Bash Cheat Sheet (/)

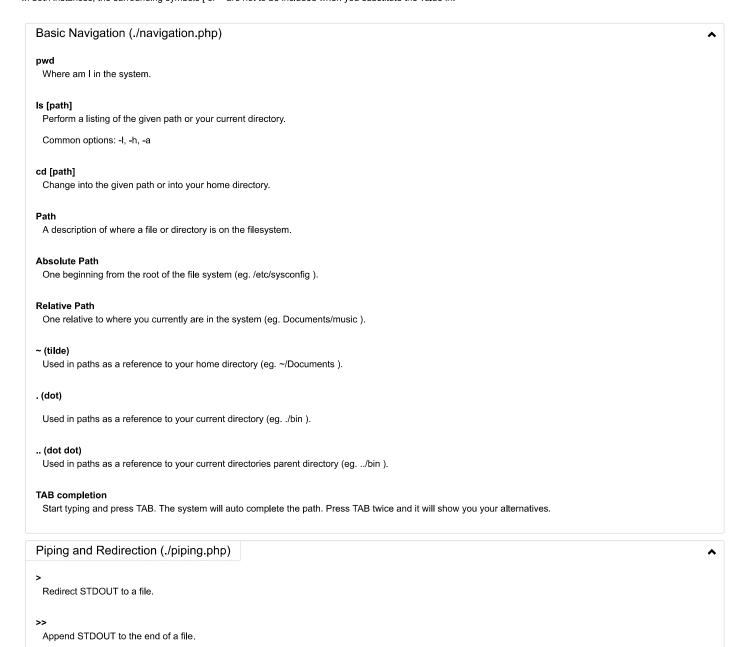
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This cheat sheet is intended to be a quick reminder for the main concepts involved in using the command line and assumes you already understand their usage. If you are new to the Linux command line we strongly suggest you work through the Linux tutorial (/linuxtutorial/) from the beginning.

Click the title of a section to be taken to the relevant tutorial page to learn more about those concepts.

[something] indicates an optional value. <something> indicates a compulsory value.

In both instances, the surrounding symbols [or < are not to be included when you substitute the value in.



Pass the contents of a file to a program as STDIN.

Feed the STDOUT of the program on the left as STDIN to the program on the right.

Redirect the STDERR to a file.

More About Files (./aboutfiles.php) Find out what type of item a file or directory is. Spaces in names Put whole path in quotes (") or a backslash (\) in front of spaces. Hidden files and directories A name beginning with a . (dot) is considered hidden. Vi / Vim (./vi.php) View our Vim Cheat sheet (cheatsheetvi.php) Permissions (./permissions.php) r (read) w (write) x (execute) Owner or User, Group and Others Is -I [path] View the permissions of a file or all items in a directory. chmod <permissions> <path> Change permissions. Permissions can be either shorthand (eg. 754) or longhand (eg. g+x). Filters (./filters.php) head Show the first n lines. tail Show the last n lines. Sort lines in a given way. wc How many words, characters and lines. Search for a given pattern. See more on our Grep Cheat sheet (cheatsheetgrep.php) More filters can be found here (./filters.php). **Useful Commands** Find the size of every directory in your current directory. Display how much disk space is used and also free. basename -s .jpg -a *.jpg | xargs -n1 -i cp {}.jpg {}_original.jpg Make a copy of every jpg image file in the current directory and rename adding _original. find /home -mtime -1 Find all files in the given directory (and subdirectories) which have been modified in the last 24 hours. Shutdown the system. (Replace -h with -r for reboot.)

