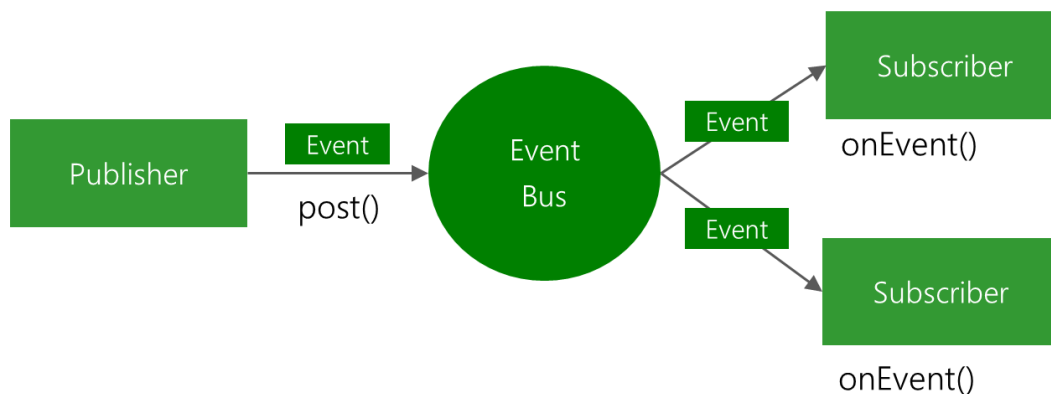


# EventBus: Events for Android

**EventBus** is an open-source library for Android and Java using the **publisher/subscriber** pattern for loose coupling. EventBus enables central communication to decoupled classes with just a few lines of code – simplifying the code, removing dependencies, and speeding up app development.



## Your benefits using EventBus: It...

- simplifies the communication between components
- decouples event senders and receivers
- performs well with UI artifacts (e.g. Activities, Fragments) and background threads
- avoids complex and error-prone dependencies and life cycle issues

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by the developers of EventBus and greenDAO

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- **Convenient Annotation based API:** Simply put the `@Subscribe` annotation to your subscriber methods. Because of a build time indexing of annotations, EventBus does not need to do annotation reflection during your app's run time.
- **Android main thread delivery:** When interacting with the UI, EventBus can deliver events in the main thread regardless how an event was posted.
- **Background thread delivery:** If your subscriber does long running tasks, EventBus can also use background threads to avoid UI blocking.
- **Event & Subscriber inheritance:** In EventBus, the object oriented paradigm apply to event and subscriber classes. Let's say event class A is the superclass of B. Posted events of type B will also be posted to subscribers interested in A. Similarly the inheritance of subscriber classes are considered.
- **Jump start:** You can get started immediately – without the need to configure anything – using a default EventBus instance available from anywhere in your code.
- **Configurable:** To tweak EventBus to your requirements, you can adjust its behavior using the builder pattern.

Check out EventBus' full [feature set](#).

## Add EventBus to your project

EventBus is available on JCenter and Maven Central, so just [add the dependency to your project](#).

## Get started with EventBus

For first steps with EventBus, please check the [documentation / tutorial](#), especially the [getting started guide](#).

## You are using a database? You need an alternative to SQLite?

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## ObjectBox 1.0

Check our new object database!

## GitHub Links

EventBus, greenDAO, Essentials, ObjectBox

## Latest News

## EventBus 3.1 with plain Java support

## Introducing DaoCompat: greenDAO on ObjectBox

ObjectBox is a Techstars'17 company

## ObjectBox 0.9.10 – getting closer to 1.0

## ObjectBox Documentation Update

## Recent Comments

## William Ferguson on EventBus 3.1 with plain Java support

## DaoMaster on Introducing DaoCompat: greenDAO on ObjectBox

Morten Slott Hansen on Introducing DaoCompat: greenDAO on ObjectBox

Andreas Neumann on Custom Types

## DaoMaster on Custom Types

## Tags

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