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Hacking school chromebook

Chromebooks may be impressively versatile, but a good Chromebook Hack helps it get out of its browser-based confines and try new talents for size. The top of the list, of course, is the ability to install a complete Linux desktop operating system through the Crouton project. But there are a lot you can modify or add to multiply the powers of a Chromebook. Some of these features require you to install Linux- a very easy task if you follow our Crouton tutorial-but many do not. Here are five Chromebook Hacks that will improve the user experience and make these laptops even more powerful. Steam streaming IDG. Just as everyone knows that you can put Linux on a Chromebook, it is probably common knowledge that you can install Valve's Steam to play games. The problem is that only a few Chromebooks are coming with a GPU that can run games on your PC for a long time. Enter the streaming of your local Steam network. Using this feature, your full-time gaming PC runs the game you want to play, but interact with it on your Chromebook. Valve is approaching the limitations of your device by recording a game's video stream and sending it to your device with lower power. Then, the gameplay entries (controller or mouse and keyboard) are returned to your PC games over your home network. Sounds a little janky, but it's amazing how well this works. Don't be afraid to try most resource-intensive games either. If you're new to it, check out our previous tutorial on the finer points of Steam in-home streaming. This feature works almost the same on a Chromebook as on a standard Linux box. The only wrinkle is that the fantastic steam feature needs a few tricks to work properly. This is because Chromebooks close certain ports that Steam needs for streaming by default. These ports remain closed even when you've got Linux running on the box via Crouton. Many sites around the web, which can show you to open these ports through the magic command line, but these particular instructions are based on a developer post Brian Smith. The goal is to create an alias Bash with all the instructions. Then all you need to do is type a simple word or phrase, and the ports you need will open with a few taps. To do this, jump into Linux chroot on Your Chromebook, open a terminal and type in the following: `echo aka steamStream = sudo iptables -A INPUT -p udp -dport 27036 -j ACCEPT; sudo iptables -A INPUT -p udp -dport 37804 -j ACCEPT; sudo iptables -A INPUT -p tcp -dport 37804 -j ACCEPT; sudo iptables -A INPUT -p tcp -dport 27036 -j ACCEPT; sudo iptables -I INPUT -p udp -dport 27031 -j sudo iptables -I INPUT -p udp -dport 27036 -j ACCEPT; sudo iptables -I INPUT -p tcp -dport 27036 -j ACCEPT; sudo iptables -I INPUT -p tcp -dport 27037 -j ACCEPT;` >> `~/bash_aliases` Now every time you want to open ports, start the terminal in Linux, type `steamStream` at the command prompt, press Enter, then start Steam, and you should see a Stream option next to any games installed on the Windows gaming platform. If you forget to run the alias before Steam, you will need to relaunch the program to see the streaming option. Chrome Remote Desktop IDG. Am covered this before, but it's hard to beat Google Chrome Remote Desktop to get free access to your main PC when you'd be on a Chromebook. You can use this feature if you are on the other side of the house or on the other side of the country. The only thing to remember is that you will need to make sure that your Windows PC is not set to go idle. Otherwise, you will not be able to access your computer using this method. After you've installed the Chrome Remote Desktop Chrome app on both PCs, it's just a matter of opening the Remote Desktop on your Windows computer. Then press Enter under My Computers and follow the

instructions. As part of the initial setup process, you'll need to install the Chrome Remote Desktop Host Controller and set a PIN CODE. When you're done, open Chrome Remote Desktop on your Chromebook, click Introduction under My Computers, select the name of the Windows computer you just set up, enter your PIN, and set you up. IDG Voice Note II voice dictation on Chrome OS. For those who suffer from repetitive strain injuries or who would prefer not to type all the time, using a voice dictation app for creating documents can help. There are several options for using voice dictation with Chromebooks, but two that I've tried and liked have been the built-in dictation of Google for Google Docs and the free Chromebook VoiceNote II app. To use the feature in Google Docs, open a word processing document and go to Tools > Type voice on the menu. A small window with a microphone will open on the left side of the document area. Click this and start dictating the document. The only problem with Google's solution is that it was a bit on the slow side in my tests. When you need to dictate offline, VoiceNote II is a good choice. This Chrome app takes dictation very well. It's not the best at making edits, it would be properly interpreting what you mean by saying delete or backspace, but for the most part it works. The IDGLike Nightlight Apple and Microsoft have done, Google has added a night light feature to Chrome OS. This feature allows you to reduce the screen temperature at night by reducing the amount of blue light coming out of the screen. Blue light is associated with daylight, and toning it down should help your body release melatonin to help you fall asleep after a late night session on YouTube. Google has not yet made this an official feature, but activating it on a Chromebook is quite easy. All you need to do is pin in the flags section, where you can find many features Chrome and Chrome OS. Open Chrome and in the `chrome://flags/#ash-enable-night-light` address bar and press Enter. Tap the control panel area in the lower-right corner of the shelf. Now you should see a new Night Light icon between the help and lock symbols. Whenever you want to get into night mode - it is best to do so at or a few after sunset — tap that icon. To turn off the feature, tap it again. If you want to schedule the active night hours of Night Light or adjust the color mix for the feature, go to Settings > Device > Show > Night Light. By default, Night Light doesn't have an appointment, but you can tell your PC to start Night Light from sunset to sunrise or set a custom time. Share files between Chrome OS and LinuxI've already covered to use Cruton to install Linux on your Chromebook. It's an easy way to get a second operating system on your laptop for those moments when you really need a full desktop, it would be when you want to play Civilization VI on the couch using steam in-home streaming. One of the handy features that Cruton has is that by default you can share files between linux install and Chrome OS through the Downloads folder. This folder has the same content, regardless of the operating system you're in. If you have a file or folder in Linux that you need to pin to Chrome OS or vice versa, put it in the Downloads folder on each side and you're ready. Note: When you purchase something after clicking on the links in our articles, we may earn a small fee. Read our affiliate link policy for more details. A Chromebook can be a great purchase, even if you never leave Google's trusted environment. They are some of the best web machines ever built, require almost no software maintenance, and come in a multitude of different styles and price points. We love things and we know we're not alone. But like any electronics, sometimes it's fun doing things a little outside of the intended use. Sometimes that means hidden features in the software, sometimes it means modifying the software, and sometimes it means replacing the software entirely. We are familiar with people who do exactly this with Android, but it is also quite easy to do with your Chromebook. The best part is that it's also very easy to get back. Take a look at a few easy things you can do to get more from Your Chromebook. Create a recovery image Before you start doing something, it's essential to have a way to get back to factory software. Fortunately, this is quite easy when talking about a Chromebook. Google has an official tool that will install factory-issued software on your Chrome device on a USB stick or SD card of 4 GB or higher. Then you can use this media to restore your Chromebook as it was freshly removed from the box. Here's the quick process: Enter the media you'll use as a recovery disk on a Windows, OS X, or Linux computer you have administrator rights. Install the correct version of the recovery tool for your platform through the links on the Google website. Run the recovery tool and tell him which Chrome device you're building a restore image for. When you're done, use the media you created to restore your Chromebook from recovery mode. Complete instructions for different models are right here. Restart and enjoy the fresh factory software! I broke the whole thing. Entire. down with all the details and it's worth having a read if you haven't done it before. to recover a Chromebook via USB Change to beta or dev channel This is a great way to check out Chrome features that are still in development. By default, your Chromebook runs on the stable launch channel for your model. This means that everything has been tested, things run quite smoothly, and there are usually any critical bugs to trip you up. It's not fun at all. The good news is that we can all be testers by switching the software channel in the settings. Click the Chrome OS key icon at the bottom right and open the settings. Choose About Chrome OS, and then choose ** More information**. Click the Change Channel button and you can choose between stable, beta, and dev -unstable channels in the popover window that appears. Both the Beta channel and the Dev channel give you access to future (default and experimental settings – see below) features that are not yet in the stable channel. I've always found the beta channel to work pretty well, but expect problems and glitches on the dev channel along with the latest features. If you want everything to work, switching back to the stable channel is just as easy - choose it from the same list! Tweaking settings with Chrome Flags - both the operating system and stand-alone browser for Windows Mac and Linux - has a whole page filled with experimental settings. Some will absolutely break things, others could improve your experience. Finding them is simple. Start your browser and enter `chrome://flags` in Omnibox (a fancy name for the URL bar in Chrome), and then press enter. You'll be dealing with a huge list of features that you can turn on or off as you please. All of these are experimental, some are serious security holes, others are potentially oh-crap-I-need-to-reload-EVERYTHING bringers of doom. We don't recommend jumping in and starting to turn things on. Instead, talk to people who use the same Chromebook model and find out what works and what doesn't. It is also worth remembering that these experimental flags can disappear at any time. Some can be merged into the operating system, others will disappear. If you activate something, say, for example, GPU compositing, and it breaks everything (yes, I was there), you have the media recovery you did earlier to save your bacon. More: Everything you need to know about Chrome Flags Install Linux One of those complicated things that have been made simple by the work of great developers, installing Linux on Chromebook is a great way to expand its capabilities. Chrome OS is a Linux flavor, but it has been trimmed down and many features have been removed. We will look at simple (and, in my opinion, the best) way to build an environment so you have both Chrome OS and Ubuntu LTS using the excellent David Schneider tool called cruton (Crom OS Universal Chroot Environment). You'll need to turn on mode on your Chromebook. Older models had a physical switch that you flipped, but most Chromebooks now have the option in the recovery menu. To access the recovery menu and turn on developer mode on your Chromebook: Back up your files. Switching to developer mode will delete all files and settings. Press the Escape and Refresh keys and hold them down and tap the power button. When you restart in Recovery, the screen will tell you Chrome is missing or damaged. Don't worry, you have entered Recovery manually and nothing is missing or damaged. Press Control + D and read the screen. It will be said To turn off operating system verification, press ENTER. Press enter to enable Developer mode. Your Chromebook will restart and delete the system. This can take up to 10 minutes. You should know that when you have developer mode enabled, Google won't support, and your Chromebook won't check the software during we start. This makes things less safe than they were out of the box. While developer mode is enabled the loading process is a little different. You'll start on a screen that lets you know that operating system verification is turned off. You can start in Chrome right away by pressing Control+D or wait a few seconds and let it start on its own. You'll hear a loud beep before you start if you let things wait. Download cruton from his project page at GitHub and save it to the downloads folder. Open a terminal by pressing Ctrl+Alt+T Make that terminal a shell) by typing the word shell and pressing enter. Run cruton to see help files and examples by typing `sh -e ~/Downloads/cruton`. You should read everything in Cruuton's documentation to help you decide what you want to install with the basic software. A great starting point is the stable version of Ubuntu with Xfce as the desktop environment. Xfce is easy and full of features, and Windows or Mac users will find it familiar. To install Ubuntu stable with Xfce: In the `sudo sh ~/Downloads/cruton -t xfce` terminal window to run cruton with the right parameters. Follow the on-screen prompts during installation. This could take a while as you're downloading a lot of files. When it's all over, type `sudo startxfce4` to switch to the new operating system. You can switch between Xfce and Chrome by using Ctrl+Alt+Shift+Back and Ctrl+Alt+Shift+Forward. To leave xfce completely, sign out of the desktop option. When you want to run Ubuntu again, you will need to open the terminal and make it a shell using the steps above. Chromebooks can be great computers on their own, but sometimes it's fun to try new things. These are just some of the tricks you can do with the new Chromebook. And like everything else, it can prove that nothing is for you and you prefer things that work that way is intended. That's cool, and sometimes when I look at the screen of a device that won't boot, I'm right there with you. Use the instructions at the top of the page to return to the experience in the box. Updated Updated 2018: This post has been updated with the latest information and links! We may earn a commission on purchases using our links. learn more. All in one place the Samsung Galaxy S20 is here, and with interesting upgrades in almost every domain compared to the S10, it is to be one of the best phones of the year. Whether you want to learn more about its design, specifications or price, here's everything you need to know. Look at the stars Today on N7 Day, Casey Hudson of BioWare confirmed that a new Mass Effect game is officially in development by a team of veterans. There are no release windows or other details, so we'll probably wait a long time for additional updates. Android & Chill Android is not perfect as-it is, but maybe it's time to stop whatnot with the same things each version and work on more features. Or do both if possible! the best mouse Trackpad of a Chromebook can work very well. But sometimes a wireless mouse can be useful when navigating through multiple documents and spreadsheets or playing a round of intense video games. Here are the best wireless mice for Chromebooks! Chromebooks!

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