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Click to view when you need to do something quickly, efficiently and without any overhead software, command line where it is located. This was the first way people told computers what to do, but as graphics became increasingly important, the command line, or terminal, became a secret weapon for insiders. But with the right commands and a bit of know-how, everyone can get things done from the text interface. Let's look at the 10 commands and techniques that make the terminal more accessible, and more powerful, on any system. Photo by blakepost. Note: Mac OS X and Linux users have robust command-line interfaces baked right into their systems. To get to them, head to the App-Gt Utilities-gt'gtTerminal in Finder. It varies in Linux, depending on your distribution and interface, but the terminal can usually be found in the Accessories or Utilities menu panel. Windows users are best served by installing and customizing Cygwin, the Unix emulator that we've detailed in a series of three x. If this is what you thought when you saw the title of this article, then it is... Read more than 10. Set up a hint!f you are going to spend any time in the terminal, or want to start doing it, this should be a hospitable place. To go beyond green or white on black, check out this Ask Lifehacker response, in which Gina goes through a few simple ways to change colors, and a greeting message, to your query for Windows, Mac or Linux systems. 9. The power of action with the ship!! (Explosion) You already know that a command console with sudo forces your system to perform it with superuser privileges. But when you forget sudo, !! or bang bang comes to the rescue. When you perfectly created a long team that does exactly what you need, hit Enter, and d'oh-you don't have enough access privileges, you can sudo!! repeat the last team with the privileges of a superuser. It's the final triumph of the nerd: Oh, you don't like that team? Well, then sudo!! 8. Create whole catalog trees with mkdir When it comes to organizing music, photos, documents or other media, nested folders become a necessary annoyance, both in the right click, choosing a New Folder and then naming and clicking through each of the Beatles-'gt;White Album-'gt;Disc 1. It's much easier from the terminal, as the Codejacked blog points out: mkdir The Beatles' White Album-Disc 1 Some terminal users have to add up to the gaps, but you get the idea. If you're a Vista user who's just not down with Cygwin, you can still pull this out with a md tool in the command line. 7. Filter huge lists with grep Some terminal commands spit back too much information and that's where the grep comes in. Kick in ps aux grep bird and you get back a certain number to kill. Want to know which files don't have your company name in them? grep-v-grep-v Programmer Eric Wendelin explains the grep in more detail. 6. RTFM with a person (and more) Say a program, or website, just asked you to run a team to unlock or turn on something, but you would like to know just a little more before you jump in. Too much material to handle? Try whatis for a brief description, --help after command for basic use, or any of these other command line learning tools. 5. Process management from the top Most systems have a tool for viewing tasks or running programs, but they usually hide the true courage that your system does from you. The Hackszine blog notes that Mac and Linux users can use the capabilities of the built-in high command to track and destroy runaway processes, making your system unstable. There's also a PS-aux for a single screen without updating a look at what's listening to the computer. 4. Master wget for powerful capture filesThe wget team has been around ever since before there was all that much to actually yank out of the net, but this extensible, multi-purpose tool has a lot of great uses these days. You can reflect entire websites locally, resume huge downloads on flakiest connections, download the same file every hour to follow the project, and do much, much more with wget. It's one of those elegantly simple tools that is only as powerful as your creativity. 3. Get way behind the system search with find again, programmer Eric Wendelin offers real examples of how powerful a command line tool how to find can be in, well, find files and directories that meet the smallest criteria you can imagine. Want a list of each HTML file that refers to the six-thum color #FF0000 (red)? Find can totally do it for you. As Wendelin points out, finding, in itself, is about as convenient and powerful as a complete search engine system like Google Desktop or quicksilver, but by pipes in and out of other tools, such as grep, it's a powerhouse. For a more reproachful look at some of the powers to find, check out this tutorial on Debian/Ubuntu Tips and Tricks. 2. Setting up powerful backups with rsyncYou can spend a lot of money and time tracking down the perfect backup app that works with all your systems exactly the way you want. Or you can spend a few minutes learning the basics of rsync, a flexible, powerful command that makes one folder (in your system) look like another (where you back time). Simply put, rsync is a cross-platform, totally free Time Machine if you use it correctly. To Gina has already shown us how to do it. 1. See the most commonly used commands with a history, make aliases for them As you are comfortable with the terminal and get good use from it, you may notice some of the most useful commands require shrewd memory and typos of free input if you don't make them shorter and easier. Easier. Turned off by copying and ripping this command (on one line): history'awk 'print \$2'awk 'BEGIN (FS) Print \$1'sort-uniq-c'sort-r It will return the ranking of the most frequently entered commands using the history of commands, and you can start creating aliases to cut them and make them easy to remember. Or you can search through newly used commands with like-you-type results for rapid-fire replays. While these 10 commands are common and applicable on all Systems with Anix-like Terminal, Mac OS X offers several Mac-specific tools. Here are some useful command line tricks for Mac users. Click to view this Mac you're browsing this web page using a pretty graphical interface? That is... More We love to have some CLI fun here and we know our savvy readers have tons of cool terminal hacks and tricks that are new to us. So please share your knowledge and spread wealth in the comments. Putting commands into a terminal may seem tedious, but with the right tools, the command line can be incredibly powerful. Here are our favorite command line tools that do amazing things that you just can't match in the GUI. Note: While many of the tutorials and videos on this Linux-centric page, these commands are useful for everyone. Mac users can use all of these commands in their terminal as well, and Windows users can check out Cygwin for a more UNIX-like terminal experience where these tools come in handy. Also note that not every tool comes preinstalled on each system, so you may need to install some of them separately before you can use them. Meet whom? If this is what you thought when you saw the title of this article, then it is... Read more than 10. When your computer starts to freeze, slow down or just misbehave, the top team can help you set things straight. By simply entering the top of the terminal, you can get a list of each program running in your system, as well as how many resources of your system they take. Then, if you find one that has gone a little out of your mind, you can kill it and restore your system to normal, fast self. All it takes is a few seconds and you don't need to wait for any windows or fancy graphics to load. Check out this quick introduction at the top for more, and if you want something a little friendlier, the htop team is a pretty big replacement. On Linux and Mac systems, the top command of the terminal gives you a great view from a bird's-eye view of what your... Read 9. Ifconfig If you have more than one computer in your home, chances are you need to dig into the network settings from time to time. Knowing your network can help monitor HTPC, monitor BitTorrent downloads, or file sharing between computers. When the time comes, ifconfig will be your best friend. It shows you your computer's IP address, mac address of your Ethernet and Wi-Fi cards, and a ton more. Check it out ifconfig to see how it is used. So you have yourself kickass, play all the home theater PC, but you're not so interested in ... Read more8. Chmod and ChownEvery once in a while, you will come across a denied error resolution when trying to access the file and it can be infuriating. Running chmod will edit the permissions of any file, allowing you to read, write and/or execute a given file according to your specifications. You can do it from the GUI, but the chmod is a little more powerful, especially if you're working with multiple files. To find out how it is used, check out this guide on chmod and his brother chown, which will help you get the full property on file.7. SSHWhat is the set up full-screen exchange system when all you have to do is check for one simple thing? SSH connects you to another computer and lets you use its terminal as if you were sitting right in front of it. You can check the progress of the processes, change the permissions and access the files on the remote machine directly from the machine in front of you. It can do a lot more too, from managing a monitor to a less home server to encrypting a web browser to a less-than-secure connection. Heck, it might even help you manage your jailbroken iOS device. Your home computer is the perfect machine. It's tuned to your exact needs, running all your... Read more6. WgetYou can go to the website and download the file in one click, but if you want serious control over downloading wget is the best for the job. With a few keystrokes you can automatically download all the music on the website, resume downloads that keep peeling, or even capture the entire archive of NASA Astronomy Picture of the Day. Check out our guide to mastering wget to see all that this little tool can do. NASA Astronomy Picture of the Day archive is packed with impressive, high-resolution images... Read more often5. Vi and VimDespite are a fancy written tools out there simple text is still one of the most useful ways to manage information. This can make for an extremely versatile to-do list, help you customize settings for your favorite app, or even allow you to build an entire website. And while there are a lot of great text editors out there, a lot of power users swear by Vi and Vim. Vi and Vim are command line text editors that are entirely based on the keyboard, allowing you to navigate through large blocks of text in just a few keystrokes. If you're serious about editing text, these editors are way off despite their learning curve. Fortunately, the Internet is full of tutorials on how to use them. Your to-do list is the center of your personal performance, that makes sense that we are attracted to Read More4. GrepNot Not all team line work is clean and simple. Sometimes, you'll run a command and get a giant wall of text in response that's impossible to wade through. Fortunately, grep will help you find what you are looking for. By itself he can search through any text in the file in your system for a specific phrase (such as grep laundry todo.txt), which is useful in itself. However, the real power of grep comes when used in conjunction with other commands. Can't find what you're looking for in the top exit? You can use grep to find the program you're looking for. Check out this tutorial to learn how to use grep, and combine it with other commands you just need to learn... 3. PipesPipes is not the name of a particular tool, but a class of tools that will help you send one team to another team. Take our example from #4 where we wanted to find something specific in the top exit. To do this, you'd run something like top -l 2 Firefox. The pipe symbol exits from the top of the grep, which then searches for Firefox and finds you relevant information. You can also sell the team's output in a text file with the symbol of zgt;, for example: ifconfig zgt; myip.txt. For more examples of how to use pipes, check out our team line primer for beginners. The command line isn't just for wise Linux beards. It's actually an amazing tool with almost... Read more2. FindUnlike grep, which searches for text in files, find this tool that will help you find files based on other criteria such as the name, filetype, or when they were last edited. It's much more powerful than a traditional Spotlight search or Windows search, and one of the best ways to quickly find files in your system. Also, if you want to find something in the file, you can pipe an outlet to find in the grep and figure it out. To find out how to do this, check out this excellent tutorial for the find.1 team. Apt-Get and other package managersIf you're tired of opening a web browser and visiting a website just to download programs, package managers find. Managers packages such as a sq-get Ubuntu, Pacman Arch Linux, or OS X's homegrown make the installation snap. They can search for a large database of applications, as well as download and install them with just a few keystrokes. All you need to know is the name of the app you're looking for. It will even set any prerequisites needed for this program, like Java, so you don't have to do it yourself. Which batch manager you use usually depends on your OS, so Google around to see which managers are available to your system and which apps are available in their repositories. If you're really tired of the GUI, check out our list of unconventional command line apps, and if you haven't already, be sure to read about how to become a ninja's command line with time-saving shortcuts. Today's operating systems have no shortage of multi-room applications. Problem: Read more often

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