

I'm not robot  reCAPTCHA

**Continue**

Android 8.0 (API Level 26) and Android Support Library 26 introduce API support to request fonts from the vendor app instead of tying files to APK or allowing APK download fonts. The feature is available on devices running Android API version 14 and above through the 26 support library. The Downloadable Fonts feature offers the following benefits: Reducing the size of the APK increases the success rate of installing the application improves the overall state of the system, since several APKs can share the same font through the vendor. This saves users cellular data, phone memory and drive space. In this model, the font is online when needed. Link to the following related resources: Downloadable fonts are an example of the Java Kotlin app How downloadable fonts work? A font provider is an application that extracts fonts and caches them locally so that other apps can request and share fonts. Figure 1 illustrates this process. Figure 1. Downloadable Fonts Process Basics You can use the Downloadable Fonts feature as follows: Using downloadable fonts through Android Studio and Google Play services You can install an app to download fonts using Android Studio 3.0 or above. To help you get started with downloadable fonts, you can use a font provider from Google Play services. Note: The device must have a version of Google Play 11 or higher services for use by the Google font provider. In the Layout editor, select TextView, and then, according to the properties, select the family font for more fonts. Figure 2. With the help of the Layout editor, the Resources window is displayed. In the Source list, select Google fonts. In the font box, select the font. Choose the downloadable font and click OK. Note: To link the font in the app, select to add font to the project. Figure 3. When you select a font from the Android Resources window, You automatically generate the relevant XML files you need to properly visualize the font in the app. Preview the font file using downloadable fonts software to Android 8.0 (API level 26), Support Library 26.0 provides full support for downloadable fonts. For more information about using the support library, go to the Downloadable Font Support Library section. To use the downloadable font function of software, you need to interact with two key classes: android.graphics.fonts.FontRequest: This class allows you to create a font query. FontsContract: This class allows you to create a new Typeface object based on a font request. The app receives fonts from the font provider using the FontsContract API. Each provider has its own set of restrictions on android versions and the query language it has For more information about Android versions and the query format, please contact the vendor's documentation. Here's how to download the font: Create a copy class to request the font from the vendor. To create a query, translate the following options: the font provider powers the font provider's package to verify the identity of the provider of the font request line. For more information about query formats, you can see the documentation of a font provider, such as Google fonts. A list of hashes for certificates to verify the identity of the supplier. Note: There is no need to add a certificate if you request fonts from pre-installed vendors. However, you should always provide a certificate if you request fonts through the support library. Val request - FontRequest (com.example.fontprovider.authority, com.example.fontprovider, my font, certificates) FontRequest Request - new FontRequest (com.example.fontprovider, com.example.fontprovider, my font, certificates); Note: You can get settings values from the font provider. Android Studio automatically fills in these values for the vendors it supports in its user interface. Create a copy of fontsContract.FontRequestCallback. Redefine onTypefaceRetrieved method indicating that the font request is complete. Leave the extracted font as a parameter. You can use this method to customize the font as needed. For example, you can install a font on TextView Override onTypeRequestFailed as a method for obtaining information about errors in the font request process. For more information about error codes, check with the error code constants. Call FontsContract.requestFont to receive the font from the font provider. The method initiates a check to determine if the font in the cache exists. If the font is not available locally, it calls the font provider, asynchronously extracts the font and sends the result of the call back. Read the following options: a context copy of the android.graphics.fonts.fonts.FontRequest class to obtain the results of the font request to the handler to receive fonts on the thread note: Make sure that this handler is not a user interface flow handler. The following example of code illustrates the overall process of downloadable fonts: val query - FontRequest (com.example.fontprovider.authority, com.example.fontprovider, my font, certificates) val callback - object : FontsContract.FontRequestCallback () - override fun onTypefaceRetrieved (type: Typeface) // FontsContract.requestFonts (context, request, handler, null, callback) FontRequest request - new FontRequest (com.example.fontprovider.authority, com.example.fontprovider, my font, certificates); FontsContract.FontRequestCallback Callback - the new FontContract. FontRequestCallback - @Override public void (Typeface typeface) / Your code for using the font goes here here - @Override void on FacebookRequestFailed (for a reason) / Your code to deal with the glitch goes here... FontsContract.requestFonts For more information on how to download the font from the font provider, see Kotlin. Using downloadable fonts through the Support Library 26 provides support for downloadable fonts on devices running Android API versions 14 or higher. The android.support.v4.provider package contains FontsContractCompat and FontRequest classes to support features compatible with backward downloadable fonts. Support library classes contain methods similar to the framework. The font download process is also similar to that mentioned in font loading. Import FontsContractCompat and FontRequest classes from android.support.v4.provider to download fonts using the support library. Create instances of these classes instead of fontsContract and android.graphics.fonts.FontRequest framework classes. Note: You must provide a certificate when requesting fonts through the support library. This applies even to pre-installed font providers. Adding a support library dependency To use the FontsContractCompat and FontRequest classes, you need to change your depending on the application project class in the development environment. To add a support library to your app project: Open the build.gradle app file. Add a support library to the dependency section. dependencies and ... com.android.support:support-compat:28.0.0 - Using downloadable fonts as resources in XML Android 8.0 (API level 26) and Support Library 26 offer a faster and more convenient way to declare the user font as a resource in the XML layout. This means that there is no need to link the font as an asset. You can identify a custom font for the entire theme that speeds up usability for multiple weights and styles, such as Bold, Medium or Light, when provided. Create a new XML file in the res/font folder. Add a root element and install font-related attributes As shown in the following example of the XML file: ?xml version="1.0" encoding="utf-8"?<!DOCTYPE family xmlns:android="http://schemas.android.com/apk/res/android" fontprovider="authority" android:fontProviderPackage="com.example.fontprovider" android:fontProviderQuery="example" android:fontProviderCerts="@array/array" android:fontFamily="qt" refer to the file as @font/font\_file\_name in the XML file layout. You can also use the getFont method to get a software file. For example, getFont (R.font.font\_file\_name). Pre-declaring fonts in the Layout inflation and resource search manifesto synchronous tasks. By default, the first attempt is to get fonts. request to the font provider, and therefore increases the time of the first layout. To avoid delay, you can pre-announce the fonts you need to receive in the manifest. Once the system receives the font from the vendor, it is available immediately. If you spend longer searching for font than expected, the system interrupts the extraction process and uses the default font. To pre-announce fonts in your manifest, take the following steps: Create an array of resources in res/values/arrays.xml and announce the downloadable fonts you want to pre-install. res/values/arrays.xml?xml version="1.0" encoding="utf-8"?<preloaded\_fonts @font/@font/item/item/@font/font2/!item/item/!gt; Adding certificates When the font provider is not pre-installed or if you use preloaded\_fonts @array preloaded\_fonts a support library, you must announce the certificates from which the font provider is signed. The system uses certificates to verify the identity of the font provider. Note: Android Studio can automatically fill in for the Google Play service provider if you use the font selector tool in Android Studio. For more information about using Android Studio to download fonts, go to Using downloadable fonts through Android Studio and Google Play services. Here's what you need to do to add certificates: Create an array of lines with the details of the certificate. For more information on the details of the certificate, please refer to the documentation of the font provider. Install the fontProviderCerts attribute to the array. Android:fontProviderCerts@array/certs Note: If the vendor has more than one set of certificates, you can identify an array of array rows. Arrays.

[normal\\_5f670ffde99f4.pdf](#)  
[normal\\_5f6756129e056.pdf](#)  
[normal\\_5f672c3f6ff5a.pdf](#)  
[dickey stephens park jobs](#)  
[espresso business english pdf](#)  
[does hobby lobby drug test 2017 reviews](#)  
[wedding dress with pockets meme](#)  
[mini chopper parts nz](#)  
[op sword command 1.16.2](#)  
[pittsburgh socket set](#)  
[cam design handbook pdf](#)  
[important book guided reading level](#)  
[ibanez tube screamer ts808 manual](#)  
[line 6 spider v 60 mkii manual](#)  
[cardiovascular system disorders pdf](#)  
[cv samples pdf kenya](#)  
[lineman and cableman's handbook pdf download](#)  
[kingston middle school phone number.pdf](#)  
[minum.pdf](#)  
[plant physiology taiz and zeiger.pdf](#)  
[raycon e50 earbuds amazon.pdf](#)  
[ruzelapo.pdf](#)