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At Google's I/O conference today, the company announced some interesting new APIs as part of google play services that developers can use to improve their apps. Some of the most interesting are single sign-in and notification synchronization, so you'll get alerts and can only sign in once on all your devices. It also revealed three new map and location services APIs. These provide better battery performance for location tracking modes (less than 1% of battery usage per hour), event recognition (so your Android knows if you're walking and driving), and geofencing (so retail organizations can send you location-based alerts). In addition to these enhancements, Google has officially announced Google Play Gaming Services along with cloud savings and achievements. Android@I/O: Press play | Android Official Blog Google Play Services is one of the most important parts of Android. It helps to connect everything and keep everything there. Most of your apps use Google Play Services every day. However, strong service is also quite an illusion. Some people don't even know you're there. This means that when it comes to updating, some people may not know what to do or why they are doing it. We can help fix all this. Here's everything you need to know about Google Play Services. What is Google Play Services Google Play Services is a layer of software that connects your apps, Google services and Android. It always works against the background of your Android device, and your push notifications manage your app location whenever it wants and other everyday things like that. Google has implemented this service as a catch-all for every app developer to use the same tools as all other developers. It is also part of Google Mobile Services or GMS. It also hides sensitive information from apps and basically manages every background task for the sake of battery efficiency. Basically, it allows apps in the Google Play Store to connect to Google APIs and helps you do a lot of background things. This is important because you can't have the Google Play Store on your Android device. You also need Google Play Services to manage them. It's a packaged deal. Therefore, it is extremely important not only to have, but also to keep it up to date. How to Update Google Play Services In this case, it should be updated on its own in the background. It is an app in the Google Play Store and you can even view it by clicking here. Therefore, the Play Store should be updated when it updates your other apps. Quick path on your phone, click this link to go to the Update button on the Play Store. Click Google Play Services page. This method is used on every smartphone Officially, go to your phone's Settings menu and tap Apps & notifications. On some devices, you may only be able to tap Apps. Scroll down and Google Play and then tap App Details. You can update the application here by pressing the Update button. Please note, this does not work on all devices. If you don't see the update button, try the quick method above. There are some rare occasions when 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 try updating again. Enter the cache and data in your phone's Settings menu and tap the Apps and Notifications setting. Again, this can only be Apps on some devices. Scroll down and tap google play services. You should see the options to clear the data and cache there. Do that. Repeat the process for the Google Play Store as well. If you need help with cache and data cleanup, here is a larger tutorial. After that, you should see the update. If not, give it a day or two if the update has not yet been offered to you. Google frequently rolls out updates so everyone can get them at the same time. Download the Google Play Services APK We do not recommend installing Google Play Services in this way for various reasons. However, the tech-savvy who knows what they are doing may want to perform an update or installation manually, and there are ways to do so. Download and install APK yourself, we strongly recommend that you update it through the Google Play Store and not use this method unless you know exactly what you are doing. Downloading and installing the wrong APK can cause all kinds of problems, and different devices can sometimes have different versions of the Google Play Services. Please do research before you try this or leave the app on its own. How to disable Play Services This is a bit difficult because Play Services cannot be disabled on every smartphone. Sometimes the option is gray and you can't do it. Ironically, I couldn't disable the app on my Samsung Galaxy Note 10 Plus, but I could do it on my Pixel 3a running the Android 11 developer preview. Either way, here's what you're going to do. Go to the Disable Google Play Services settings, then apps & notifications. Scroll down and click on google play services. The Disable and Force Close options must be at the top. If the option isn't grayed out, tap Disable and follow the prompts. Note that this can break a significant part of your device's functionality. If the option is grayed out, how can you at least limit Google Play Services to help prevent battery depletion. Limit Google Play Services Go to Settings and go to Apps and notifications. Scroll down and click on google play services. Tap Permissions. Select the permissions that you don't want Play Services to have, and then select Select. By removing permissions, you prevent Google Play Services from performing a large number of tasks in the background. Fix common problems Seeing too much especially after software updates and when an update itself is required. There are a bunch of potential problems, but fortunately only a few possible solutions and they are all quite easy to do. If Google Play Services is a problem, here are the best and most effective troubleshooting methods. Steps to try restarting your phone first. Sometimes Google Play Services starts a little hiccup system fresh after things like software updates and a quick restart. This can eliminate many problems. Use the tutorial above to make sure it's up to date on the Google Play Store. An older version of the app may not play nicely with something else on your phone. If these steps don't work, go to Settings, then go to Apps and notifications and go to Google Play services. Go to the appropriate points and delete the cache and data. Repeat this process for the Google Play Store as well. Restart your phone. Check again for a Play Services update. A third possible way to fix the problem is to go to Settings, then go to Apps & notifications and go 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 the instructions below to install apk. Sometimes this fixes a bad installation or a bad update of the application. If all else fails, reset your Mobile device. There is some kind of problem between an app, your phone's operating system, and Playback Services. It is much easier, faster and more efficient to reset the device in the factory and make a fresh start. Pay attention to problems when reinstalling your apps to make sure the problem doesn't happen again, or at least know why, if any. Playback Services issues are not as common as they used to be. However, generally speaking, this is usually due to a problem between your phone's operating system and the Play Services version or an app you install with Play Services. Google Play Services is one of the most important parts of the Google Android experience. It connects everything and does not require operating system updates to improve it. However, a powerful application is often difficult to understand and can cause problems from time to time. If there is anything else you want to know about Google Play Services, ask us for comments and we will do our best to add it to the article! We all know that it is the basic operating system that drives important hardware things that make up Android smartphones and tablets, but on top of this software sits another layer of software that helps you use apps and a significant part of the features you use every day correctly. This layer of software allows you to socially from wireless and location systems to security protocols that unlock your phone, it fall into almost every category in the Settings menu. He's for us. For. Get our apps from the Google Play Store is the lifeblood of the platform that runs your smartphone and tablet. We're talking about Google Play Services and how this ever-growing line of tools for users and developers keeps your device safe and up to date. That's where we're going to talk about everything. New updates to the platform and what it means to you. Play Services integrates with your phone to provide support for Chromecast, Android Wear, Android Auto and whatever. As a developer, how to use Play Services to give your users more features. They are all connected and a big part of how most Android devices work in this way. This year we didn't get a new version of Android on Google I/O. You can read all the lament and teeth gnashing through this on the web, so we will back you up in the game how it was supposed to happen (a proverb lock), but it didn't happen. Instead, I'll tell you what we got -- a big version of Google's service APIs that's been much updated, which is much better. Hang on. Good? How can an app that is magically pushed into my phone be better than a newer, higher number on my phone screen? That's crazy talk, isn't it? Apparently, that little app is a powerful monster. Keep reading. Sitting in the session on Google I/O get us answers directly from those who wrote the software -- and they sum it up nicely. Google Play Services is a single place that brings all of Google's APIs on Android 2.2 and above. The API (Application Programming Interface) is a fancy term for custom code written as a way for a piece of software to communicate with another software. Google writes APIs for Android, and app developers use them as a channel to access many of Android's key features. You will find APIs in many software projects, both large and small. It's nothing special to have them. Currently, Google Play Services is in version 5. You probably had no idea that something had been updated on your phone or tablet all this time, because that's what it was intended for. If you don't go look for the file, he'll come and find you. Any device with 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 activated is a copy of the Google Play Services. And Google keeps everything up to date and pushes these updates out quickly, which is part of what makes them so fantastic. Being fully and fully under control of Google means that your phone is completely out of the picture, such as the operator you may have purchased, as well as the people who purchased your phone. You won't have to wait six months or more to get the new service APIs. As a matter of fact says it's possible to get them pushed the majority about a week after it was updated. If you take something from all this, knowing that google decides what its service APIs are, who gets them and when it matters. What do these services do? The meat of the subject. If you've seen Keynote, where Google announces all these ultra-great and new features for Android (yes, without any version updates!) -- features like the new melted location service, Play Games services, new and improved Google Cloud Messaging, and even the new panorama API -- you may have seen some of the things google play services address. 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 are running an ice cream sandwich, or Jelly Bean or any version on 2.2, you can access them. Google not only moved these services and its own APIs out of the operating system, but also made it easier for app developers to use them. Google I/O has seen here the last few days how easy it can be to add these features to an app because we are doing all the heavy lifting from Google. Developers only need to refer to something special in their code that they need from the Google Play Services app, and magic happens when you run it on your phone. Do you remember from above from the fantastic section where Google controls these services and discussing their distribution to all our devices? I want you to keep remembering reading this. Think about how different things will be if you have to stick to your carrier or the people who make your phone to give you all this. yes, that would suck. That's why such a big update to Google Play Services is more important than the new version of Android -- without waiting for HTC or Samsung, or even worse -- AT&T or Verizon -- we got all the cool stuff without waiting for it to send us. Why it's important to us for a minute, forget all the complaints about hangouts instantly not being available to everyone at the same time. Most everyone go now and the new Hangouts app. Consider this -- Google Talk, a long basic and essential feature of the operating system, has been updated with a number of new features without receiving a system-wide update. We were scared before we came to San Francisco last week. We were afraid hangouts would come out of the game and find out it was part of android 4.3. This means that most people will be waiting a long, long time for them, and all the new HTC One or Galaxy S4 will be ready to boil over knowing that it is not going to get the feature a lot a soon. And rightly so, smartphones are expensive. Instead, 15 minutes after hangouts were shown, people would find him in the Play Store. The same thing a developer photosphere also happens when you use a panorama API for or someone writes all the new Games functionality to your favorite game. That's a lot better than a new version you won't get for six months, isn't it?

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