Open-Source Apps auf Android

Nicco Kunzmann

4. März 2020 beim Chaostreff in Potsdam

Open-Source Apps auf Android

- Motivation am Beispiel

- Was macht eine App frei?

- Wie funktioniert das Ökosystem um F-Droid?

- Wie bringe ich meine App ein?

Beispiel App: Hanuman Chalisa

- 7 Mantras

- Bilder & Sound

- Repeat-Knopf

- Und dahinter ...

Quelle: github.com/gita/HanumanChalisa

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Beispiel App: Hanuman Chalisa

- Ads
- Tracker
- Rating
- Geheimer Code

Tappx - Get users and make money with your app

https://www.tappx.com/en

Firebase

Harness the power of Google's machine learning to get insight into which segments of users are likely to churn or spend (or complete another conversion event)…

Showing **28 changed files** with **67 additions** and **500 deletions**.

```
compile 'com.google.firebase:firebase-core:11.8.0'
compile 'io.github.kobakei:ratethisapp:1.2.0'
compile 'com.tappx.sdk.android:tappx-sdk:3.+'
compile 'com.google.android.gms:play-services-ads:11.8.0'
```

Quelle: tinyurl.com/wgxrmgd

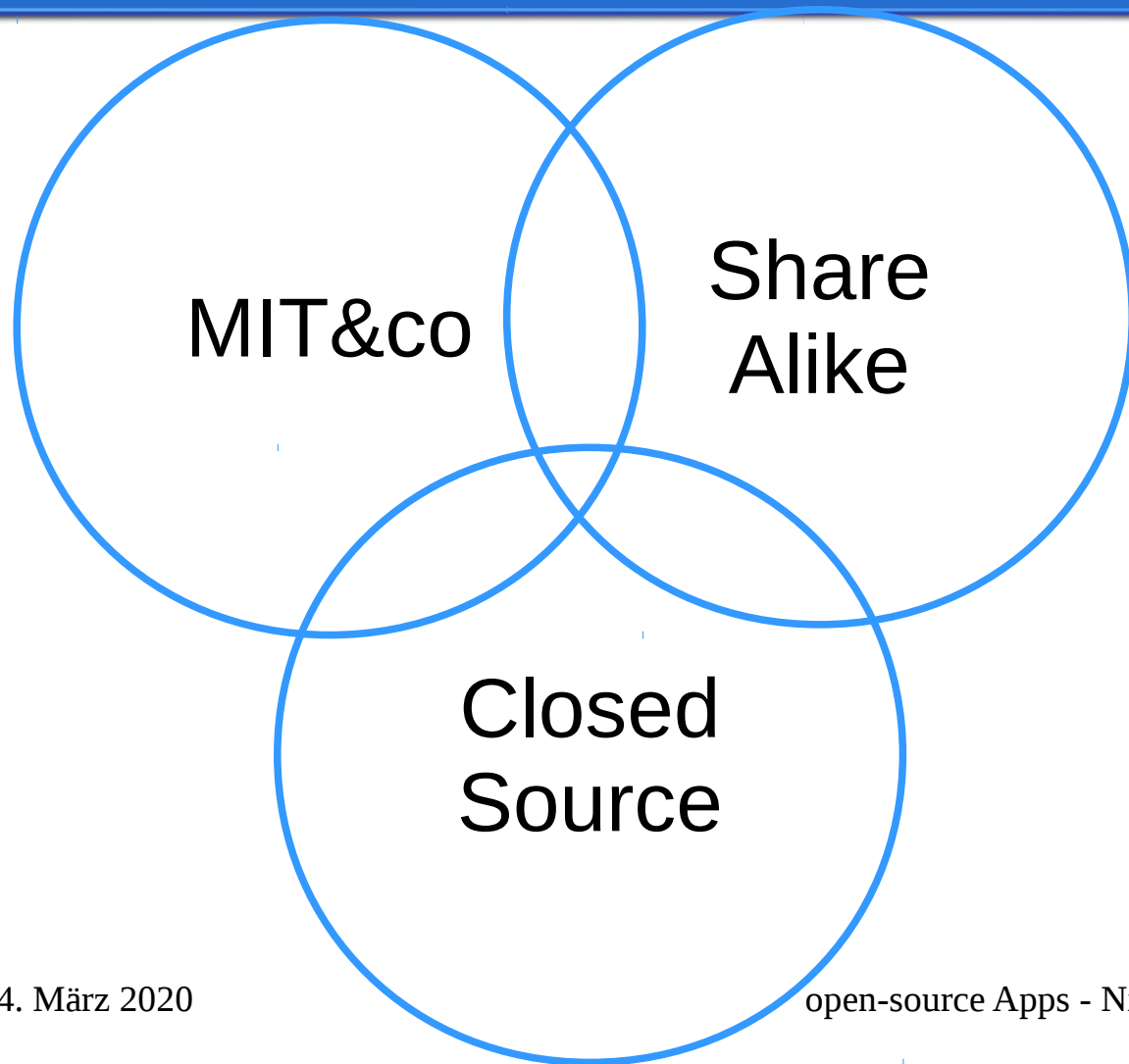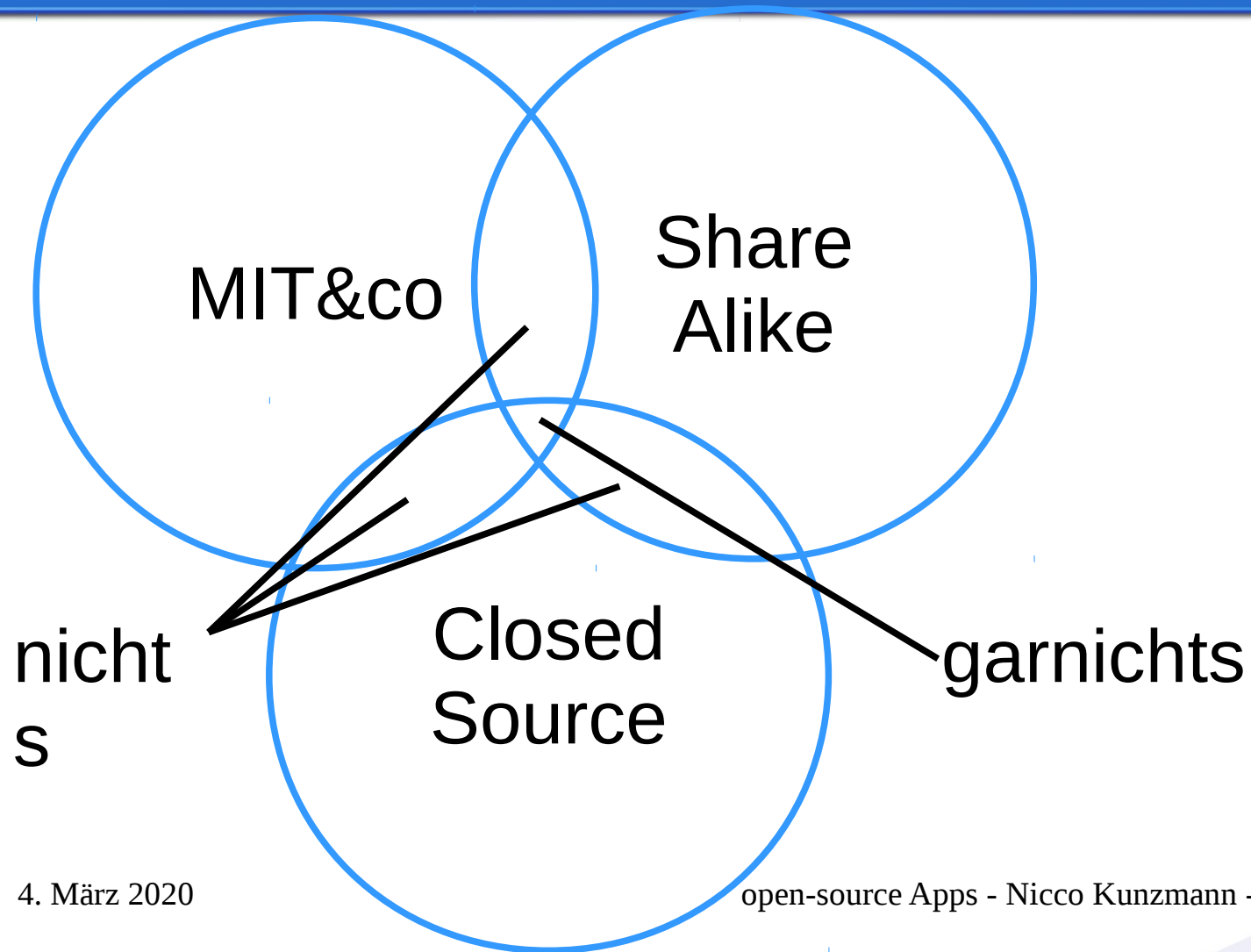# Open-Source Lizenzen

- 4 Freiheiten

    0. Ausführen wie man will

    1. Lernen & Anpassen

    2. Weiterverbreiten & Helfen

    3. Verbessern & Teilen

Open-Source Lizenzen

MIT&co

Share Alike

Closed Source

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Open-Source Lizenzen

MIT&co

Share Alike

Closed Source

nichts

garnichts

Open-Source Lizenzen

Share Alike

MIT&co

Closed Source

- GPL
- MPL
- CC-BY-SA

- BSD
- Apache
- CC-BY

- Bildungs-Lizenzen
- Non-Military
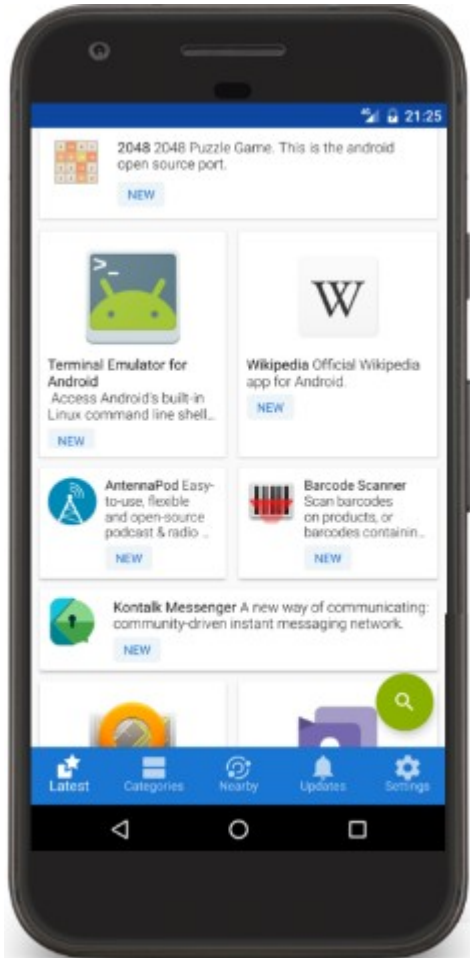- CC-NC

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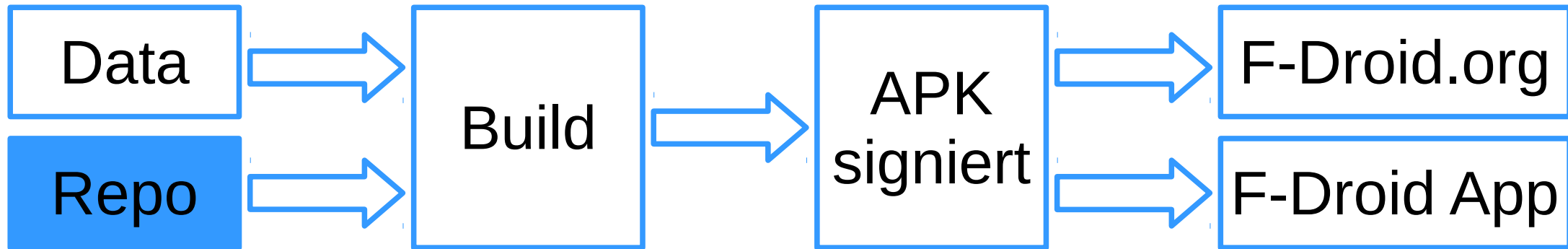- Bildungs-Lizenzen
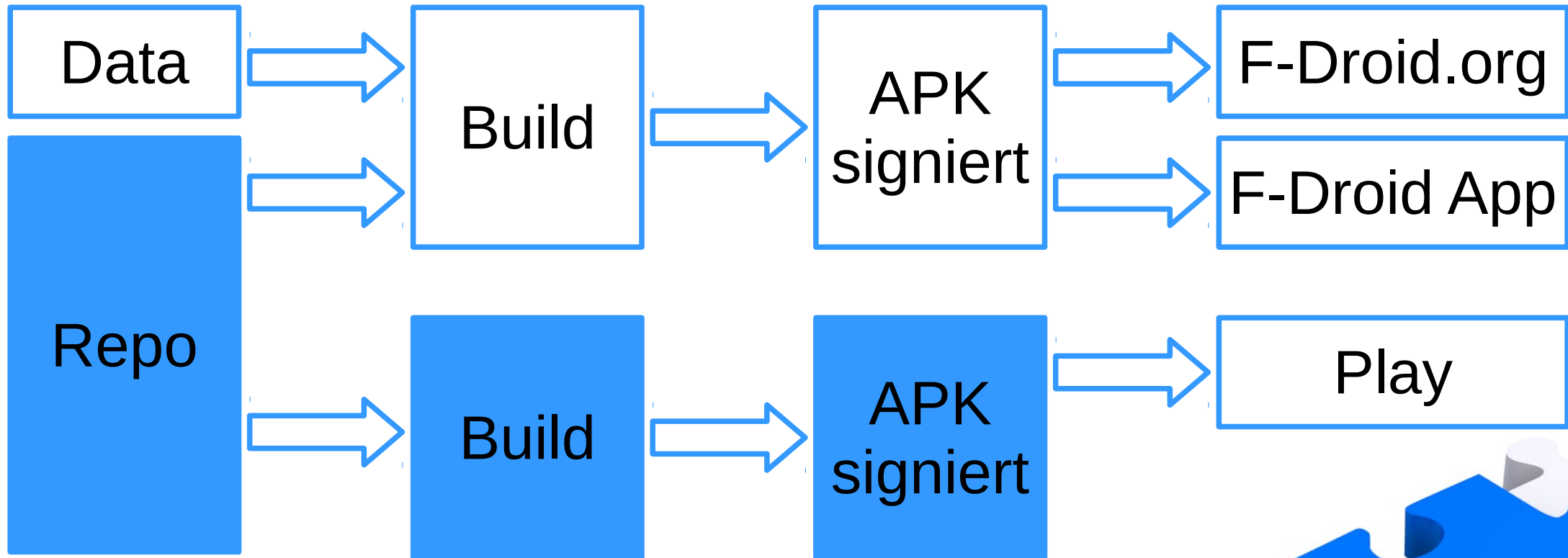- Non-Military
- CC-NC

F-Droid

- Kalalog für Freie Apps für Android
- Client für die Installation

Quelle: f-droid.org

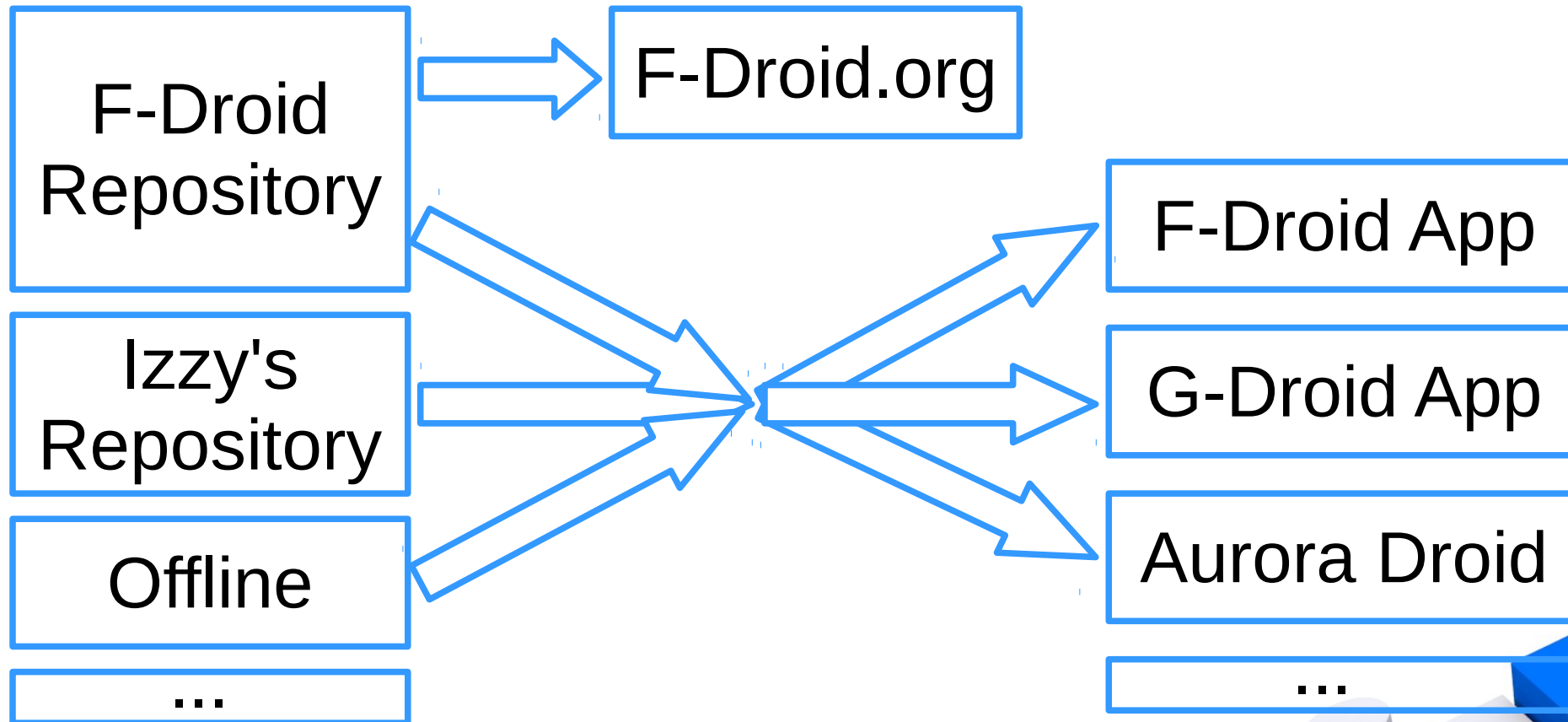# F-Droid Release Prozess

Data → Build → APK signiert → F-Droid.org

Repo → Build → APK signiert → F-Droid App

- Reproduzierbare Builds
- Offener Quelltext

Vergleich: Google

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F-Droid Release Prozess

F-Droid Meta Daten

- YML-Format

- Beispiel: F-Droid App

- Quelle:
  tinyurl.com/fdroidyml

- https://f-droid.org/en/packages/org.fdroid.fdroid/

📄 **org.fdroid.fdroid.yml** 29.3 KB 📋   Edit   Web

```yaml
 1  Categories:
 2    - System
 3  License: GPL-3.0-or-later
 4  WebSite: https://f-droid.org
 5  SourceCode: https://gitlab.com/fdroid/fdroidclient
 6  IssueTracker: https://gitlab.com/fdroid/fdroidclient/issues
 7  Translation: https://hosted.weblate.org/projects/f-droid/f-droid
 8  Changelog: https://gitlab.com/fdroid/fdroidclient/raw/HEAD/CHANGELOG.md
 9  Donate: https://f-droid.org/about
10  FlattrID: '343053'
11  LiberapayID: '27859'
12  Bitcoin: 15u8aAPK4jJ5N8wpWJ5gutAyyeHtKX5i18
13
14  AutoName: F-Droid
15
16  RepoType: git
17  Repo: https://gitlab.com/fdroid/fdroidclient.git
18
19  Builds:
```

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9   Donate: https://f-droid.org/about
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Edit   Web

F-Droid Meta Daten

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- Kontakt: https://niccokunzmann.github.io

- Chaostreff Potsdam: https://ccc-p.org