

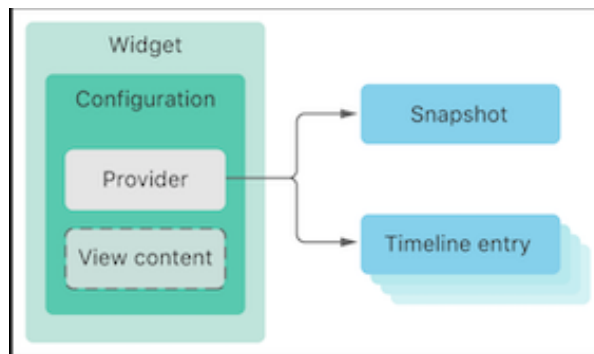
What is widget

During WWDC 2020, Apple announced the [Widget](#) for iOS (as well as iPadOS and MacOS), With the new [WidgetKit]framework.

Widgetkit integrates the notification center framework, also known as today view, on the negative screen of the system before ios14.

Widget are built entirely with [SwiftUI](#).

To implement a widget, you add a widget extension to your app. You configure the widget with a timeline provider, and use SwiftUI views to display the widget's content. The timeline provider tells WidgetKit when to update your widget's content.



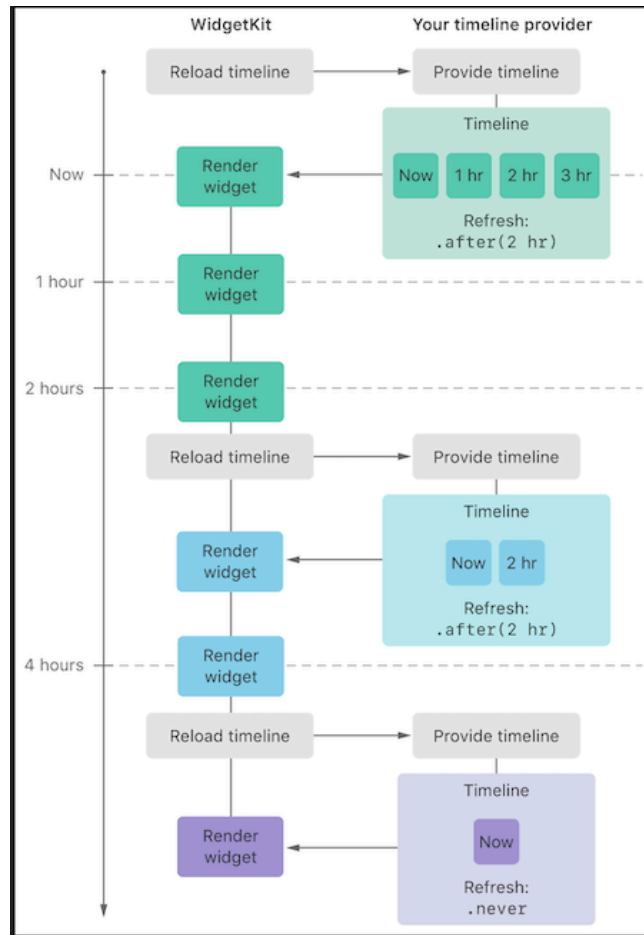
What is the feature

You can build widgets that can be added to your home screen to let you see important information at a glance. When they need more details, your widget takes them directly to the appropriate place in your app.

A great widget is glanceable, it's relevant and it's personalized. This is very important, widgets are not mini-apps. You can have it in three different sizes, small, medium or large.

If you have most relevant information throughout the day you can add our widget to smart stacks. Smart Stacks are a collection of widgets that will automatically rotate to show the right widget at the top. So You can see the most important details at exactly the right time. But you can also swipe through.

You configure the widget with a timeline provider, The timeline provider tells WidgetKit when to update your widget's content.



And you can add configuration and intelligence to Your widgets.

To make a widget user-configurable, you add a custom SiriKit intent definition to your extension. WidgetKit automatically provides a customization interface to let users personalize their widgets.

What widget can do for our app

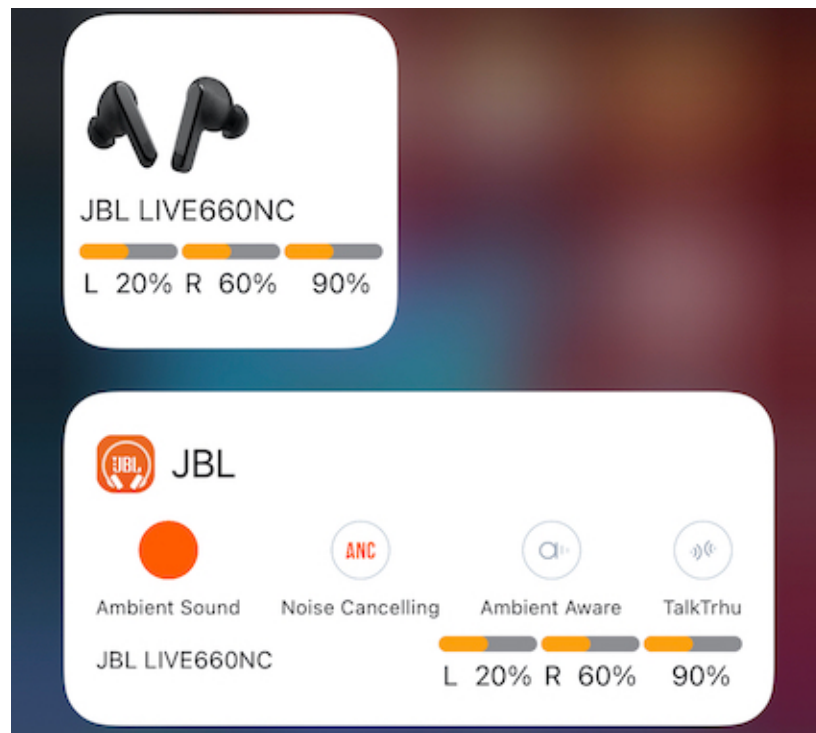
The widget extension is not continually active, even if the widget is onscreen. The widget data reload must be more than 5 minutes. You can show the device information (name, icon, feature etc) that has connected to your project.

But the battery level not need to show. because widget can't to refresh data in time. and the ble device battery is showing by system batteries widget.

The widget is not available any animations. Widgets present read-only information and don't support interactive elements such as scrolling elements or switches. The widget no interaction

You can making a Configurable Widget.

Users can select a specific device to show in widget, But the widget ui style can't change.



Other

The widget [Demo](#).