

## Linux Command Line Cheatsheet

The good thing is that most distros nowadays come with beautiful interface and applications, and you don't really need to understand any command line to use Linux. On the other hand, having some knowledge of the command line can definitely make you more efficient and productivity.

Command	Description
<b>File Commands</b>	
<b>ls</b>	List the content of the current directory
<b>ls -R</b>	List the subdirectories recursively
<b>ls -a</b>	List all the content, including hidden files
<b>ls -l</b>	List the content and its information
<b>pwd</b>	Output the current directory that you are in
<b>cd folder1</b>	Change the working directory to <i>folder1</i>
<b>cd</b>	Return to the \$Home directory
<b>cd ..</b>	Go up a directory
<b>cd -</b>	Return to the previous directory
<b>cp source destination</b>	Copy <i>source</i> to <i>destination</i>
<b>cp -r source destination</b>	Copy a folder recursively from <i>source</i> to <i>destination</i>
<b>mv source destination</b>	Move (or rename) a file from <i>source</i> to <i>destination</i>
<b>rm file1</b>	Remove <i>file1</i>
<b>rm -f file1</b>	Remove <i>file1</i> without prompt
<b>rm -r folder</b>	Remove a folder and its content recursively
<b>mkdir foldername</b>	Create a new folder <i>foldername</i>
<b>rmdir foldername</b>	Remove an empty folder
<b>file file1</b>	Show the file type of <i>file1</i>
<b>cat file1 file2</b>	Concatenate <i>file1</i> to <i>file 2</i>
<b>cat &gt; file1</b>	Concatenate standard input to <i>file1</i>
<b>less file1</b>	View and paginate <i>file1</i>
<b>head file1</b>	Show first 10 lines of <i>file1</i>
<b>tail file1</b>	Show last 10 lines of <i>file1</i>
<b>chmod 777 file</b>	Change file permission of <i>file</i> to <i>777</i>
<b>chown user:group file</b>	Change ownership of <i>file</i> to <i>user</i> and group <i>group</i>
<b>ln -s source destination</b>	Create a symbolic link from <i>source</i> to <i>destination</i>
<b>File Encryption and Compression</b>	
<b>gpg -c file</b>	Encrypt <i>file</i>
<b>gpg file.gpg</b>	Decrypt <i>file.gpg</i>
<b>tar -cf archive.tar foo bar</b>	Create <i>archive.tar</i> from files <i>foo</i> and <i>bar</i>
<b>tar -xf archive.tar</b>	Extract all files from <i>archive.tar</i> .
<b>gzip file1</b>	Compress <i>file1</i> and rename it to <i>file1.gz</i>
<b>gzip -d file1.gz</b>	Decompress <i>file1.gz</i>
<b>System Commands</b>	

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<b>uname -a</b>	Show system and kernel
<b>head -n1 /etc/issue</b>	Show distribution
<b>mount</b>	Show mounted filesystems
<b>date</b>	Show system date
<b>uptime</b>	Show system uptime
<b>whoami</b>	Show your username
<b>w</b>	Display who is online
<b>man command</b>	Show manual for <i>command</i>
<b>!!</b>	Repeat the last command
<b>exit</b>	Log out of current session
<b>File Searching Commands</b>	
<b>grep pattern files</b>	Search for <i>pattern</i> in <i>files</i>
<b>grep -i</b>	Case insensitive search
<b>grep -r</b>	Recursive search
<b>grep -v</b>	Inverted search
<b>grep -o</b>	Show matched part of file only
<b>locate file1</b>	Find <i>file1</i>
<b>whereis command</b>	Find binary/source/manual for <i>command</i>
<b>which app</b>	Locate a command for the <i>app</i>
<b>look string file1</b>	Display any lines in <i>file1</i> which contain <i>string</i> as a prefix.
<b>Process Management</b>	
<b>ps</b>	Show snapshot of processes
<b>top</b>	Show real time processes
<b>kill pid</b>	Kill process with id <i>pid</i>
<b>pkill name</b>	Kill process with name <i>name</i>
<b>killall name</b>	Kill all processes with names beginning <i>name</i>
<b>Disk Space</b>	
<b>df -h</b>	Show free space on mounted filesystems
<b>du -h folder</b>	Show file usage of each folder in <i>folder</i>
<b>du -sh folder</b>	Show the total file size of <i>folder</i>
<b>fdisk -l</b>	Show disks partitions sizes and types (run as root)
<b>free</b>	Show memory and swap usage