Documentation:

man - Format and display the on-line manual pages help - Display help info about Bash builtin commands info - Read/display Info documents manpath - Determine user's search path for man pages apropos - Search the whatis database for strings whatis - Search the whatis database for complete words

Information:

which - Shows the full path of (shell) commands whereis - Locate the binary, source, and manual page files for a command locate, slocate - Find file paths containing string using slocate database find - Search for files in a directory hierarchy type - Show if command is alias, etc. file - Determine type of file printenv - Print one (or all) environment variable values hostname - Show or set the system's host name uname - Print system (kernel, etc.) information uptime - Tell how long the system has been running free - Display amount of free and used memory in the system vmstat - Report virtual memory statistics dmesg - Print or control the kernel ring buffer (e.g., boot messages) alias - Show (or set) alias value for command unalias - Remove/unset alias id - Print UID and GID info for username

Files.

cat - Concatenate files and print on the standard output tac - Concatenate and print files in reverse more, less - Output file page by page tail - Output the last part of files head - Output the first part of files rm - Remove files or directories mv - Move (rename) files cp - Copy files and directories dd - Convert and copy a file touch - Change file timestamps (or create empty file) ln - Make links between files grep, egrep, fgrep - Print lines matching a pattern wc - Print the number of newlines, words, and bytes in files chmod - Change file access permissions chown - Change file owner (and group) chgrp - Change group ownership stat - Display file or filesystem status od - Dump files in octal and other formats

Directories:

ls - List directory contents
pwd - Print name of current working directory
cd - Change directory
mkdir - Make directories
rmdir - Remove empty directories
du - Estimate file space usage

Environment Variables:

printenv - Print one (or all) environment variable values export - Make environment variable be inherited by children env - Run a program in a modified environment

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alias - Show (or set) alias value for command

unalias - Remove/unset alias

id - Print UID and GID info for username

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cp - Copy files and directories

dd - Convert and copy a file

touch - Change file timestamps (or create empty file)

ln - Make links between files

grep, egrep, fgrep - Print lines matching a pattern

wc - Print the number of newlines, words, and bytes in files

chmod - Change file access permissions chown - Change file owner (and group)

chgrp - Change group ownership

stat - Display file or filesystem status

od - Dump files in octal and other formats

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Processes:

ps - Snapshot of the current processes
pstree - Display a tree of processes
top - Display current processes (realtime)
kill - Terminate a process (send a signal)
fuser, lsof - Identify processes using files or sockets
id - Print UID and GID info for current process
nice - Run a program with modified scheduling priority
renice - Alter priority of running process(es)
umask - Set process' file creation permissions mask [builtin]
ulimit - Control process resources limits [builtin]

Filters:

_____ basename - Strip directory and suffix cat - Concatenate and write files csplit - Split by context cut - Print selected parts of lines dirname - Strip non-directory suffix envsubst - Convert shell vars to environment values expand - Convert tabs to spaces fmt - Reformat paragraph text fold - Wrap long input lines grep, egrep, fgrep - Print lines matching a pattern head - Output the first part of files join - Join lines on a common field nl - Number lines and write files paste - Merge lines of files pr - Paginate or columnate files sed - Stream editor sort - Sort text files split - Split into fixed-size pieces tac - Reverse files tail - Output the last part of files tee - Redirect to multiple files tr - Translate characters tsort - Topological sort unexpand - Convert spaces to tabs uniq - Uniquify files xargs - Convert standard input to command argument(s)

File Comparison:

diff - Compare 2 files line by line cmp - Compare 2 files byte by byte comm - Compare sorted files by line diff3 - Compare 3 files line by line sdiff - Merge 2 files side-by-side patch - apply a diff file to an original

Filesystems/devices:

df - Report filesystem disk space usage
mount - Mount a filesystem
umount - Unmount filesystem
fdisk, cfdisk, sfdik- Manipulate disk partition table
mkfs - Build a Linux file system
fsck- Check and repair a Linux file system
debugfs - Ext2/ext3 file system debugger
mkswap - Set up a Linux swap area
swapon, swapoff - Enable/disable devices and files for swapping
mknod - Make block or character special files
dd - Convert and copy a file

Archiving and Compression: tar - Package/unpackage files (archive) gzip, gunzip - Compress or expand files zip, unzip - Package and compress (archive) files bzip2, bunzip2 - Compress or expand files bzcat - decompresses files to stdout compress, uncompress - Compress or expand files (old) cpio - Copy files to and from archives Login, Shell/Command, Logout: _____ su - Run as a substitute user (e.g., root) sudo - Execute a command as another user (e.g., root) exit - Exit a shell logout - Logout/exit a login shell (e.g., SSH shell) chroot - Run command or interactive shell with special root directory Remote Login and File Transfer: ______ ssh - Secure remote login/shell sftp - Secure file transfer program scp - Secure remote file copy rsh - Remote login/shell (insecure!) rlogin - Remote login (insecure!) ftp - File transfer program (insecure!) rcp - Remote file copy (insecure!) _____ passwd - Update a user's password chsh - Change your login shell useradd - Create a new user or update default new user information userdel - Delete a user account and related files usermod - Modify a user account groupadd - Create a new group groupdel - Delete a group groupmod - Modify a group Printing and Formatting: -----lpr - Print files lpg - Show printer queue status lprm - Cancel print jobs lpstat - Print cups status information enscript - Convert text files to PostScript for printing, etc. a2ps - Format files for printing on a PostScript printer mpage - print multiple pages per sheet on PostScript printer Booting, Startup, Shutdown: lilo - Install LILO boot loader grub - Run the GRUB (boot loader) shell init, telinit - Change system runlevel halt, reboot, poweroff - Stop the system shutdown - Bring the system down Kernel Modules: 1smod - Show the status of Linux kernel modules modprobe - Add and remove modules from the Linux kernel insmod - Insert a module into the Linux kernel rmmod - Remove a module from the Linux kernel modinfo - Show information about a Linux kernel module

mkinitrd - Creates initial ramdisk images for preloading modules

Network:

ping, ping6 - Send ICMP ECHO_REQUEST to network hosts traceroute - Print the route packets take to network host ifconfig - Configure a network interface ifup, ifdown - Start/stop a network interface route - Show/manipulate the IP routing table netstat - Print network connections, routing tables, etc. host, dig, nslookup - DNS lookup utilities whois - Client for the whois directory service (DNS) iptables - Administration tool for IPv4 packet filtering and NAT arp - Manipulate the system ARP cache arping - Send ARP REQUEST to a neighbour host

Terminal:

stty - Change and print terminal line settings reset, tset - Terminal initialization clear - Clear the terminal screen

Job Control:

jobs - List jobs (running in background)

fg - Move job to foreground bg - Move job to background

Hardware:

hdparm - Get/set hard disk parameters
lshw - List hardware
lspci - List all PCI devices
lsscsi - List all SCSI devices
lsusb - List USB devices
usbview - Display information on USB devices
usbmodules - List kernel driver modules available for a USB device

Misc:

md5sum - Compute and check MD5 message digest shalsum - Compute and check SHA1 message digest

service - Start/stop/restart/status a system service/daemon chkconfig - Update/query runlevel information for system services

watch - Execute a program periodically, showing output fullscreen screen - Terminal manager/multiplexer (multiple shells on a console)

sysctl - Configure kernel parameters at runtime ldconfig - Update link bindings info for shared libraries ldd - Print shared library dependencies for an executable mkrescue - Make rescue floppy

date - Print or set the system date and time hwclock - Query and set the hardware clock (RTC) ntpdate - Set the system date and time via NTP

true - Do nothing, successfully false - Do nothing, unsuccessfully

mail, nail - Send and receive mail (command line)