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## **Android 6. 0 google play services update**

We all know that Android is the underlying operating system that drives the important hardware things that make up smartphones and tablets, but at the top three is another layer of software that helps to function properly a significant portion of the apps and features you use every day. This layer of software weaves its way into almost every category in your settings menu, from wireless and location systems to security protocols that unlock your phone while you add social features to your apps and games. For those of us who get our apps from the Google Play Store, it's the lifeblood of the platform on which your smartphone and tablet runs. We're talking about Google Play Services and how this ever-growing set of tools for users and developers keeps your device safe and up-to-date. Right here we will talk about all Play Services. New updates for the platform, and what they mean to you. The way Play Services is integrated into your phone offers new smart lock methods that support Chromecast, Android Wear, Android Auto and whatever else comes. How you, as a developer, use Play Services to offer more functionality to your users. It's all connected, and it's a big part of why most Android devices work as they do. We didn't get a new version of Android on Google I/O this year. You can read all the whining and crunching of your teeth on the internet, so I'll save you the game by playing the game as it should (a proverbial lock), but not. Instead, I'll tell you a little bit about what we got -- a huge updated version of Google's service APIs that turns out to be much better. Wait. Better? How can an app that I never wanted that magically pushed on to my phone be better than a newer, higher number in my over phone screen? That's crazy talk, isn't it? It turns out that this little app is a powerful animal. Read on. When we sit through the session at Google I/O, we get the answer directly from the people who write the software -- and they summarize it nicely. Google Play Services is a single place that brings all Google APIs to Android 2.2 and later. An Application Programming Interface (API) is a fancy term for special code written as a way for one software to communicate with another. Google writes APIs for Android, and app developers use them as a channel to access many of the core Android features. You will find APIs in many software projects, both large and small. Having them is nothing special. Currently, Google Play Services is on version 5. You probably had no idea that things were on your tablet, because that was the intention. You don't go looking for the file, it comes and finds you. Any device running Android 2.2 or later that has official access to Google Play uses these services. This means that almost every one of the 900 million devices that have been activated has a copy of Google Play Services. And Google keeps things up to date and quickly pushes out these updates, which is part of what makes them so fantastic. Under complete and complete control from Google means that the people who built your phone, as well as the carrier from which you bought it, are completely out of the picture. You don't have to wait six months or more to get the new service APIs. In fact, Google says they are able to get them pushed to the majority of devices in about a week after their update. When you take one thing away from all that, knowing that Google decides what the service APIs are, who gets it and when is the important part. What do these services do? The meat of the subject. If you've watched the keynote where Google announced all these ultra-cool and new features for Android (yes, without a version update!) -- features like the new backup location service, Play Games services, new and improved Google Cloud Messaging, or even the new Panorama API -- you've seen some of the things Google Play Services handles. The app installed on your phone allows developers to install some libraries from the SDK and tap all these things with just a few lines of code. Whether you're running Ice Cream Sandwich or Jelly Bean or a version over 2.2, you've got access to it. Google has not only pulled these services and their respective APIs from the operating system, it has made it easy for application developers to use them. In the last few days here at Google I/O, we've seen how easy it can be to add these features to an app because Google is doing all the heavy bits. Developers only need to point to the specific thing they need from the Google Play Services application in their code, and the magic happens when you run it on your phone. Do you remember from above the fantastic part where Google controls these services and their distribution to all our devices? I want you to remember this as you read it. Remember how different things would be if you had to rely on your carrier or the people who made your phone to bring you all this. Yes, that would suck. That's why such a big update for Google Play Services is more important than a new version of Android -- we got all the cool stuff without waiting for HTC or Samsung or worse -- AT&T or Verizon -- to send it to us. Why it's important to us For a minute, forget all the complaints that Hangouts weren't immediately available to everyone at the same time. Most should be good to go now and have their new Hangouts app. Each. Think about it -- Google Talk, a long booklet and core feature of the operating system, has been built with a number of new features without receiving a system-wide update. Last week, before we got to San Francisco, we were scared. We were worried that Hangouts would be shown, and then we would find out that they were part of Android 4.3. This means that most people would wait a long, long time for them, and be ready to cook, knowing that your new HTC One or Galaxy S4 wouldn't get the feature anytime soon. And smartphones are justifiably expensive. Instead, 15 minutes after Hangouts was shown, people found it in the Play Store. The same thing happens when a developer uses the Panorama API to create a photosphere display app, or someone writes all the new game features in your favorite game. That's much better than a new version you wouldn't get for six months, wouldn't it? Google Play Services is one of the most important parts of Android. It helps to connect everything together and keep everything there. Many of your apps use Google Play services every day. But the powerful service is also quite illusory. Some people don't even know it's there. That means when it comes to update, some people may not know what to do or why they're doing it. We can help fix all of this. Here's everything you need to know about Google Play Services. What is Google Play ServicesGoogle Play Services is a level of software that connects your apps, Google services and Android. It runs in the background of your Android device at any time and manages things like your push notifications whenever an app wants your location, and other everyday things like this. Google implemented this service as a kind of catch-all type, so that any app developer can use the same tools as any other developer. It is also part of Google Mobile Services, or GMS. It also hides sensitive information from apps and basically manages any other background task for battery efficiency reasons. Basically, it only allows apps from the Google Play Store to connect to Google APIs and it helps to do a lot of background stuff. It's important because you can't just have the Google Play Store on your Android device. You also need Google Play services to manage them. It's a packaged deal. It is therefore extremely important not only to have it, but also to keep it up to date. How to update Google Play ServicesIn most cases it should be updated in the background itself. It's an app in the Google Play Store and you can even view it by clicking here. Therefore, it should be updated when the Play Store updates your other apps. The quick wayOn your phone, click on this link to go to the Play Store. Tap the Update button on the Google Play Services page. This method may not work on every smartphone. The official wayGo to your phone's settings menu and tap the Apps & Notifications setting. On some devices it can only scroll down and tap On Google Play services and then tap App Details. You should be able to see the from there by pressing the update button. Please note that this does not work on all devices. If you don't see an update button, try the quick method described above. There are some rare cases where the app needs an update, but for some reason it doesn't appear in the Play Store. Google recommends that you do the following and then update it again. Clear cache and dataGo to your settings menu and tap the Apps & Notifications setting. Again, it can only enjoy apps on some devices. Scroll down and tap Google Play services. You should see the options for deleting data and cache there. Do this. Repeat for the Google Play Store. Here's a bigger tutorial if you need help clearing cache and data. After that, the update should be displayed. If not, then give it a day or two in case the update has not yet been rolled out for you. Google often releases updates in roll-outs so everyone doesn't get it at once. Download the Google Play Services APKWe really do not recommend installing Google Play Services this way for a variety of reasons. However, the tech-savvy who know what they are doing may want to perform an update or installation manually, and there are ways to do so. Download and install the APK itselfAgain, we strongly recommend updating through the Google Play Store and not using this method unless you know exactly what you are doing. Downloading and installing the wrong APK can cause all sorts of problems and different devices can sometimes have different versions of Google Play Services. Please do research before you try this or just leave the app on your own. How to disable Play ServicesThis is a bit difficult because Play Services can't be disabled on every smartphone. Sometimes the option is grayed out and you can't do it. Ironically, I couldn't disable the app on my Samsung Galaxy Note 10 Plus, but I was able to run the Android 11 developer preview on my Pixel 3a. In any case, here's how you do it. Turn off Google Play ServicesNavigate to Settings, then to Apps & Notifications. Scroll down and click Google Play services. The Disable And Force Close options should be at the top. If the option is not grayed out, just tap Disable and follow the instructions. Note that this may affect a significant portion of the functionality of your device. If the option is dimmed, you can at least restrict Google Play Services to prevent battery consumption. Restrict Google Play ServicesGo to Settings and navigate to Apps & Notifications. Scroll down and click Google Play services. Tap the Permissions option. Select the permissions you don't want Play Services to have, and select Deny. Removing permissions prevents Google Play Services from performing many tasks in the background Fix common problemsThe app can cause many problems, especially after software updates and if it needs an update itself. There are a number of potential problems, but fortunately only a few possible solutions and they are all pretty easy to do. If Google Play Services is causing problems, here are the best and most effective troubleshooting methods. Steps to first tryReboot your phone. Sometimes Google Play Services swallows a little after things like software updates and a quick restart, the system starts fresh. This can eliminate many problems. Use the tutorial above to make sure it's up-to-date in the Google Play Store. A One Version of the app can not play nicely with something else on your phone. If these steps don't work: Go to Settings, then Apps & Notifications, and scroll down to Google Play services. Navigate to the correct places and clear the cache and data. Repeat this process for the Google Play Store as well. Restart your phone. Check again to see if you see a Play Services update. A third possible way to fix the problemGo in Settings, then Apps & Notifications, and scroll down to Google Play services. Check the version number you have. Use the tutorial above to download the same version of Google Play Services from a third-party source. Follow these instructions to install the APK. Sometimes this fixes a faulty installation of the app or a bad update. If everything else failsFactory reset your device. There is a kind of problem between an app, your phone's operating system, and Play Services. It is much easier, faster and more efficient to reset and restart the device to factory settings. Keep an eye out for problems when you reinstall your apps to make sure the problem doesn't happen again, or if that's the case, at least you know what caused it. Play Services issues are no longer nearly as common as they used to be. In general, however, the cause is usually a problem between your phone's operating system and the version of Play Services that you have, or a problem between Play Services and an app that you have installed. Google Play Services is one of the most important parts of the Google Android experience. It connects everything together and requires no operating system updates to improve. However, an app that is strong is often difficult to understand and it can cause the occasional problem. If there's anything else you want to know about Google Play Services, ask us in the comments and we'll do our best to add it to the article! Article!

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