

How to install apk on ubuntu

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Android, Chrome, Ubuntu Google recently announced the first set of Android apps available to run natively on Chrome OS, a feat made possible using a new 'Android Runtime' extension. Now, a developer has figured out a way to bring Android Apps to Chrome on the desktop. Vlad Filippov's chromeos-apk script and ARChon Android Runtime extension work hand-in-hand to bring Android apps to Chrome on the Windows, Mac and Linux desktop. IMDB, Flipboard and Twitter Android Apps running on Ubuntu 14.04 LTS Performance of apps through the runtime is not fantastic. Any ambitions of running Dead Trigger 2 or other graphically intensive games should be put to one side. Similarly, being both an unofficial repackaging of the official runtime and running outside of Chrome OS, system integration (e.g., webcam, speakers, etc.) may be patchy or non-existent. The guide that follows is provided as-is, and without any guarantees of success. It should be considered highly experimental, buggy, unstable - possibly even flat out evil. Try it out of curiosity rather than heightened expectation and you should be fine. How to Run Android Apps on Linux To run Android apps on Linux through Chrome you will need, obviously, to install Chrome. Version 37 or higher is required. Honestly, if you're going to be playing with a potentially unstable hack then you might as well download and install the unstable version of Google Chrome for Linux, too. Already got a version of Chrome installed? You can install the Dev Channel version via the command line by running: sudo apt-get install google-chrome-unstable Next you need to download the custom-made - ergo officially not endorsed by Google or Chromium - Android Runtime created by Vlad Filippov. This differs from the official version in a number of ways, the chief being it can be used on desktop versions of the browser. Once the runtime has fully downloaded you will need to extract the contents from the .zip files and move the resulting directory to ~/Home. Now to install ARChon. Open Google Chrome and click the hamburger menu. Navigate through to the Tools > Extensions page and, near the top, check 'Enable developer mode'. Finally, click on the 'load unpacked extension' button and select the folder you previously placed into ~/Home. The Runtime alone doesn't do much by itself so you will need to create a compatible package from an Android app. There are several ways to do this: either manually, on your desktop, or using a free Android app. We're covering the manual method below, but OMG! Chrome! has a great walkthrough of using a desktop app called 'Twerk', and the Archon Packager tool for mobile. The Manual Way (Not Recommended) To convert APKs manually - something you really don't need to do any more if you use one of the apps mentioned above - you will need to install the 'chromeos-apk' command line JavaScript utility. This is available to install through the Node Packaged Modules (npm) manager. To do this first run: sudo apt-get install npm nodejs nodejs-legacy Ubuntu 64 user? You'll want to grab the following library, too: sudo apt-get install lib32stdc++6 Now run the command to install the script itself: npm install -g chromeos-apk Depending on your configuration you may need to run this latter command as sudo. If you'd prefer not to install npm modules with sudo, you can do so with some jiggery-pokery. Now you're in the home straight. Head over to Google to find an APK of an app you want to try out, bearing in mind not all Android apps will work, and those that do may be unstable or lack features. Place your wanted Android APK in ~/Home, then return to Terminal to convert it using the following command, replacing the APK name with the one you want: chromeos-apk replaceme.apk -- archon The command will take a few seconds to do its thing. Maybe have a blink. Actually, don't blink. You now have an ARChon-rocking Chrome APK extension-y folder-y thing waiting in your Home folder. All that's left to do is install it to see if it works! Head back into the chrome://extensions page, tap the 'load unpacked extension' button once again but this time select the folder the script above created. The app should proceed to install without issue, but will it run without issue? Open the Chrome App Launcher or Apps Page and launch it to find out. Going Further Since the ARChon runtime supports an unlimited number of Chromified APKs you can repeat the process as many times as you like. The Chrome APK subreddit is keeping track of success/failures, so if you're feeling helpful be sure to post your findings there. How To Pro User Android chrome Home » How To » How to Install Android Apps on Ubuntu using ARChon (Updated) Brief: This tutorial shows you how you how to install APK files from Google Play in Ubuntu Linux. If you do not have internet connection in your smartphone or tablet or if you do not want to waste your mobile data in downloading apps or if you just have access to a wired network, you might take a different route for downloading apps in your mobile device. What you can do is to download the APK file (Android Application Package) in your computer and transfer it to your mobile device via USB cable or Bluetooth and install it. This will also enable you to create a localized backup of apps which you could use on various Android devices. This is particularly helpful in countries where internet is still scarce. The next question arises is, how do you download APK files from Google Play Store? In today's tutorial, we are going to see how can we download APK files in Ubuntu Linux. Downloading APK files from Google Play Store in Ubuntu Linux We are going to use GooglePlayDownloader app for this purpose. Using this application is very easy. No setup, login or anything of that sort is required to download the APK. Using this program is indeed a matter of few clicks. You can download the latest GooglePlayDownloader .deb file or source code from their download page. Just look for the most recent version of 'all.deb' file. Download GooglePlayDownloader Once downloaded, you can install it using Ubuntu Software Center. However, I would advise you to use Gdebi, because it can install the dependency as well. Once installed, look for it in Unity Dash and click on it to start the application. You'll see an interface like the one below. You can search for your desired application by its name. You won't be able to see the images or description of the app in the application itself. For that, you can use the "View APK Info on the web" option and it will open the website. One more important feature is the update of existing APK files. Yes! You can do that as well. You just need to select the option and point it to the downloaded APK file. If there are any updates, the APK file will be updated. You can read this article to learn how to use APK files to install the apps on mobile devices. I hope this quick post helped you to download APK files in Ubuntu or other Ubuntu-based Linux distributions. Anbox is a minimal Android container and compatibility layer to run Android apps on GNU/Linux operating systems such as Ubuntu Touch. Note "Computer" refers to another device you connect your Ubuntu Touch device to (via USB here). Your USB-attached computer must have adb and fastboot installed. Note You will need to execute commands on your Ubuntu Touch device (and/or attached computer) to install Anbox and APKs. You can do that by using the terminal application, but it is easier to use adb shell or set up SSH to access your Ubuntu Touch device from your computer. Make sure your device is supported: Meizu PRO 5 Fairphone 2 OnePlus One Nexus 5 BQ Aquaris M10 HD BQ Aquaris M10 FHD Warning Installing Anbox is only recommended for experienced users. Some devices require you to install a custom Linux kernel to use Anbox. These devices are: Meizu PRO 5 (codename: turbo, name of the boot partition: booting) BQ Aquaris M10 HD (codename: cooler, name of the boot partition: boot) BQ Aquaris M10 FHD (codename: frieza, name of the boot partition: boot) If your device is not in this list, the Anbox kernel was automatically installed when you installed Ubuntu Touch. Please skip ahead to Run the Anbox installer. You will need to repeat these steps after each Ubuntu Touch update. Not doing so can put your Ubuntu Touch device into an unstable state. Only update your Ubuntu Touch device when you have a computer with you to re-flash the modified kernel image. Be sure to have a backup of your device. Open a terminal on your computer and set some device specific variables by running export CODENAME="turbo" & export PARTITIONNAME="booting", but replace the part between the quotes respectively with the codename and name of the boot partition for your device. See the above list. Activate Developer mode on your device. Connect the device to your computer and run the following commands from your computer (the same terminal you ran the export command): wget CODENAME.img adb shell # connect from your computer to your Ubuntu Touch device sudo reboot -f bootloader # 'adb shell' will exit after this command, the prompt will be back on your computer sudo fastboot flash \$PARTITIONNAME anbox-boot-\$CODENAME.img sudo fastboot reboot m anbox-boot-\$CODENAME.img exit Once your device has the Anbox kernel installed, you can use the Anbox Tool to install the Anbox container. Run adb shell from your computer to get a shell on your Ubuntu Touch device. Run the following command on your Ubuntu Touch device: anbox-tool install. Follow the on-screen instructions. Now you're done! You might have to refresh the app drawer (pull down from the center of the screen and release) for the new Android apps to show up. Note You now have an ADB server running on your Ubuntu Touch device. This guide asks you to run some ADB commands, sometimes on your computer, other times on the device itself. Carefully check which device you are on! You can check that the ADB server is running on your Ubuntu Touch device by entering adb devices in its terminal app. You should see something like: phablet@ubuntu-phablet:~\$ adb devices List of devices attached emulator-5558 device Copy the APK to /home/phablet/Downloads. Then run the following from your computer: adb shell # connect from your computer to your Ubuntu Touch device adb install /home/phablet/Downloads/my-app.apk # This is the adb of your device, not your computer exit Done! You might have to refresh the apps scope (pull down from the center of the screen and release) for the new Android apps to show up. To uninstall apps from the Ubuntu Touch device, run adb uninstall [APP ID] from your computer: adb shell # connect from your computer to your Ubuntu Touch device sudo mount -o rw,remount / adb uninstall [APP ID] # This is the adb of your device, not your computer exit Done! You might have to pull down from the app list for the new Android apps to show up. The Android storage is located at /home/phablet/anbox-data/data/media/0. Links to android libraries can be made in their respective XDC counterparts: ln -s ~/anbox-data/data/media/0/Documents ~/Documents/android ln -s ~/anbox-data/data/media/0/Pictures ~/Pictures/android ln -s ~/anbox-data/data/media/0/Music ~/Music/android ln -s ~/anbox-data/data/media/0/Movies ~/Videos/android When you want to install an APK, but get the error Invalid APK file that error could also mean "file not found" Check that you typed the filename correctly. If the APK does not reside in the folder you are in when you run adb, you have to specify the full path, e.g. /home/phablet/Downloads/my-app.apk instead of just my-app.apk Please report any bugs you come across. Bugs concerning Ubuntu Touch are reported in the normal Ubuntu Touch tracker and issues with Anbox are reported on our downstream fork. Thank you!

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