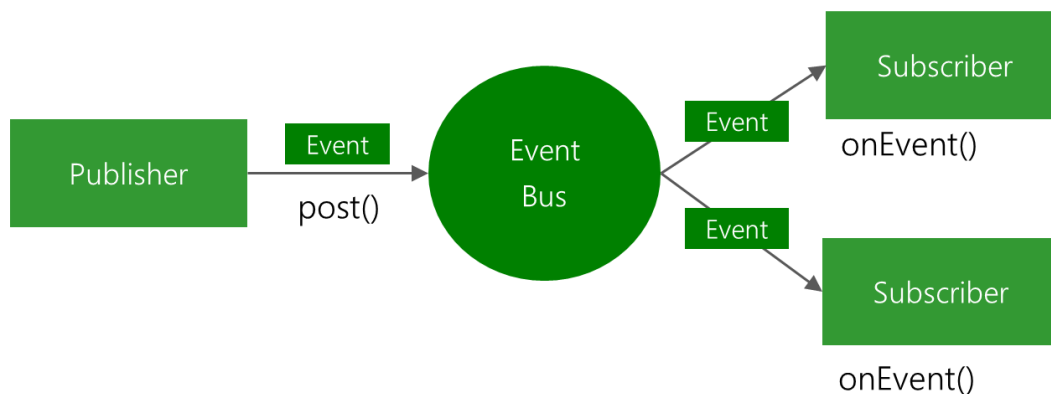robot   **EventBus**

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

- **Convenient Annotation based API: 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?

Check out **ObjectBox** - the fast & easy database for Android
by the developers of EventBus and greenDAO

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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

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