**[1. Broadcast receiver](https://www.vogella.com/tutorials/AndroidBroadcastReceiver/article.html" \l "broadcast-receiver)**

[**1.1. Definition**](https://www.vogella.com/tutorials/AndroidBroadcastReceiver/article.html#definition)

A *broadcast receiver* (*receiver*) is an Android component which allows you to register for system or application events. All registered receivers for an event are notified by the Android runtime once this event happens.

For example, applications can register for the ACTION\_BOOT\_COMPLETED system event which is fired once the Android system has completed the boot process.

[**1.2. Implementation**](https://www.vogella.com/tutorials/AndroidBroadcastReceiver/article.html#implementation)

A receiver can be registered via the *AndroidManifest.xml* file.

Alternatively to this static registration, you can also register a receiver dynamically via the Context.registerReceiver() method.

The implementing class for a receiver extends the BroadcastReceiver class.

If the event for which the broadcast receiver has registered happens, the onReceive() method of the receiver is called by the Android system.

[**1.3. Life cycle of a broadcast receiver**](https://www.vogella.com/tutorials/AndroidBroadcastReceiver/article.html#life-cycle-of-a-broadcast-receiver)

After the onReceive() of the receiver class has finished, the Android system is allowed to recycle the receiver.

On Android 8.0 or later, the receiver must be registered in code using the registerReceiver() method of the Activity class together with an appropriately configured IntentFilter object:

A [Service](https://developer.android.com/reference/android/app/Service.html) is an application component that can perform long-running operations in the background and does not provide a user interface.