage-examples/) [paste](https://www.sanfoundry.com/5-paste-command-usage-examples-linux/) [rev](https://www.sanfoundry.com/rev-command-usage-example-linux/) sed [sort](https://www.sanfoundry.com/sort-command-usage-examples/) [tr](https://www.sanfoundry.com/tr-command-usage-examples/) [uniq](https://www.sanfoundry.com/uniq-command-usage-examples/) [nl](https://www.sanfoundry.com/nl-command-usage-examples-in-linux/) vim |

**28. Linux Programming Commands**

|  |  |
| --- | --- |
| cpp flex ldd | make ranlib |

**29. Linux Basic Commands on Clocks**

|  |  |
| --- | --- |
| [hwclock](https://www.sanfoundry.com/5-hwclock-command-usage-examples-linux/) | [rdate](https://www.sanfoundry.com/5-rdate-command-usage-examples-linux/) |

If you would want to learn Linux commands thoroughly, you should attempt to work on the complete set of Linux Tutorials mentioned above. It will immensely help anyone trying to learn Linux User Level Environment.