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## Blackberry q10 running android

An update for Blackberry's not-so-popular BB10 has begun to be deployed, and with the update to 10.2.1 comes the ability to easily run Android apps. Although BB10 has been able to run Android apps for some time, previously. The APK files first had to be converted to the .BAR before they would run. With the latest update, .APK files can now be installed directly on Blackberry devices. As Blackberry continues to struggle, giving existing BB10 users the option to download or even install Android apps directly from their browser is a good way to keep these people at least semi-satisfied. What is even more interesting is that in order to fully run The Android apps, Blackberry is essentially running the Android operating system within its QNX-based operating system. In fact, it is really possible to get a complete Android user interface by simply installing and launching Nova Launcher. The video below shows that the Android installation running inside BB10 is actually a slimmed down version of Android 4.2.2. When slimming down, we mean that some of the vanilla Android components have been removed, such as the phone dialer and many other 'core' Android apps and services. Obviously Google Play services are not installed, although the tomtechish video creator tried to run the Google Play store by side loading, but unfortunately it only crashes. The fact that Blackberry now runs a slimmed-down version of Android is probably not enough to make anyone want to jump on the dying platform, but it's still pretty interesting news. Both the release of the APK support and the fact that Android is under BB10 further consolidates the fact that Blackberry is really dead in the water at this point and relies heavily on Android not only to bring it business through Blackberry Messenger, but even to help increase the BB10 experience. If Blackberry eventually abandoned BB10 altogether, or maybe did a real dual boot with Google Play app certification, would you be interested in Blackberry devices or has that boat sailed forever? Let us know what you think of the comments below. Tagging: AndroidBlackBerry With the OS10.2 update for the BlackBerry 10 operating system, BlackBerry has introduced a new feature to support Android apps by converting them from an .apk file to a .bar file. A user with a BlackBerry 10 device running OS version 10.2 or later can download and use a converted Android app in this way. Converting an Android app for use on a device 10 involves the following tasks: Installing BlackBerry command-line tools for Windows Build the Android App Convert from APK to BAR Update the version of the Sign BlackBerry Deploy the BlackBerry App app to important device considerations The APK-to-BAR conversion tool is only compatible with the runtime version of Android 4.3 and earlier. Because the converted file runs on an Android runtime instance, for Kony Visualizer to differentiate between BlackBerry and Android devices, you must write code. In the context of BlackBerry InAppBrowser, InAppBrowser, and maximizing the converted app makes the content of the browser widget completely black. To remedy this, the user can tap the screen to reload the content; you don't need to enter or resolve the URL again. This issue, which is documented in blackberry forums, could be due to memory loss. Install BlackBerry Command Line Tools for Windows To install BlackBerry for Windows command-line tools, do the following: Using a web browser, go to the Runtime page for Android apps on the BlackBerry Developer website. Go to the Command Line Tools for Windows section, and then click the download link. Because the download is not an installer executable, but a file file (.zip) that contains tools, download it to a folder that you want to serve as a working folder for BlackBerry Tools for Android development. Extract the contents of the .zip. Follow the additional instructions and meet the prerequisites detailed on the Install command-line tools for Android apps page on the BlackBerry Developer website. Compile the Android app information to learn how to create an Android app in Kony Visualizer can be found in the Build an Android app topic. Convert from APK to BAR To convert an .apk file to a .bar file, do the following: Using your computer's file browser, navigate to the folder where you extracted BlackBerry Tools for Android Development, and then launch BlackBerry APK Packager. Click the Browse button for the APK File text box, browse to and select the .apk file that you want to convert to a .bar file, and then click OK. Click the Browse button for the Android Configuration File text box, locate and select the Android .cfg of the app, and then click OK. For more information about the android.cfg file, see the topic Creating the android file.cfg on the Create push-enabled Android apps page on the BlackBerry Developer website. In addition to selecting the Android.cfg file, you can use Advanced Settings to customize the app for your BlackBerry environment in the following ways: Specify a minimum version of your device's operating system Choose a custom icon Add a custom manifest file Specify an activity index that can be started Select a custom author and an author ID Generate the .bar file by clicking Package. Updating the app version When you convert the .apk file to a .bar file for the first time, the BlackBerry APK Packager tool sets the and the app version at 1.0.1.0. For the converted app to support the required package and app version, you must modify the manifest that was generated during the conversion, point the BlackBerry APK Packager tool to that modified manifest, and then run the conversion again. To update the application version, do the following: After generating the open it using a file manager. Navigate to and open the META-INF folder, and then copy manifest.mf to the location of your choice. Open manifest.mf in a text editor. Change the package and application version number to the version of your choice in the two places listed in the following illustration: Save the manifest file, and then close it. Switch to the BlackBerry APK Packager tool. Using the Advanced Settings display, click the Browse button for the Custom Manifest text box, locate and select the manifest.mf file that you just modified, and then click OK. Generate the .bar file by clicking Package. Sign the BlackBerry app To sign the BlackBerry app, do the following: Click Start, and then type cmd.exe. When it appears in the search results, right-click it, and then click Run as administrator. Navigate to the BlackBerry ndk location on your computer. Type the following, and then press Enter: blackberry-signer -storepass &lt;YourStorePassword>&gt; &lt;PathAndFilenameForTheBARfile>&gt;Deploy the BlackBerry app to the device To deploy the BlackBerry app to your device, do the following: Click Start, and then type cmd.exe. When it appears in the search results, right-click it, and then click Run as administrator. Navigate to the BlackBerry ndk location on your computer. Type the following, and then press Enter: blackberry-deploy -installApp -device 169.254.0.1 -password &lt;DevicePassword>&gt;-package &lt;PathAndFilenameForTheBARfile>&gt;Rev Author Edits 7.0 NMK Copyright © 2013 Kony, Inc. All rights reserved. this is my first yarn creation, so I apologize if you're in the wrong section or something, I've seen this asked, but I wanted to delve into the idea, so blackberry os 10 is essentially running android you're under the blackberry platform. Let's say I wanted to run vanilla android on my Q10 would it be possible? I read that the bootloader is locked quite well as this is a security-based device. What if the bootloader is unlocked would be able to create a ROM like Android and install it? I've seen things about hybrid BBOS, but I'm not sure what it is because I have a q10 is my first blackberry. I just wanted to delve into the idea, don't get me wrong I love my blackberry but the blackberry os 10 lacks apps and without the developers that's what makes blackberry a dying brand in the half-life of consumers. Its obviously capable of running Android Back to ics days the specs are better on this phone then they are on lower range Android phones, if someone is up for it I would love to try to make this a reality, or learn more about the things that might be possible like hybrid os and maybe even ubuntu touch! 10-12-14 01:48 AM As 0 No. You are not running the Android operating system You can run Android apps, but you are not running Android. They are compiled and run under the so-called runtime that&lt;PathAndFilenameForTheBARfile>&gt; &lt;DevicePassword>&gt; &lt;PathAndFilenameForTheBARfile>&gt; &lt;YourStorePassword>&gt; &lt;YourStorePassword>&gt; them and only allows them to run and have hooks for other parts of the operating system. BB10 is a completely different operating system running under a different kernel (QNX) It's like how you can run Windows applications on Linux using an emulator (wine) published via CB10 No. You are not running the Android operating system You can run Android apps, but you are not running Android. They are compiled and run under the so-called runtime that sandboxes and only allows them to run and have hooks for other parts of the operating system. BB10 is a completely different operating system running under a different kernel (QNX) It's like how you can run Windows applications on Linux using an emulator (wine) Published via CB10 10-12-14 01:55 AM As 0 this is my first thread creation so I apologize if you're in the wrong section or something, I've seen this asked but I wanted to go deeper into the idea, so blackberry os 10 is essentially running android you're under the blackberry platform. Let's say I wanted to run vanilla android on my Q10 would it be possible? I read that the bootloader is locked quite well as this is a security-based device. What if the bootloader is unlocked would be able to create a ROM like Android and install it? I've seen things about hybrid BBOS, but I'm not sure what it is because I have a q10 is my first blackberry. I just wanted to delve into the idea, don't get me wrong I love my blackberry but the blackberry os 10 lacks apps and without the developers that's what makes blackberry a dying brand in the half-life of consumers. Its obviously able to run Android even go back to ics days the specs are better on this phone then they are on lower range Android phones, if someone is up for it I would love to try to make this a reality, or learn more about things that might be possible like hybrid os and maybe even ubuntu touch! Well, it actually runs Android in the background... but it's just the Android Runtime. I think you can think of it as a virtual operating system. Type like when running Windows XP on Windows 7 Professional via Windows XP Mode, after you have enabled hyper-virtualization of your processor out of your ROM- except XP mode you cannot easily see your real desktop. Or remotely to your office desk from home by logging into your corporate VPN and logging in using Remote Desktop Protocol (RDP), except that the information is stored your hard drive and not on your work computer. I think the way BlackBerry does it is that they've installed the Android Runtime virtual operating system but they've also created Android apps/services that allow you to access the BlackBerry 10 operating system through virtual network ports to allow BlackBerry to allow apps to access the data that you allow and block access to the data you want to restrict. Encryptions, security controls all that jazz. Well theoretically at least. See below, where you'll notice that certain Android Services (I didn't include all of them): Similarly, those apps are tunneled into apps that are displayed on BlackBerry 10, appearing seamlessly as a regular BlackBerry 10 app in an active frame. Android basically thinks that BlackBerry 10 is the launcher, when it's actually the real operating system, while Android is just the virtual one. Anyway, yes, I don't think you can do what you're asking unless you're actually one of BlackBerry's engineers, in which case you can put the idea of running Ubuntu or whatever on the operating system as a virtual operating system running under the QNX system. Released through BlackBerry Q10 on AT&T 10-12-14 03:16 AM Like 0 Simply update your operating system to the latest version of 10.2.1.xxxx or 10.3.0.xxxx and sideload Snap. Almost all Android apps will work on it. Published via CB10 10-12-14 03:50 AM as 0 he sideloaded snap but there are some apps that do not work as the standard snapchat app needs Google dependencies in order to run others need the same thing. I have not yet found a list/site that has these apps needed for deleted dependencies. 10-12-14 06:04 AM Like 0 The only time I've seen something like this happen was with the HTC HD2. This was a Windows 6.5 phone. While the hardware was ghostly, the operating system was obsolete. After half a year or so good guys in XDA Developers issued an Android ROM. Honestly, this phone was an Android milestone, even if it wasn't meant to run the little robot. It was used within my family for almost four years that translate - similar to dogs - in 28 human years. To answer your question: I assume this is theoretically possible, but developers focus on the phones that are most widespread on the market. Published via CB10 10-12-14 06:53 AM as 0 he sideloaded snap but there are some apps that do not work as the standard snapchat app needs Google dependencies in order to run others need the same thing. I have not yet found a list/site that has these apps needed for deleted dependencies. Patch it using lucky patches or using the Cobalt. And 10.3.1 is the best operating system to run Android apps. Posted via CB10 10-12-14 09:53 AM Like 0 I know about the hd2 that had a gsm operator who would have gotten that phone when I had the lol opportunity! Until 10.3.1 officially comes out I won't use it, I just had a lot of problems with the loss. Loss. via CB10 10-12-14 02:47 PM As 0 I know about the hd2 that had a gsm operator who would have gotten that phone when I had the lol opportunity! Until 10.3.1 officially comes out I won't use it, I just had a lot of problems with the loss. Published through CB10 Leaks are actually BlackBerry releases itself, the last 10.3 leaks are official for the passport. But the official term for BlackBerry OS means, the operator must approve the operating system and push it to that device model so that it can or can't get the operating system! Am you have absolutely 0 issues with my q10 running 10.3.1.xxx Posted through CB10 10-12-14 11:15 PM As 0 Leaks are actually the BlackBerry versions themselves, the latest 10.3 leaks are official for the passport. But the official

term for BlackBerry OS means, the operator must approve the operating system and push it to that device model so that it can or can't get the operating system! Am I absolutely have 0 issues with my q10 running 10.3.1.xxx posted through CB10 It seemed that it was not fully optimized which is logical because it is a leak, my battery was dying faster, the alarms were not working and my keyboard was slow. 10-12-14 11:19 PM As 0 It looked like it wasn't fully optimized, which is logical because it's a leak, my battery was dying faster, the alarms weren't working and my keyboard was slow. What operating system was that? Released via CB10 10-12-14 11:21 PM Like 0 what operating system was that? Published via CB10 I 10.3.1.xxx it was a complete operating system I do not remember the number though. 10-12-14 11:33 PM As 0 10.3.1.xxx which was a complete operating system I do not remember the number though. Did you do a security wipe after installing the operating system? And you restored your data, too? Released via CB10 10-13-14 05:59 AM as 0 Did you do a security wipe after installing the operating system? And you restored your data, too? Posted via CB10 I security erasure before using the charger as well as after and never restore. Posted via CB10 10-13-14 06:14 AM as 0 I clean security before using the autoloader as well as after and never restore. Posted via CB10 A security wipe after installation, solved all issues for me. Posted via CB10 10-13-14 01:20 PM Like 0 0 A security wipe after installation, solved all issues for me. Posted via CB10 which is what I've read most places, but it's the lack of app notifications like kik for example it's not supported and it has to be open to receive notifications things like why I regret my blackberry. 10-13-14 09:21 PM As 0 which is what I have read most places, but it is the lack of app notifications like kik for example its not supported and has to be open to receive notifications things like that why I regret my blackberry. That's not going to change. Consider leaving your applications open in an active frame. That's why they exist. Otherwise, start sending an email to developers requesting native versions. Posted via CB10 10-13-14 10:52 PM Like 0 that won't change. Consider leaving your applications open in an active frame. That's why they exist. Otherwise, start sending an email to developers requesting native versions. Posted via CB10 Actually, I think you'll notice that if you go to your Android settings, hidden in runtime (so go download something to get to it), you'll see that all Android apps work headless... that's why you have to force the closure of each one there because otherwise it will continue to work and drain the battery. I have noticed that some continue to push notifications to my hub long after I have closed their active frame. You can see it running still in Device Control, but you can't close it completely until you force it in your Android settings. Very annoying, but ensures that your BB10 device gets longer battery life. Posted via BlackBerry Q10 on AT&T 10-15-14 07:12 AM As 0 Actually, I think you'll notice that if you go to Android settings, hidden in runtime (so go download something to get to it), you'll see that all Android apps work headless... that's why you have to force the closure of each one there because otherwise it will continue to work and drain the battery. I have noticed that some continue to push notifications to my hub long after I have closed their active frame. You can see it running still in Device Control, but you can't close it completely until you force it in your Android settings. Very annoying, but your BB10 device to get longer battery life. Posted through BlackBerry Q10 on AT&T Yes, some of them, but they're never useful, are they? Besides, I'd kill them completely. They don't stay closed now. Published via CB10 10-15-14 03:39 PM Like 0 think it's the same as Java and Windows. Runs Windows, however, a Java Java uses Java to install. Similarly, the same application will use Java on a Mac or Linux distribution to work. So it's the same: Java allows you to develop programs and allows them to run, the Android runtime does exactly the same thing. You have the same program that you can install via Java, no matter the operating system (Windows, Mac, Linux). Example: iTunes, a cross-platform music player that has a cross-platform Java form. So Blackberry doesn't run Android, just as a PC doesn't run Java. The Blackberry runs Blackberry OS 10.x which has the Android Runtime equivalent to Android 4.2, just as a PC runs Windows/Mac/Linux that has Java 7.x. 11-19-14 07:45 PM Like 0

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