## Broadcast Receiver in Android

Broadcast is a message that can be received by any app. The system sends out various broadcasts in response to system events, such as when the system boots up, when the airplane mode is enabled, when the device is put on silent, or upon receiving an incoming call or a text message. To respond to these system events, ****Broadcast Receivers**** are used. Using ****Broadcast Receivers****, you can register for any system or custom event. When that event happens, then the corresponding receiver will get notified.

Following are the two main types of Broadcast Receivers:

****Static Broadcast Receivers:****

They work even when the app is closed. Static Broadcast Receivers are declared inside the AndroidManifest.xml file.

****Dynamic Broadcast Receivers:****

These receivers don't work when the app is closed. They only function when the app is either in the active state or is minimized but still present in the background.

Here is a list of some important system intents:

* ****android.intent.ACTION\_AIRPLANE\_MODE\_CHANGED:****As the name suggests, this intent shows if the airplane mode is enabled or disabled.
* ****android.intent.action.BATTERY\_LOW:**** This broadcast is sent when the battery of the device is low.
* ****android.intent.action.BOOT\_COMPLETED:**** It shows that the system boot has been completed.
* ****android.net.conn.CONNECTIVITY\_CHANGE:**** It reflects the change in the connectivity of mobile data or wifi connection.
* ****android.intent.action.DATE\_CHANGED:**** This shows the change in date