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## **Linux Commands**

The following table is a list of linux commands found on a Redhat 9.0 server.

To see a list of bash shell commands, go to the <u>shell commands</u> page. For those of you who are unsure how to use linux commands, see our <u>Linux Commands Tutorial</u>.

Click on the command name or the ? to see a description of the command. Click on the like to see the man page for that command.

| Command      | Description   |   |  |
|--------------|---|---|--|
|              |   |   |  |
| adduser      | Add a new user  |   |  |
| arch         | Print machine architecture                                  | ? |  |
| awk          | Find and Replace text within file(s)                        |   |  |
| bc           | An arbitrary precision calculator language                  |   |  |
| cal          | Display a calendar  | ? |  |
| cat          | Concatenate files and print on the standard output          | ? |  |
| <u>chdir</u> | Change working directory                                    | ? |  |
| <u>chgrp</u> | Change the group ownership of files                         | ? |  |
| chkconfig    | Tool for maintaining the /etc/rc[0-6].d directory hierarchy |   |  |
| chmod        | Change the access permissions of files and directories      |   |  |
| chown        | Change the user and group ownership of files                | ? |  |
| chroot       | Change root directory                                       |   |  |

| cksum     | Print CRC checksum and byte counts                         |    |
|-----------|--|----|
| clear     | Clear terminal screen                                      |    |
| стр       | Compare two files  |    |
| comm      | Compare two sorted files line by line                      |    |
| ср        | Copy one or more files to another location                 |    |
| cron      | Daemon to execute scheduled commands                       |    |
| crontab   | Schedule a command to run at a later time                  |    |
| csplit    | Split a file into context-determined pieces                |    |
| cut       | Divide a file into several parts                           |    |
| date      | Display or change the date & time                          |    |
| dc        | Desk Calculator  |    |
| dd        | Data Dump - Convert and copy a file                        |    |
| df        | Display free disk space                                    |    |
| diff      | Display the differences between two files                  |    |
| diff3     | Show differences among three files                         |    |
| dir       | Briefly list directory contents                            |    |
| dircolors | Colour setup for `ls'                                      |    |
| dirname   | Convert a full pathname to just a path                     |    |
| du        | Estimate file space usage                                  |    |
| echo      | Display message on screen                                  |    |
| ed        | A line-oriented text editor (edlin)                        |    |
| egrep     | Search file(s) for lines that match an extended expression |    |
| eject     | Eject CD-ROM   |    |
| env       | Display, set, or remove environment variables              |    |
| expand    | Convert tabs to spaces                                     |    |
| expr      | Evaluate expressions                                       |    |
| factor    | Print prime factors  |    |
| false     | Do nothing, unsuccessfully                                 |    |
| fdformat  | Low-level format a floppy disk                             |    |
| fdisk     | Partition table manipulator for Linux                      | Q. |
| fgrep     | Search file(s) for lines that match a fixed string         | Q. |
| find      | Search for files that meet a desired criteria              |    |

| 5.17 PW       | Linux Commands                                      |   |  |
|---------------|---|---|--|
| fmt           | Reformat paragraph text                             |   |  |
| fold          | Wrap text to fit a specified width                  |   |  |
| format        | Format disks or tapes                               |   |  |
| free          | Display memory usage                                |   |  |
| fsck          | Filesystem consistency check and repair             |   |  |
| gawk          | Find and Replace text within file(s)                |   |  |
| grep          | Search file(s) for lines that match a given pattern |   |  |
| groups        | Print group names a user is in                      |   |  |
| gzip          | Compress or decompress named file(s)                |   |  |
| head          | Output the first part of file(s)                    |   |  |
| hostname      | Print or set system name                            |   |  |
| id            | Print user and group id's                           |   |  |
| info          | Help info   |   |  |
| install       | Copy files and set attributes                       |   |  |
| join          | Join lines on a common field                        |   |  |
| kill          | Stop a process from running                         |   |  |
| less          | Display output one screen at a time                 |   |  |
| ln            | Make links between files                            |   |  |
| <u>locate</u> | Find files  | ? |  |
| logname       | Print current login name                            |   |  |
| lpc           | Line printer control program                        |   |  |
| lpr           | Off line print                                      |   |  |
| lprm          | Remove jobs from the print queue                    |   |  |
| <u>ls</u>     | List information about file(s)                      | ? |  |
| man           | Help manual   |   |  |
| mkdir         | Create new folder(s)                                |   |  |
| mkfifo        | Make FIFOs (named pipes)                            |   |  |
| mknod         | Make block or character special files               |   |  |
| more          | Display output one screen at a time                 |   |  |
| mount         | Mount a file system                                 |   |  |
| mv            | Move or rename files or directories                 |   |  |
| nice          | Set the priority of a command or job                |   |  |

| nl         | Number lines and write files              |   |  |
|------------|---|---|--|
| nohup      | Run a command immune to hangups           |   |  |
| passwd     | Modify a user password                    |   |  |
| paste      | Merge lines of files                      |   |  |
| pathchk    | Check file name portability               |   |  |
| pr         | Convert text files for printing           |   |  |
| printcap   | Printer capability database               |   |  |
| printenv   | Print environment variables               |   |  |
| printf     | Format and print data                     |   |  |
| ps         | Process status                            |   |  |
| <u>pwd</u> | Print Working Directory                   | ? |  |
| quota      | Display disk usage and limits             |   |  |
| quotacheck | Scan a file system for disk usage         |   |  |
| quotactl   | Set disk quotas                           |   |  |
| ram        | ram disk device                           |   |  |
| rcp        | Copy files between two machines           |   |  |
| rm         | Remove files                              |   |  |
| rmdir      | Remove folder(s)                          |   |  |
| rpm        | Remote Package Manager                    |   |  |
| rsync      | Remote file copy (Synchronize file trees) |   |  |
| screen     | Terminal window manager                   |   |  |
| sdiff      | Merge two files interactively             |   |  |
| sed        | Stream Editor                             |   |  |
| select     | Accept keyboard input                     |   |  |
| seq        | Print numeric sequences                   |   |  |
| shutdown   | Shutdown or restart linux                 |   |  |
| sleep      | Delay for a specified time                |   |  |
| sort       | Sort text files                           |   |  |
| split      | Split a file into fixed-size pieces       |   |  |
| su         | Substitute user identity                  |   |  |
| sum        | Print a checksum for a file               |   |  |
| symlink    | Make a new name for a file                |   |  |

| ac Concatenate and write files in reverse ail Output the last part of files ar Tape Archiver ce Redirect output to multiple files eest Evaluate a conditional expression ime Measure Program Resource Use couch Change file timestamps op List processes running on the system craceroute Trace Route to Host r Translate, squeeze, and/or delete characters rue Do nothing, successfully sort Topological sort ty Print filename of terminal on stdin umount Ummount a device aname Print system information unexpand Convert spaces to tabs aniq Uniquify files units Convert units from one scale to another anshar Unpack shell archive scripts seradd Create new user account sers List users currently logged in unecode Encode a file created by uuencode drir Verbosely list directory contents ("Is -I -b") watch Execute/display a program periodically we Print all usernames currently logged in whoo Print all usernames currently logged in  |            |  |     |
|--|------------|--|-----|
| aril Output the last part of files ar Tape Archiver eee Redirect output to multiple files eest Evaluate a conditional expression ime Measure Program Resource Use touch Change file timestamps op List processes running on the system raceroute Trace Route to Host r Translate, squeeze, and/or delete characters rue Do nothing, successfully sort Topological sort ty Print filename of terminal on stdin amount Unmount a device uname Print system information enexpand Convert spaces to tabs uniq Uniquify files units Convert units from one scale to another anshar Unpack shell archive scripts aseradd Create new user account asers List users currently logged in amencode Encode a file created by unencode voir Verbosely list directory contents ('Is-I-b') watch Execute/display a program periodically we Print byte, word, and line counts where is Report all known instances of a command which Locate a program file in the user's path who Print all usernames currently logged in   | sync       | Synchronize data on disk with memory           |     |
| Tape Archiver  ce Redirect output to multiple files  est Evaluate a conditional expression  ime Measure Program Resource Use  couch Change file timestamps  op List processes running on the system  raceroute Trace Route to Host  r Translate, squeeze, and/or delete characters  rue Do nothing, successfully  sort Topological sort  ry Print filename of terminal on stdin  amount Unmount a device  uname Print system information  convert spaces to tabs  uniq Uniquify files  units Convert units from one scale to another  unshar Unpack shell archive scripts  ascradd Create new user account  users List users currently logged in  unencode Encode a binary file  undecode Decode a file created by uuencode  voir Verbosely list directory contents ('Is -I -b')  watch Execute/display a program periodically  we Print byte, word, and line counts  where is Report all known instances of a command  which Locate a program file in the user's path  who Print all usernames currently logged in  | tac        | Concatenate and write files in reverse         |     |
| Redirect output to multiple files est Evaluate a conditional expression  Imme Measure Program Resource Use  Couch Change file timestamps  Op List processes running on the system  Traceroute Trace Route to Host  Translate, squeeze, and/or delete characters  Tue Do nothing, successfully  Sort Topological sort  Ty Print filename of terminal on stdin  Immount Ummount a device  Immaname Print system information  Convert spaces to tabs  Immits Convert units from one scale to another  Inshar Unpack shell archive scripts  Inseradd Create new user account  Insers List users currently logged in  Immound Execute/display a program periodically  We Print byte, word, and line counts  Whereis Report all known instances of a command  Which Locate a program file in the user's path  Who Print all usernames currently logged in  | tail       | Output the last part of files                  |     |
| Evaluate a conditional expression  Imme  Measure Program Resource Use  Ouch  Change file timestamps  Op  List processes running on the system  Traceroute  Trace Route to Host  Translate, squeeze, and/or delete characters  Op nothing, successfully  sort  Topological sort  ty  Print filename of terminal on stdin  Immount  Unmount a device  Image: Iname  Print system information  Image:  | tar        | Tape Archiver                                  | Q.  |
| ime Measure Program Resource Use  ouch Change file timestamps  op List processes running on the system  raceroute Trace Route to Host  r Translate, squeeze, and/or delete characters  rue Do nothing, successfully  sort Topological sort  tty Print filename of terminal on stdin  umount Unmount a device  uname Print system information  convert spaces to tabs  uniq Uniquify files  units Convert units from one scale to another  unshar Unpack shell archive scripts  useradd Create new user account  users List users currently logged in  unencode Encode a binary file  undecode Decode a file created by unencode  vidir Verbosely list directory contents ('ls -l -b')  watch Execute/display a program periodically  we Print byte, word, and line counts  whoe Print all usernames currently logged in  unencode Report all known instances of a command  which Locate a program file in the user's path  whoe Print all usernames currently logged in  | tee        | Redirect output to multiple files              |     |
| Change file timestamps  Depo   | test       | Evaluate a conditional expression              |     |
| List processes running on the system  Trace Route to Host  Translate, squeeze, and/or delete characters  Do nothing, successfully  sort  Topological sort  ty  Print filename of terminal on stdin  Unmount a device  aname  Print system information  Inexpand  Convert spaces to tabs  Uniquify files  Inits  Convert units from one scale to another  Unpack shell archive scripts  Inseradd  Create new user account  Insers  List users currently logged in  Insers  Report all known instances of a command  Which  Locate a program file in the user's path  Who  Print all usernames currently logged in   | time       | Measure Program Resource Use                   |     |
| Traceroute Trace Route to Host Translate, squeeze, and/or delete characters True Do nothing, successfully sort Topological sort ty Print filename of terminal on stdin umount Unmount a device uname Print system information unexpand Convert spaces to tabs uniq Uniquify files units Convert units from one scale to another unshar Unpack shell archive scripts useradd Create new user account usermod Modify user account users List users currently logged in unencode Encode a binary file undecode Decode a file created by unencode vdir Verbosely list directory contents ('Is-I-b') watch Execute/display a program periodically we Print byte, word, and line counts which Locate a program file in the user's path who Print all usernames currently logged in   | touch      | Change file timestamps                         |     |
| Translate, squeeze, and/or delete characters  True Do nothing, successfully  sort Topological sort  ty Print filename of terminal on stdin  amount Unmount a device  aname Print system information  anexpand Convert spaces to tabs  aniq Uniquify files  anits Convert units from one scale to another  anshar Unpack shell archive scripts  aseradd Create new user account  asers List users currently logged in  anexpende Encode a binary file  andecode Decode a file created by unencode  and Verbosely list directory contents ('ls -l -b')  watch Execute/display a program periodically  we Print byte, word, and line counts  which Locate a program file in the user's path  who Print all usernames currently logged in  Print all usernames currently logged in  And the counts  And the characters  And the characters | top        | List processes running on the system           |     |
| rue Do nothing, successfully  sort Topological sort  tty Print filename of terminal on stdin  mount Unmount a device  mame Print system information  mexpand Convert spaces to tabs  miq Uniquify files  mits Convert units from one scale to another  mshar Unpack shell archive scripts  mseradd Create new user account  msers List users currently logged in  mencode Encode a binary file  mudecode Decode a file created by unencode  wire Verbosely list directory contents ('ls -l -b')  watch Execute/display a program periodically  we Print byte, word, and line counts  where is Report all known instances of a command  who Print all usernames currently logged in   | traceroute | Trace Route to Host                            |     |
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| ty Print filename of terminal on stdin  Imount Unmount a device  Iname Print system information  Inexpand Convert spaces to tabs  Iniq Uniquify files  Inits Convert units from one scale to another  Inshar Unpack shell archive scripts  Isseradd Create new user account  Issermod Modify user account  Issers List users currently logged in  Inuencode Encode a binary file  Indecode Decode a file created by unencode  Indicode Verbosely list directory contents ("ls -l -b")  Invertigation of the state o | true       | Do nothing, successfully                       |     |
| uname Print system information  Description of the system of the system information  Description of the system of the system information  Description of the system information  Description of the system of the sy | tsort      | Topological sort                               |     |
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| uniq Uniquify files  Uniquify files  Units Convert units from one scale to another  Unpack shell archive scripts  Unpack shell | umount     | Unmount a device                               |     |
| uniq Uniquify files  Convert units from one scale to another  Unpack shell archive scripts  Unpa | uname      | Print system information                       | Œ.  |
| units Convert units from one scale to another  Unpack shell archive scripts  Unpack shell archiv | unexpand   | Convert spaces to tabs                         | (L) |
| Unpack shell archive scripts  Unpack shell archive scripts  Useradd Create new user account  Usermod Modify user account  Users List users currently logged in  Unuencode Encode a binary file Undecode Decode a file created by unencode  Verbosely list directory contents ('ls -l -b')  Watch Execute/display a program periodically  Where is Report all known instances of a command  Which Locate a program file in the user's path  Who Print all usernames currently logged in   | uniq       | Uniquify files                                 |     |
| List users currently logged in  Luencode Encode a binary file  Ludecode Decode a file created by uuencode  vdir Verbosely list directory contents ('ls -l -b')  watch Execute/display a program periodically  wc Print byte, word, and line counts  whereis Report all known instances of a command  which Locate a program file in the user's path  who Print all usernames currently logged in   | units      | Convert units from one scale to another        | (L) |
| List users currently logged in  Luencode Encode a binary file  Ludecode Decode a file created by uuencode  Verbosely list directory contents ('ls -l -b')  Watch Execute/display a program periodically  WC Print byte, word, and line counts  Whereis Report all known instances of a command  Which Locate a program file in the user's path  Who Print all usernames currently logged in  | unshar     | Unpack shell archive scripts                   |     |
| List users currently logged in  Encode a binary file  Decode a file created by uuencode  Verbosely list directory contents ('ls -l -b')  watch  Execute/display a program periodically  wc  Print byte, word, and line counts  whereis  Report all known instances of a command  which  Locate a program file in the user's path  who  Print all usernames currently logged in   | useradd    | Create new user account                        |     |
| Liuencode Encode a binary file Decode a file created by uuencode vdir Verbosely list directory contents (`ls -l -b')  watch Execute/display a program periodically  we Print byte, word, and line counts whereis Report all known instances of a command  which Locate a program file in the user's path who Print all usernames currently logged in   | usermod    | Modify user account                            |     |
| Decode a file created by uuencode  vdir  Verbosely list directory contents ('ls -l -b')  watch  Execute/display a program periodically  wc  Print byte, word, and line counts  whereis  Report all known instances of a command  which  Locate a program file in the user's path  who  Print all usernames currently logged in   | users      | List users currently logged in                 |     |
| vdir Verbosely list directory contents ('ls -l -b')   watch Execute/display a program periodically   wc Print byte, word, and line counts   whereis Report all known instances of a command   which Locate a program file in the user's path   who Print all usernames currently logged in   | uuencode   | Encode a binary file                           |     |
| watch Execute/display a program periodically wc Print byte, word, and line counts whereis Report all known instances of a command which Locate a program file in the user's path who Print all usernames currently logged in   | uudecode   | Decode a file created by uuencode              |     |
| wc Print byte, word, and line counts  whereis Report all known instances of a command  which Locate a program file in the user's path  who Print all usernames currently logged in   | vdir       | Verbosely list directory contents ('ls -l -b') |     |
| wc Print byte, word, and line counts  whereis Report all known instances of a command  which Locate a program file in the user's path  who Print all usernames currently logged in   | watch      | Execute/display a program periodically         |     |
| which Locate a program file in the user's path who Print all usernames currently logged in   | wc         | Print byte, word, and line counts              |     |
| which Locate a program file in the user's path who Print all usernames currently logged in   | whereis    | Report all known instances of a command        |     |
|  | which      | Locate a program file in the user's path       |     |
| whoami Print the current user id and name ('id -un')   | who        | Print all usernames currently logged in        |     |
|  | whoami     | Print the current user id and name (`id -un')  |     |

| xargs | Execute utility, passing constructed argument list(s) |  |
|-------|---|--|
| yes   | Print a string until interrupted                      |  |

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