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Parse error android apk solution

I have an app that will download other apk from our server and install them one by one. It works well in the lower version of lollipop 5.0, but in the case of lollipop devices it gives a parse error. I've also checked the option of installing an apk from an unknown source on the device. Detailed warning in logcat when installing apk is: Zip: 2 foreign bytes at end of w/zipro center directory(5776): Error opening archive /data/local/tmp/XYZ.apk: Invalid D/asset file(5776): Failed open Zip archive '/data/local/tmp/XYZ.apk' W/DefContainer(5776): Failed to open Zip archive '/data/local/tmp/XYZ.apk' W/DefContainer(5776): Failed to parse packet in /data/local/tmp/XYZ.apk: android.content.pm.PackageManager\$PackageParserException: Failed to parse /data/local/tmp/XYZ.apk Things I tried and the result is as follows. 1.Create a fresh new apk and push it via adb to the device and try installing - Install successfully. 2.After that upload the same apk to the server, download it from the browser[not through the application]-failed [INSTALL_FAILED_INVALID_APK] 3.I have implemented an MD5 checksum to validate the apk download, checksum is also fine. 4.If I again sign the downloaded apk or zip align apk [Effectively repackage apk] and try to install -Install successfully. Please help me, how to fix this problem. permissions in manifest <uses-sdk android:minSdkVersion=9 android:targetSdkVersion=22><uses-sdk> <uses-permission android:name=android.permission.ACCESS_WIFI_STATE><uses-permission android:name=android.permission.ACCESS_NETWORK_STATE><uses-permission android:name=android.permission.READ_PHONE_STATE><uses-permission android:name=android.permission.RECEIVE_BOOT_COMPLETED><uses-permission android:name=android.permission.DELETE_PACKAGES><uses-permission android:name=android.permission.WRITE_EXTERNAL_STORAGE><uses-permission android:name=android.permission.BLUETOOTH_ADMIN> : <uses-permission android:name=android.permission.NFC><uses-permission android:name=android.permission.REBOOT><uses-permission android:name=android.permission.CHANGE_NETWORK_STATE><uses-permission android:name=android.permission.WRITE_APN_SETTINGS><uses-permission android:name=android.permission.UPDATE_DEVICE_STATS><uses-permission android:name=android.permission.CHANGE_WIFI_STATE><uses-permission android:name=android.permission.WAKE_LOCK><uses-permission android:name=android.permission.ACCESS_COARSE_LOCATION><uses-permission android:name=android.permission.ACCESS_FINE_LOCATION><uses-permission android:name=android.permission.SET_TIME_ZONE> /> Parse error on Android device is one of the oldest and most common errors faced by Android users. Errors usually appear when someone tries to install an app on their Android phone. Message appears Parse Error: There is a package parsing issue. It turns out that the app can't be installed on your phone due to a problem with parsing. Before we move on to the fix, let's see what can cause this error. There are several known causes today. A parsing error occurred while installing android apps on your phone. But, the cause could be different. Make changes to the app manifest file (for example, change the Android OS version). Damaged or partially downloaded apk files. Not enough permissions to download or install third-party apps from unknown sources. The OS version of your Android phone or smartphone hardware is not compatible with the app. Your device's security system blocks the installation of third-party apps. For security reasons, Android smartphones prohibit you from installing third-party apps and software from all sources other than the Google Play Store. Installing third-party apps from unknown sources can harm your Android phone. So, if you're trying to install .apk file, you may encounter a Parse Error. There's a package parsing problem. To fix this and bypass the ban, you must allow the installation of the application from an unknown source. There are options in your phone's security settings. Go to Settings; Then Privacy; Locate Unknown Source and check the appropriate box. If prompted to confirm, tap OK. Go back to the folder where you .apk located. Tap on it and install the app. Enabling USB debugging is not very necessary to install Android applications using .apk. However some users report that enabling USB debugging fixes this issue. To enable USB debugging, you need to enable Developer Option on your Android phone. Thus, follow the next step:Go to Settings; Find the About phone option; Scroll down to Build Number. Tap seven times on it. After tapping the 7th, you hopefully see your message now being a developer on the screen; Back to Settings, scroll down to Developer Options; Tap USB debugging and enable Procedure to enable USB debugging for different devices may be very different. Detailed instructions can be found in the newspaper. Parsing errors can also occur if your security application blocks installation. Most Antivirus tries to block the installation of apps that may look untrusted or suspicious. So, if you try to install a file .apk, the likelihood of getting an error is that your Antivirus application blocks the .apk prevent suspicious circumstances. Try temporarily disabling Antivirus and installing .apk app. If your guess is correct, you should be able to install the .apk file without receiving parsing errors in Android.A .apk file may be possible the cause of the phrase. Try downloading the new apk and installing it. See if this can fix the problem. Also, make sure you download the full file. Thus, it is enough to compare the size of the requested and downloaded file. Sometimes, you can download some of .apk files and encounter Parse Error when installing them. Today we have discussed a number of methods to fix parse errors on Android and establish possible causes. If you have encountered this problem using your Android and successfully solved the problem, please, share your experience with us. It is possible that your way of making a deal with parse errors will help our readers. Error There is a problem parking the package can be handled easily if only we do not panic and deliberately follow the steps described in this segment. Here are 7 of the most reliable and trustworthy methods to fix Parse Errors. They are easy, user friendly, and don't take up much of your time. So don't waste your time again and try it now. 2.1 One Click to Fix 'There is a Problem Parsing The Package If you still experience parsing errors, there may be a problem with the device data on your device, which means you have to fix it. Luckily, there's a simple one-click solution you can follow called Dr.Fone - System Repair. Android repair tool to fix all android system problems in one click Simple interface, clean, and user-friendly No technical knowledge required Easy one-click fix to fix the error 'there is a package parsing problem' Should fix most of the parsing problems with the app, such as the error 'there is a pokemon go package parsing problem' Supports most Samsung devices and all the latest models such as Galaxy S9/S8/Note 8 3981454 people have downloaded it If this sounds like the solution you are looking for, here's a step by step guide on how to use it yourself, Note: Please note that this repair process may delete all data on your phone, including your personal information. This is why it's so important to back up your Android device before proceeding. Step #1 Head to the Dr.Fone website and download the software. Install the downloaded software and open it. From the main menu, select the System Repair option. Enter your device and firmware information to confirm that you have the right version of the operating system installed. Step #2 Follow the onscreen instructions on how to go into Download Mode to start the Repair process. When you're done, the firmware will start downloading. Step #3 after the firmware is downloaded, it will automatically install it to your device. When this is done, you will be free to disconnect your device and use it how please without error 'there is a problem with package parsing'. 2.2 Allow installation of unknown When we install an App from another source instead of the Google Play Store, there may be an error in using the App. To work around this issue, turn on Allow App installation from other sources. Follow the steps given below to understand: • Visit Settings and select Apps. • Now a check mark on the option that says allow the installation of Applications from unknown sources. 2.3 Enabling USB debugging usb debugging is not considered necessary by many users but this method gives you an edge over others when using Android devices because it lets you access things on your phone, etc. that you could not do before. To enable USB Debugging to fix errors There is a package parsing problem, follow these steps: • Visit Settings and select About Device. • Now click Build Number not once but continuously for seven times. • Once you see the pop-up saying you're now a developer, go back to Settings. • In this step, select Developer Options and turn on USB Debugging. This should solve the problem. Otherwise, proceed to another technique. 2.4 Check that incomplete and irregular Application Installation APK Files may cause files to .apk damaged. Make sure you download the file completely. If necessary, delete an existing App or its .apk file and reinstall it from the Google Play Store to be compatible with your device's software and to use the App smoothly. 2.5 Check the Manifested File Application File .apk the file you improvised. These changes can cause Parse errors to occur more frequently. Modifications in the Apps file can be made by renaming, app settings, or more advanced customizations. Make sure you restore all changes and restore your App files to their original state to prevent them from being damaged. 2.6 Disabling Antivirus and other cleaner Antivirus Apps software and other cleaning apps is helpful in blocking unwanted and malicious Apps from damaging your device. However, sometimes these Apps also prevent you from using other secure Apps. We do not recommend that you permanently remove the Antivirus App. Temporary demolition will come in handy here. To do this: • Visit Settings and select Apps. • Select Antivirus apps to click Uninstall and then tap OK. Now download and install the desired App again. Once this is done, don't forget to install the Antivirus App again. 2.7 Deleting play store clearing cache cookies clears the Android Market platform by deleting all unwanted data. Follow the steps provided below to clear your Play Store cache: • Tap Google Play Store Apps. • Now visit Play Store Settings. • Select General Settings to Clear local search history. 2.8 Factory Reset Android Factory Reset your device to fix Parse Errors should be the last thing you try. Make sure you take backing up all the data in your Google Account Pen Drive because of this technique removes all media, content, data, and other files, including your device settings. Follow the steps provided below to reset your device to factory: • Visit Settings. • Now select Backup and Reset. • In this step, select Factory data reset and then Reset Device to confirm Factory Reset. The whole process Resetting your Android device may sound boring, risky, and complicated but helping fix Android SystemUI has stopped the error 9 out of 10 times. So, think carefully before using this drug. Drug.