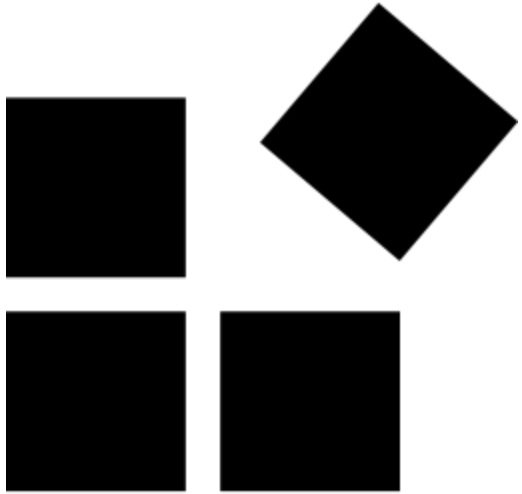
How to organise your digital life in a privacy-preserving, machine-agnostic, and practical manner

Zvezdin Besarabov, University College London



Data loss when database file changes without Yubikey available #5290

Open **droidmonkey** opened this issue on 18 Aug · 2 comments

droidmonkey commented on 18 Aug Member

I was thinking of filing a new issue but maybe this is the same problem. I incur data loss on sync, silently, which is very very critical.
Steps:

1. Encrypt database with master password + Yubikey.

Assignees

droidmon

Labels

Practical

DAV

Talk points

- Email
- Calendar/Contacts/Tasks
- Office
- Password management
- Personal file storage & cloud syncing

IMAP + OpenPGP

mailbox.org

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E-mail inbox & Cloud storage from 1 € /month.

- ✓ No risk: 30-day trial, free of charge
- ✓ Better than others: Secure, anonymous, and ad-free
- ✓ Your privacy remains protected
- ✓ Servers located in Germany (Berlin)
- ✓ 100% powered by eco-friendly energy

next

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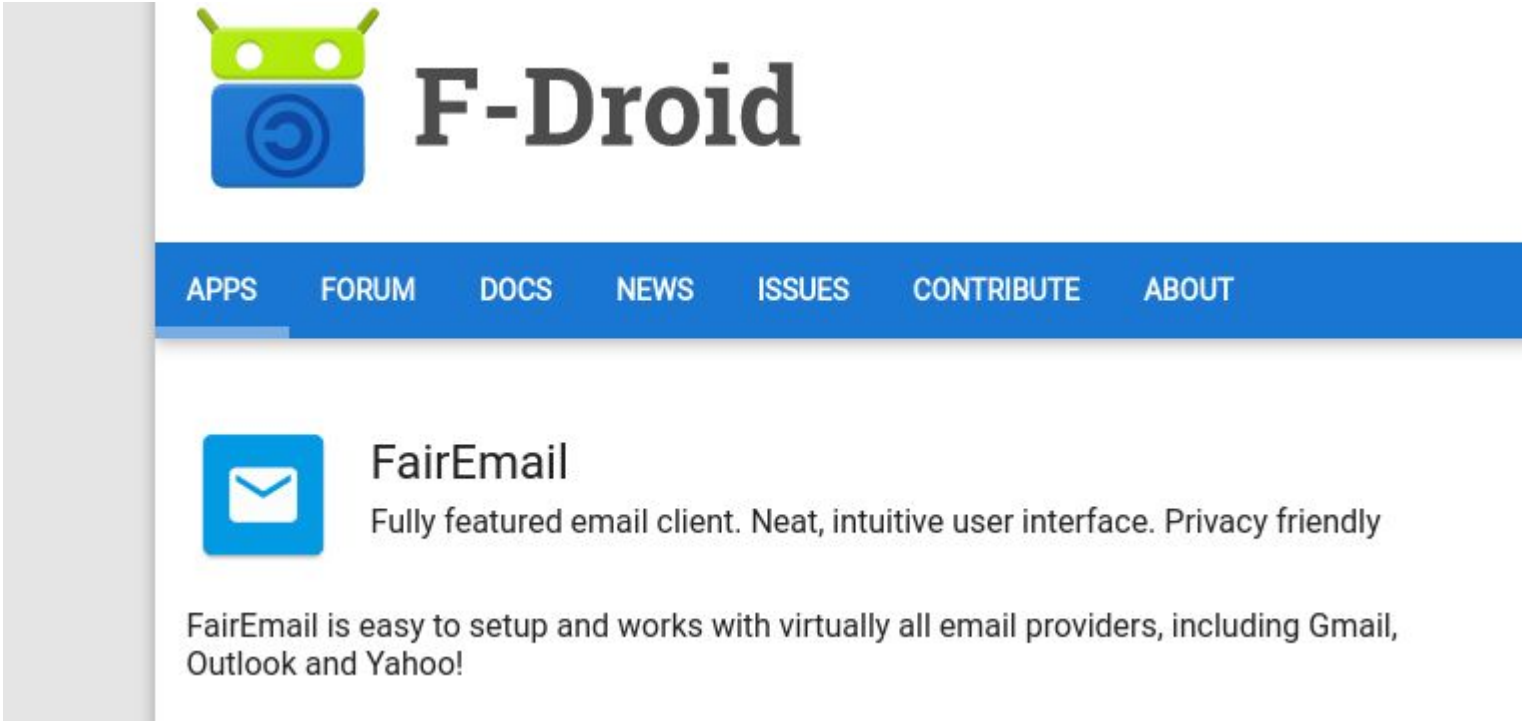
Testimonials

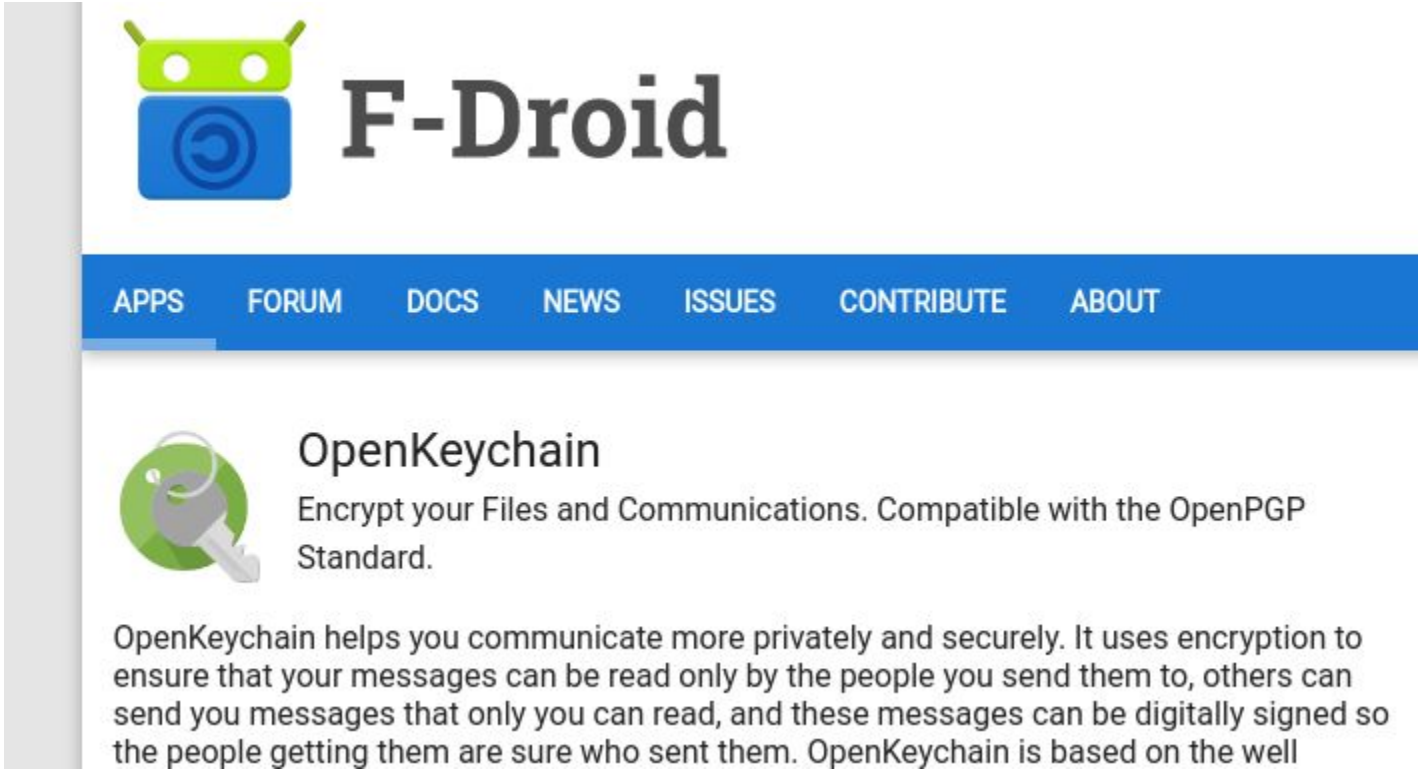
★★★★★ "mailbox.org has been recommended by the German consumer

Linux client: Thunderbird

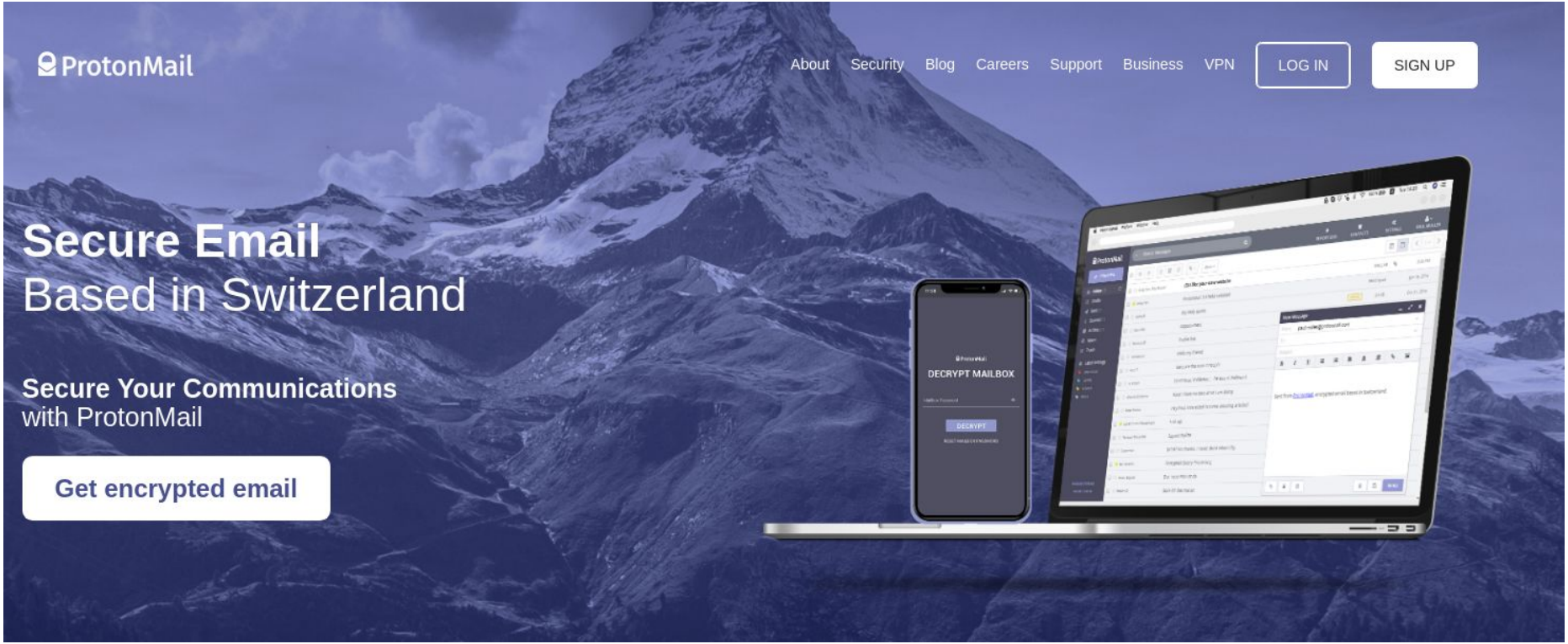
Android client: FairEmail



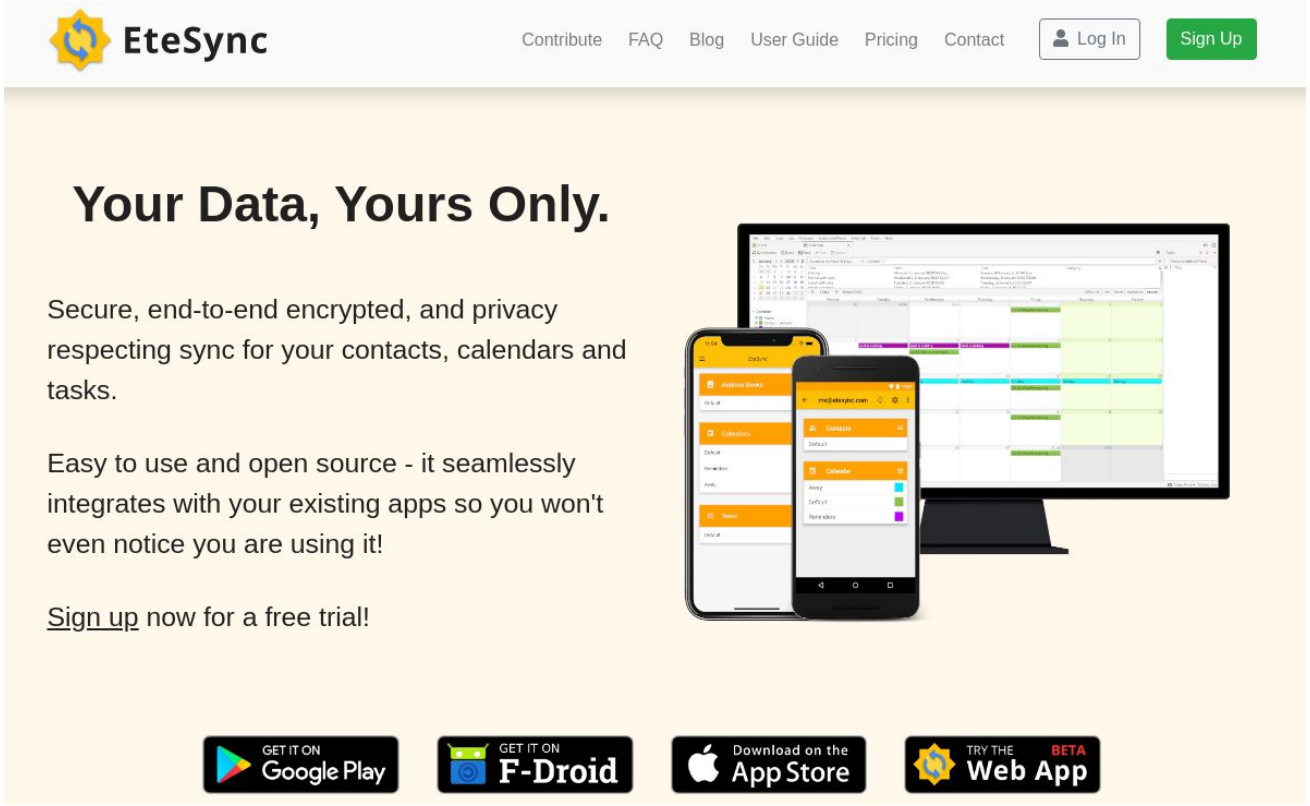
Android PGP keychain: OpenKeychain



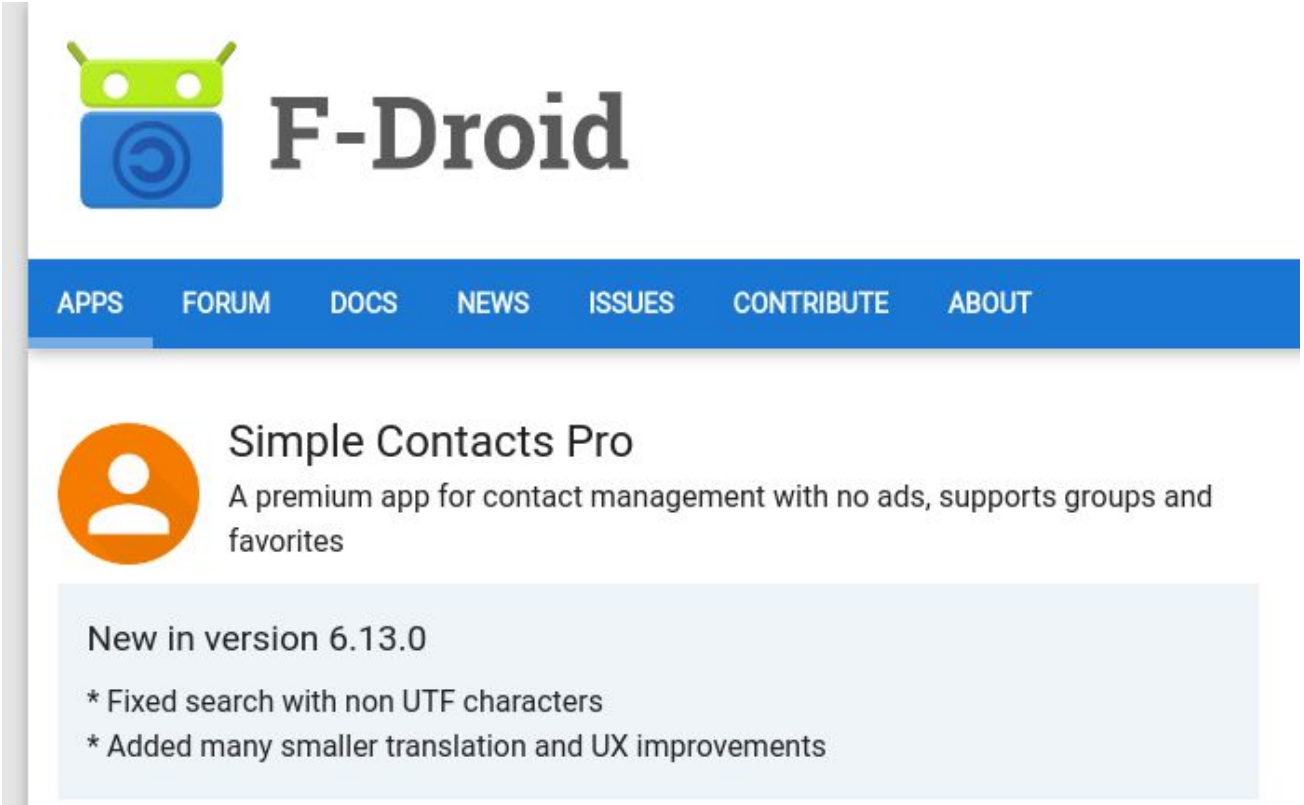
Honorable mention: Protonmail



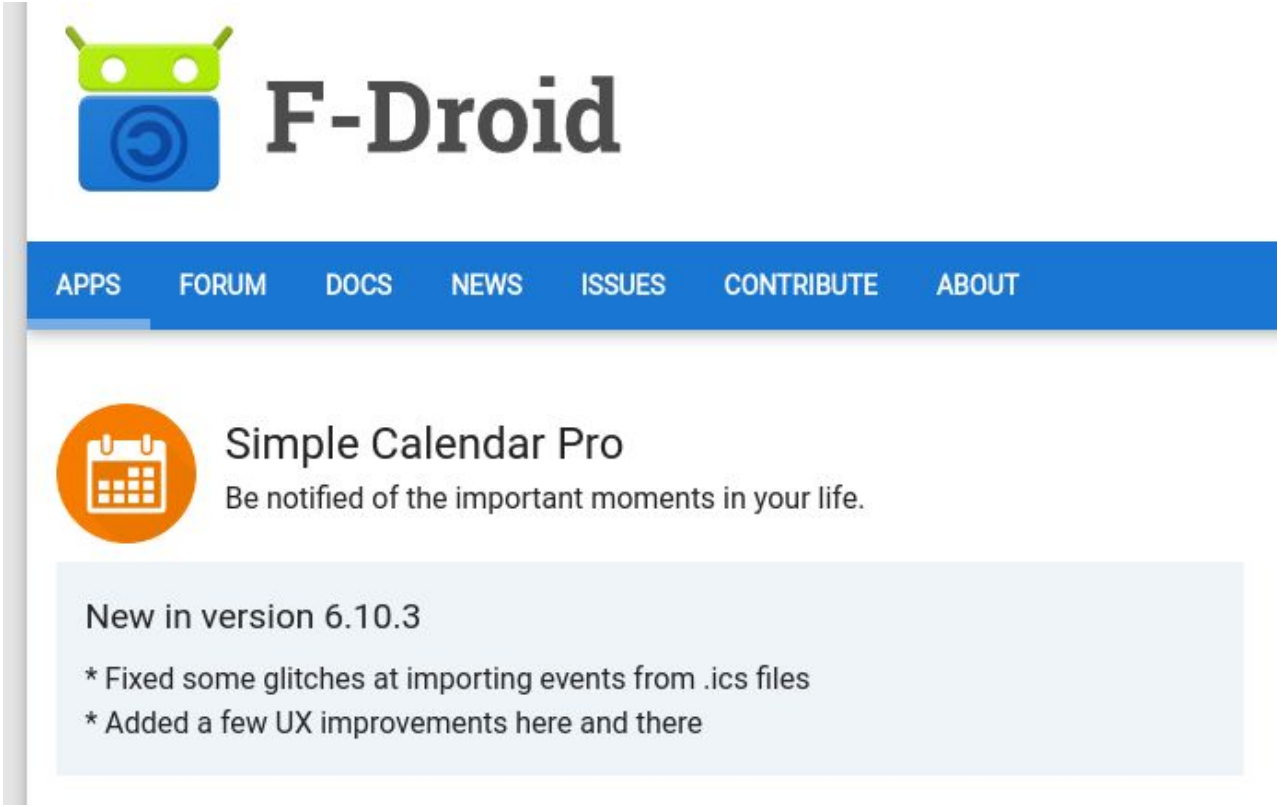
Calendar, Contacts, Tasks server & sync: EteSync



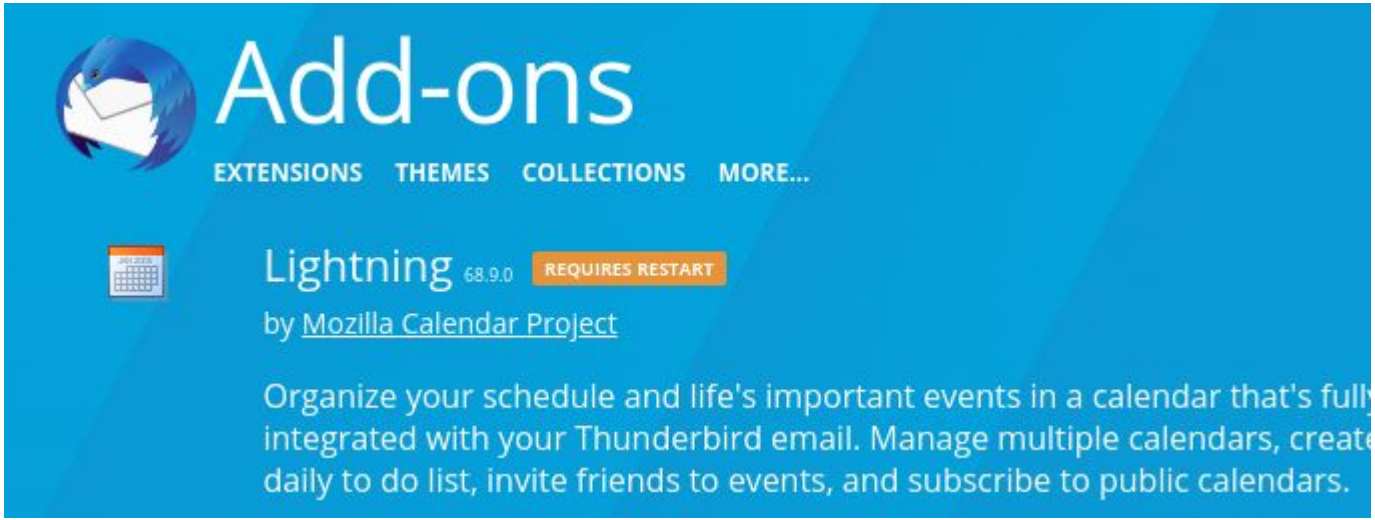
Android contacts client: Simple Contacts



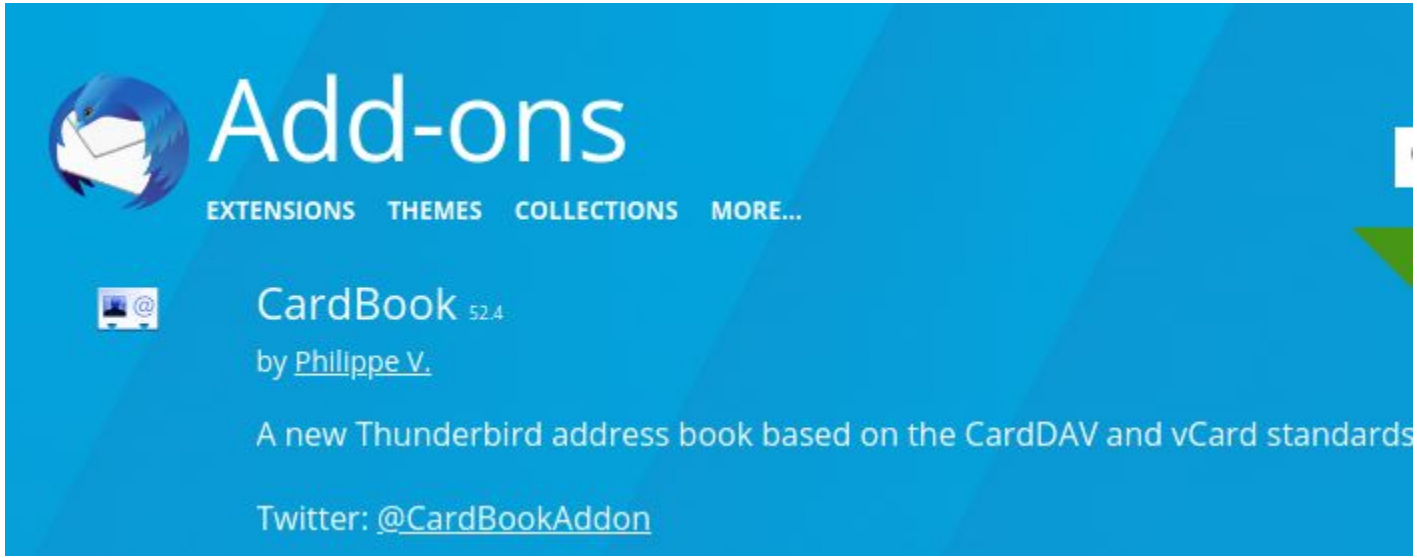
Android calendar client: Simple Calendar



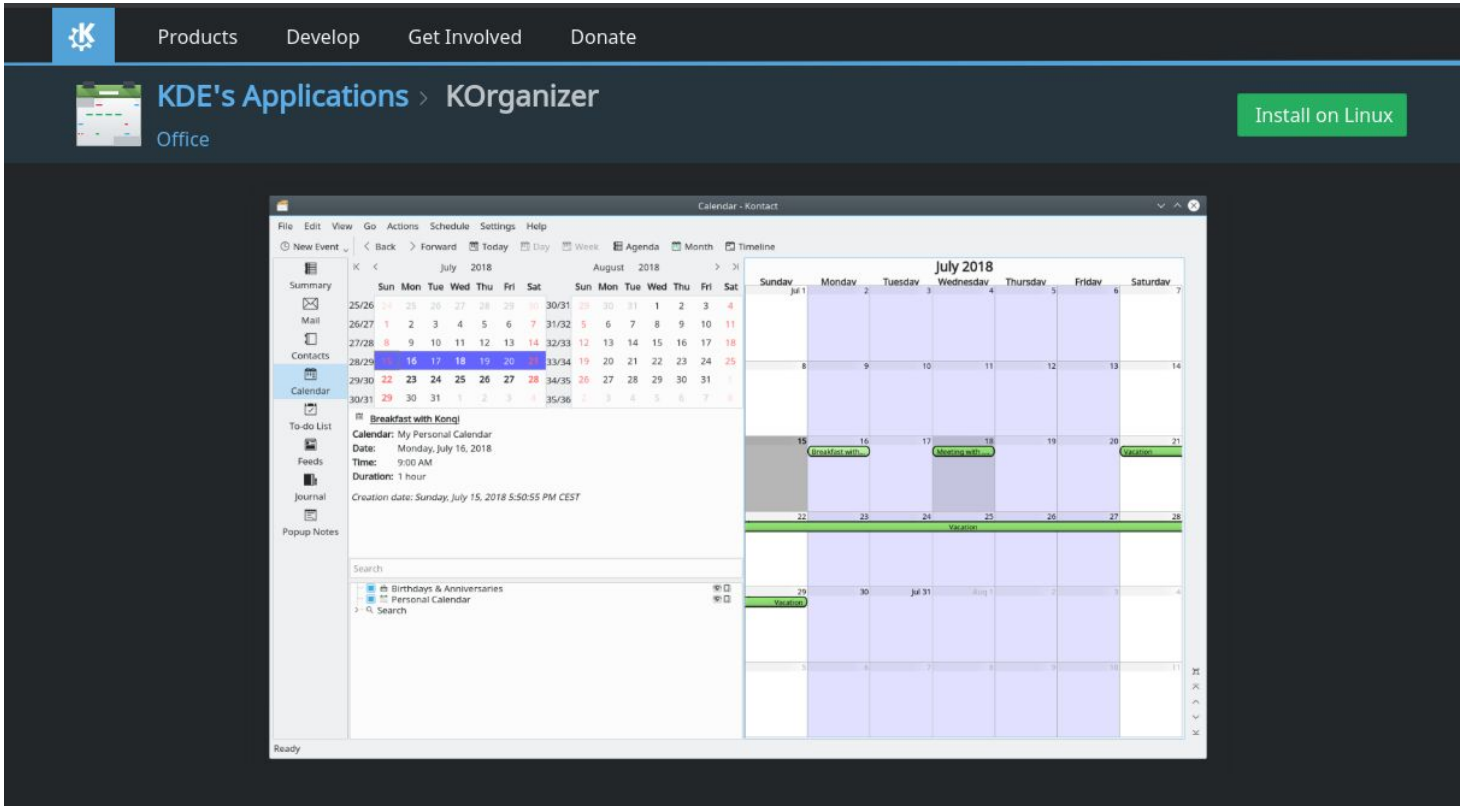
Linux calendar client: Lightning (Thunderbird)



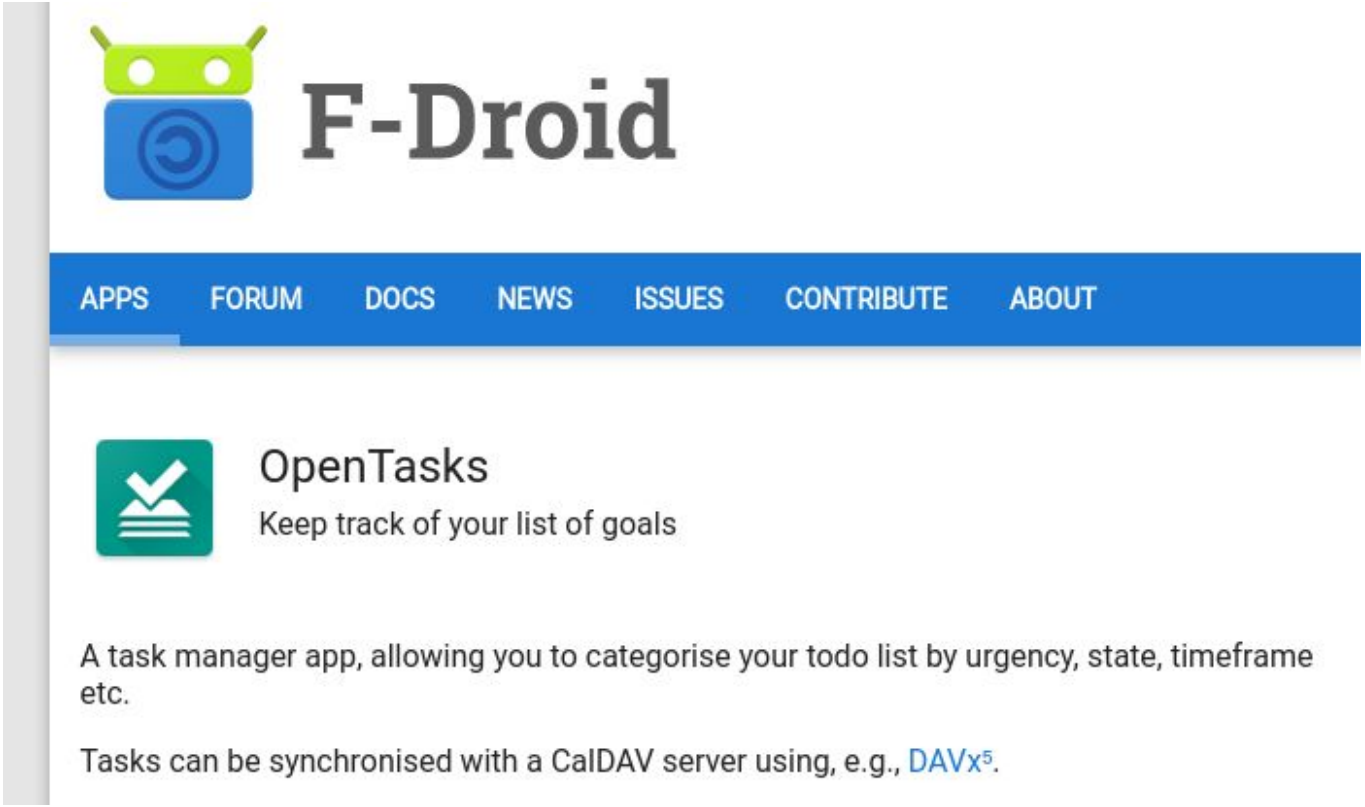
Linux calendar client: CardBook (Thunderbird)



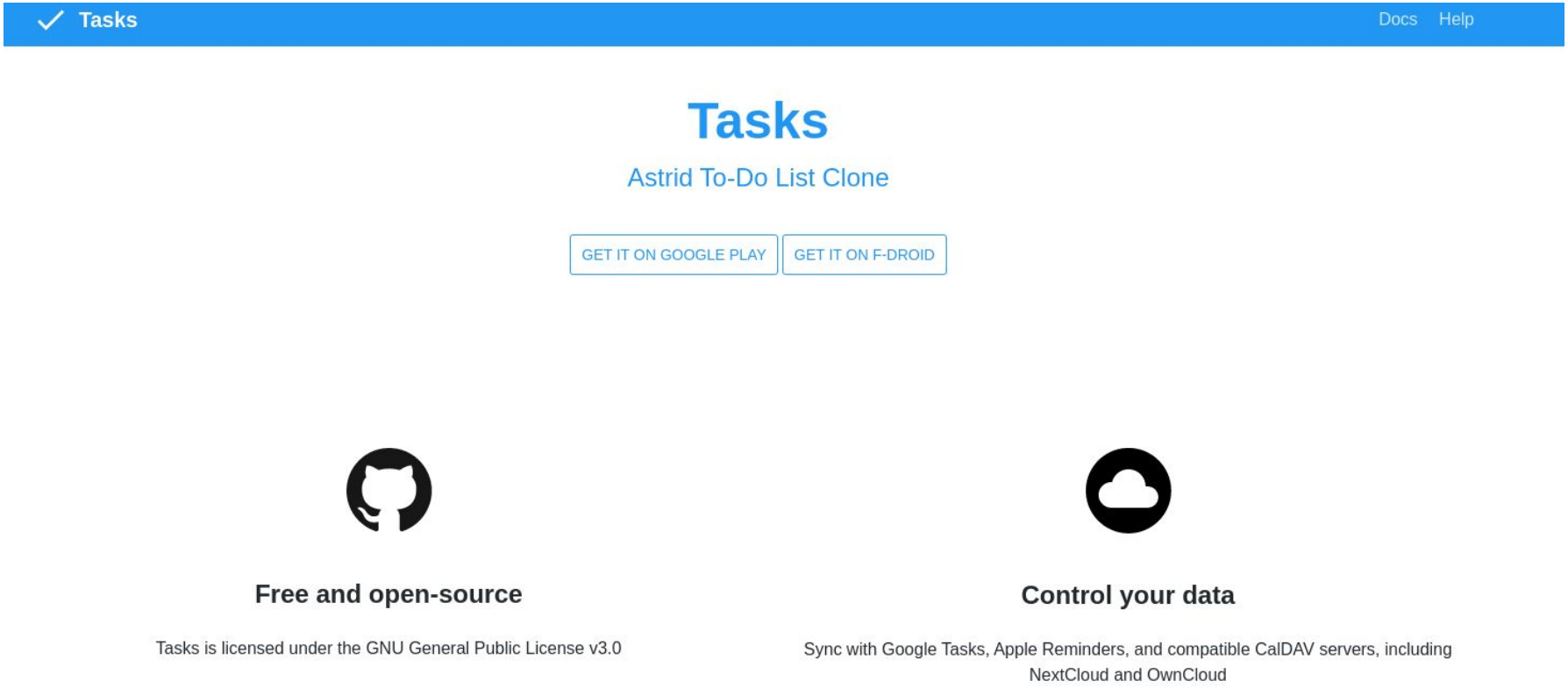
Linux tasks client: KOrganiser



Android tasks client: OpenTasks



Android tasks client: Tasks.org



https://github.com/tasks/tasks/issues/984

Encrypted Google Docs: Mailbox.org Office

mailbox.org

Sign up Login DE EN

Services Security Support Company Blog & News

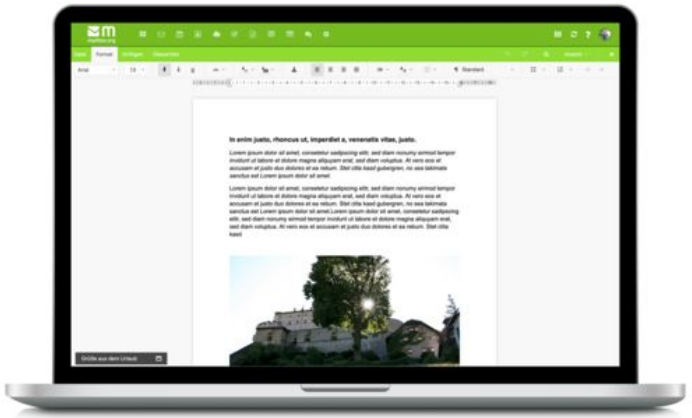
Your mobile office suite

Create, edit, and send MS Word and OpenOffice documents. No matter where you are in the world: You've always got your virtual desk with you, and thanks to seamless integration with our web-mail client, you won't even notice you're away from your usual home or work base.

Texts, Spreadsheets and Presentations:
Creating, editing, and sending of documents – conveniently in your web-browser.

File sharing:
Make documents available for downloading via web link.

An office for at home and on the road:
Use your web-browser or the Drive-client to securely access your data.



Linux password manager: KeePassXC

Data loss when database file changes without Yubikey available #5290

Open **droidmonkey** opened this issue on 18 Aug · 2 comments

droidmonkey commented on 18 Aug — Member

I was thinking of filing a new issue but maybe this is the same problem. I incur data loss on sync, silently, which is very very critical. Steps:

1. Encrypt database with master password + Yubikey.
2. Sync via a cloud provider and open same database from two machines.
3. Modify database on machine A and save it. Let cloud sync client sync the new file.
4. KeePassXC on machine B will detect the file update, and try to reload the database.
5. Machine B will fail doing so, because the Yubikey is not inserted. Instead of displaying an error message or prompting for Yubikey entry, KeePass will ignore the new database update and will include a "*" character in its status bar, prompting the user to save unsaved changes (of which there are none). These unsaved changes is actually the older version of the database, and once a user saves this then boom, the new modifications from machine A are wiped out. Ouch.
6. Repeat 1-5 but with Yubikey inserted in machine B when it receives the new database update, the program prompts me to press my Yubikey button (I've configured it so), and reloads the database as expected. New updates are visible.

Fix directions: this is a critical issue, so I think that two steps are necessary:
1- when saving unsaved changes, KeePassXC should check if the current database file does not include new entries or updates, in which case it should require user authorisation or merge the changes. This is the behaviour of Keepass2Android
2- when reloading an updated database file, fail HARD if the file could not be loaded, and force the user to provide a decryption mechanism.

*Originally posted by **@Zvezdin** in #5284 (comment)*

Assignees

droidmonkey

Labels

high priority

Milestone

v2.7.0

Linked pull reque

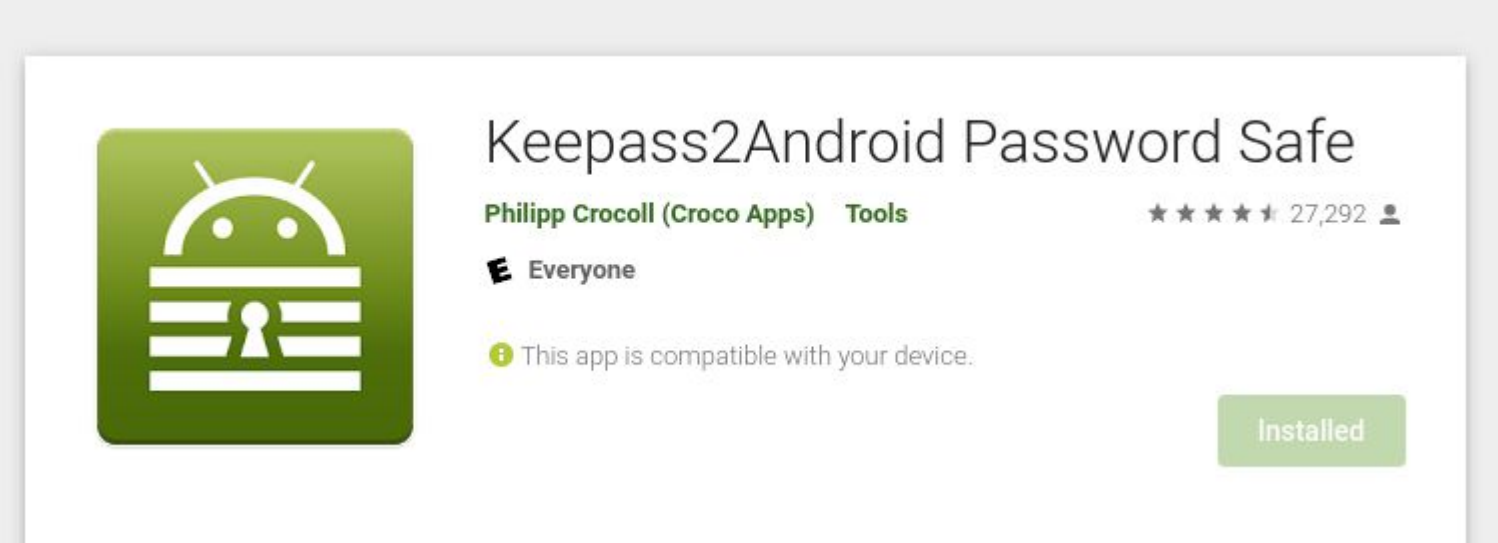
Successfully mergi
issue.

None yet

Notifications

You're receiving no
mentioned.

Android password manager: Keepass2Android



F-Droid

APPS FORUM DOCS NEWS ISSUES CONTRIBUTE ABOUT

ykDroid

YubiKey challenge-response USB and NFC driver

ykDroid is a USB and NFC driver for Android that exposes the challenge-response feature of YubiKeys for use by other Android apps. Both USB and NFC (YubiKey NEO required for NFC) are supported on compatible devices.

Apps supporting it include e.g. Keepass2Android and ykpass.

iOS password manager: Strongbox

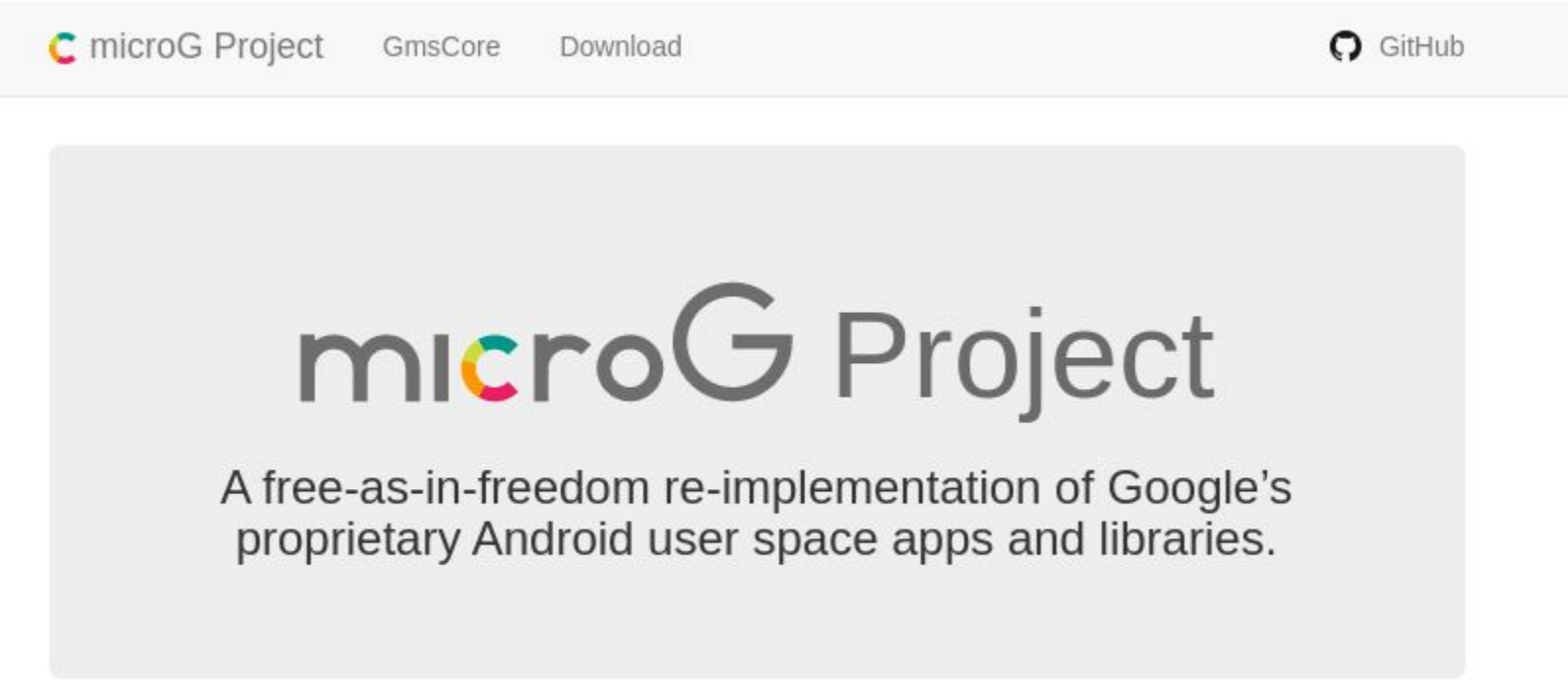
README.md

Strongbox

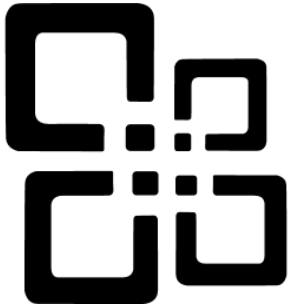
A Personal Password Manager for iOS & OSX that can be found on the Apple App Store here:

https://apps.apple.com/app/strongbox-password-safe/id897283731

Honorable mention: MicroG



What about the rest?



Office docs

Photo albums

Project files

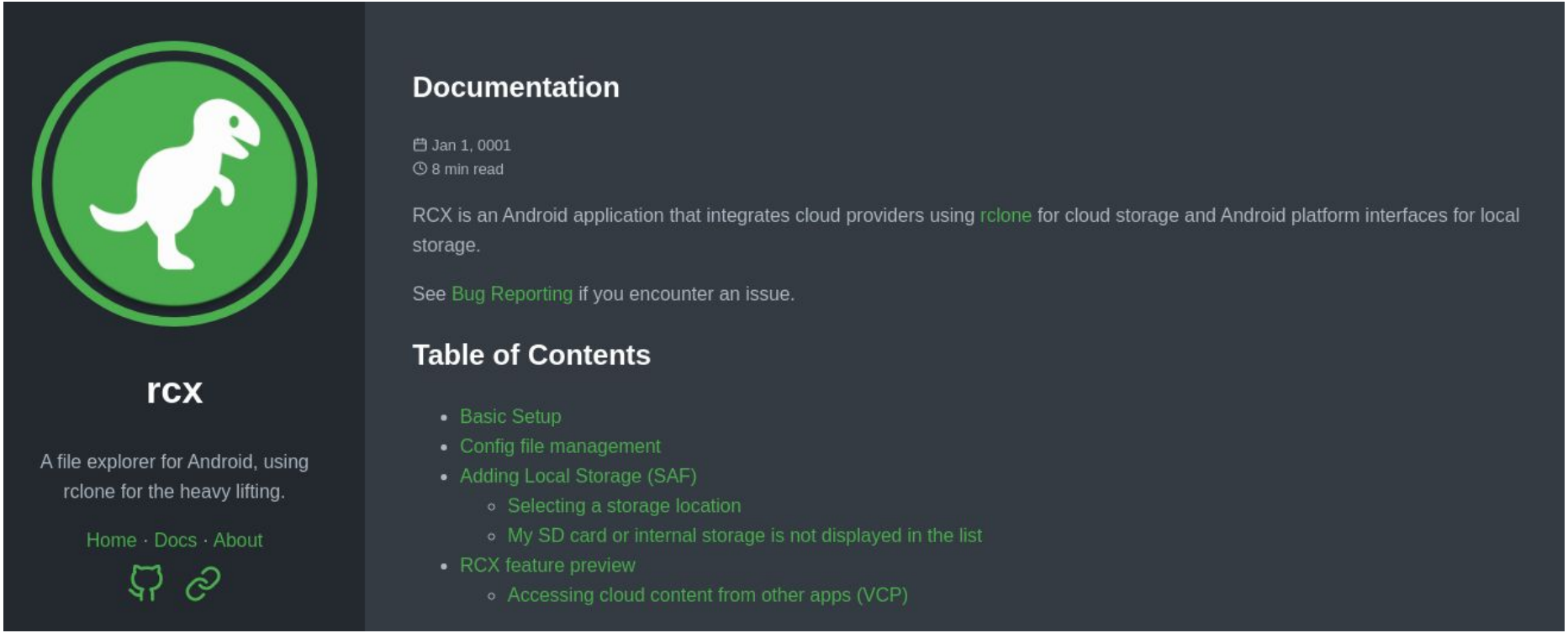
Desktop cloud syncing: Rclone

Rclone syncs your files to cloud storage

- About rclone
- What can rclone do for you?
- What features does rclone have?
- What providers does rclone support?
- Download
- Install

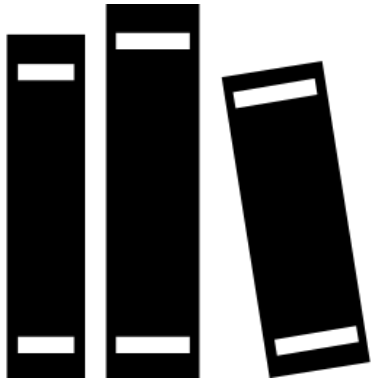
About rclone

Android cloud syncing: RCX

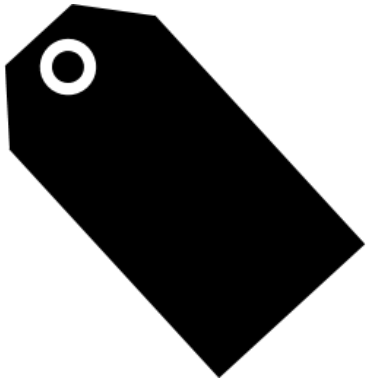


All-in-one storage?

My storage system philosophy



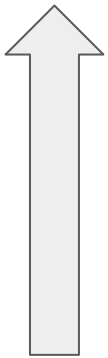
Resource



Tags

Efficient tag search

A semi-efficient folder structure



- Events
  - Some hackathon
    - Documents
    - Photos
    - Projects
- Documents
- Photos

What about online resources?

```
<html><head>
<meta http-equiv="refresh" content="0;URL='http://example.org'" />
</head></html>
```

Alternative fs??

Tags, inheritance, heirarchy

Thank you!

Email: me@zvezd.in

Github: zvezdin

Website: https://zvezd.in (WIP)

Slides: https://zvezd.in/archconf.pdf