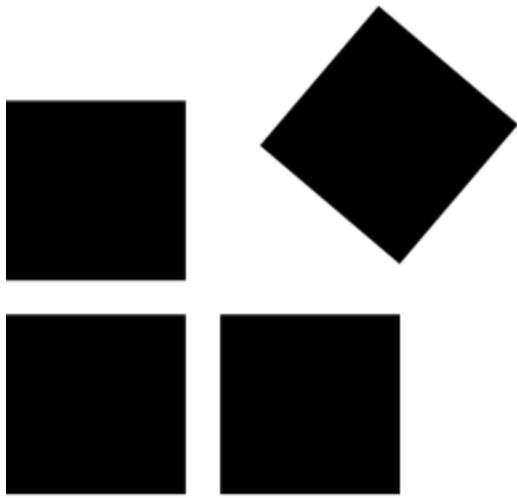
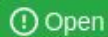


How to organise your digital life in a privacy-preserving, machine-agnostic, and practical manner

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

high priority



Practical



Talk points

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

IMAP + OpenPGP

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](#)

Data Centre
in Germany



Testimonials

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

Free
30-day
trial →

Linux client: Thunderbird



Android client: FairEmail



F-Droid

[APPS](#)[FORUM](#)[DOCS](#)[NEWS](#)[ISSUES](#)[CONTRIBUTE](#)[ABOUT](#)

FairEmail

Fully featured email client. Neat, intuitive user interface. Privacy friendly

FairEmail is easy to setup and works with virtually all email providers, including Gmail, Outlook and Yahoo!

Android PGP keychain: OpenKeychain



F-Droid

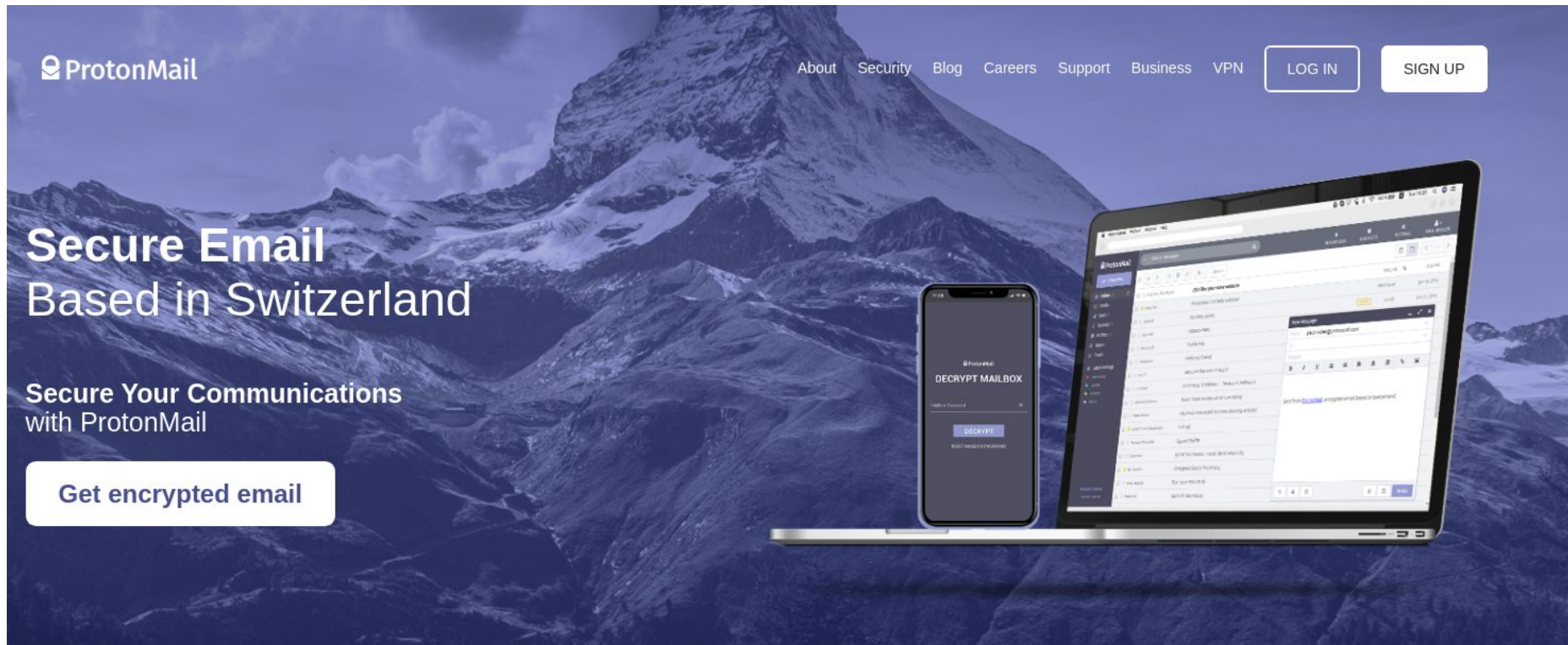
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OpenKeychain


Encrypt your Files and Communications. Compatible with the OpenPGP Standard.

OpenKeychain helps you communicate more privately and securely. It uses encryption to ensure that your messages can be read only by the people you send them to, others can send you messages that only you can read, and these messages can be digitally signed so the people getting them are sure who sent them. OpenKeychain is based on the well

Honorable mention: Protonmail



Calendar, Contacts, Tasks server & sync: EteSync

 **EteSync**

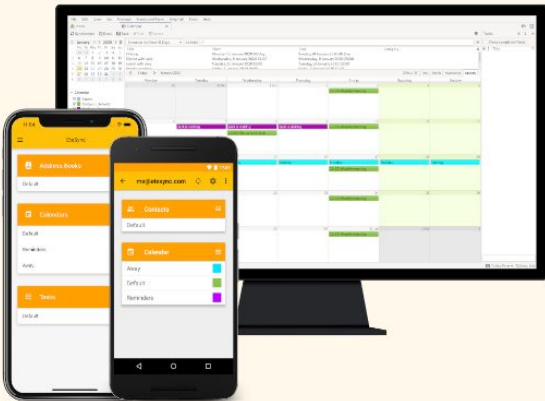
[Contribute](#) [FAQ](#) [Blog](#) [User Guide](#) [Pricing](#) [Contact](#) [Log In](#) [Sign Up](#)


Your Data, Yours Only.


Secure, end-to-end encrypted, and privacy respecting sync for your contacts, calendars and tasks.


Easy to use and open source - it seamlessly integrates with your existing apps so you won't even notice you are using it!


[Sign up](#) now for a free trial!



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Google Play

 GET IT ON
F-Droid

 Download on the
App Store

 TRY THE **BETA**
Web App

Android contacts client: Simple Contacts



F-Droid

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Simple Contacts Pro

A premium app for contact management with no ads, supports groups and favorites

New in version 6.13.0

- * Fixed search with non UTF characters
- * Added many smaller translation and UX improvements

Android calendar client: Simple Calendar



F-Droid

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Simple Calendar Pro

Be notified of the important moments in your life.

New in version 6.10.3


- * Fixed some glitches at importing events from .ics files
- * Added a few UX improvements here and there

Linux calendar client: Lightning (Thunderbird)



Add-ons

EXTENSIONS THEMES COLLECTIONS MORE...



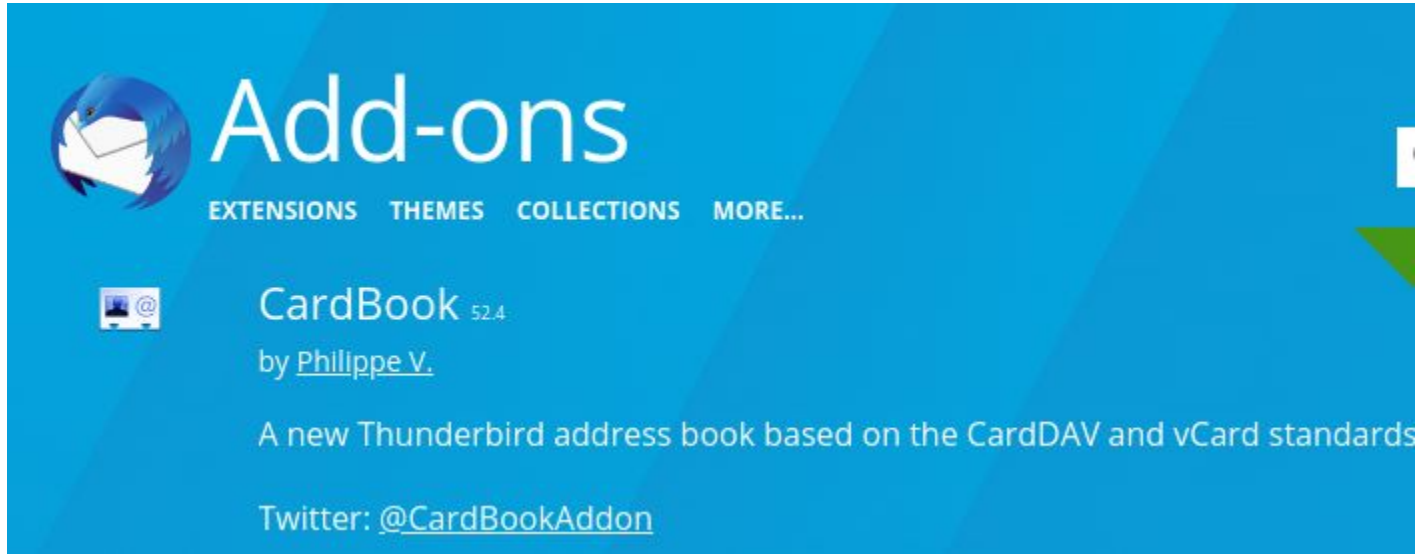
Lightning 68.9.0

REQUIRES RESTART


by [Mozilla Calendar Project](#)

Organize your schedule and life's important events in a calendar that's fully integrated with your Thunderbird email. Manage multiple calendars, create daily to do list, invite friends to events, and subscribe to public calendars.


Linux calendar client: CardBook (Thunderbird)



The image shows a screenshot of the Thunderbird Add-ons page for the CardBook extension. The background is a solid blue color. On the left, there is a circular icon featuring a blue bird (the Thunderbird logo) holding a white envelope. To the right of this icon, the word "Add-ons" is written in a large, white, sans-serif font. Below "Add-ons", there are four smaller, white, sans-serif links: "EXTENSIONS", "THEMES", "COLLECTIONS", and "MORE...". Further down, on the left, is a small icon of a computer monitor with a calendar and a person icon on it. To the right of this icon, the text "CardBook" is displayed in a white, sans-serif font, followed by the version number "52.4" in a smaller font. Below this, the text "by [Philippe V.](#)" is shown in a white, sans-serif font. Further down, a description of the extension is provided: "A new Thunderbird address book based on the CardDAV and vCard standards". At the bottom, the text "Twitter: [@CardBookAddon](#)" is displayed in a white, sans-serif font.

 Add-ons

EXTENSIONS THEMES COLLECTIONS MORE...


 CardBook 52.4


by [Philippe V.](#)

A new Thunderbird address book based on the CardDAV and vCard standards

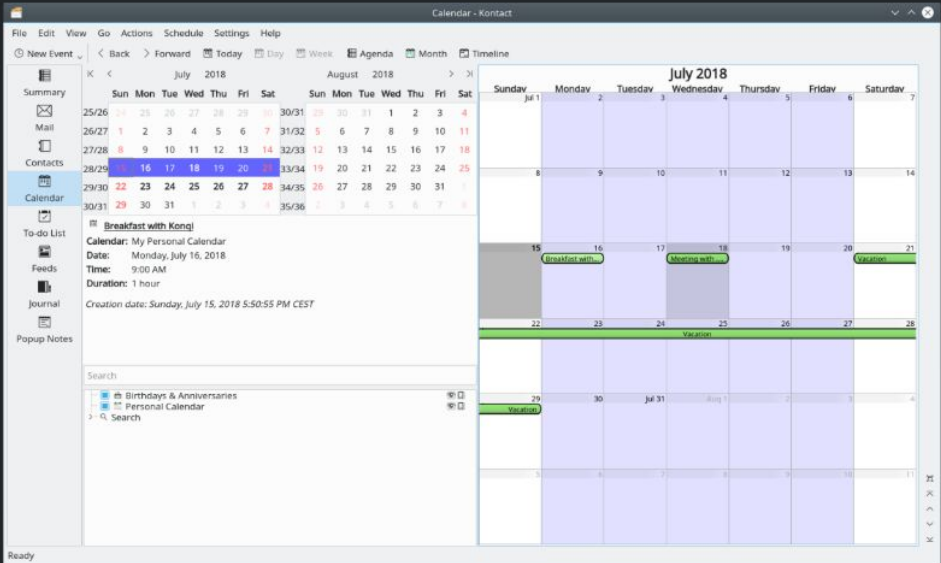
Twitter: [@CardBookAddon](#)

Linux tasks client: KOrganiser

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 [KDE's Applications](#) > **KOrganizer**
[Office](#)

[Install on Linux](#)



Android tasks client: OpenTasks



F-Droid

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OpenTasks

Keep track of your list of goals

A task manager app, allowing you to categorise your todo list by urgency, state, timeframe etc.

Tasks can be synchronised with a CalDAV server using, e.g., [DAVx5](#).

Android tasks client: Tasks.org



Tasks

[Docs](#) [Help](#)

Tasks

Astrid To-Do List Clone

GET IT ON GOOGLE PLAY

GET IT ON F-DROID



Free and open-source

Tasks is licensed under the GNU General Public License v3.0



Control your data

Sync with Google Tasks, Apple Reminders, and compatible CalDAV servers, including NextCloud and OwnCloud

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

Encrypted Google Docs: Mailbox.org Office

[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:

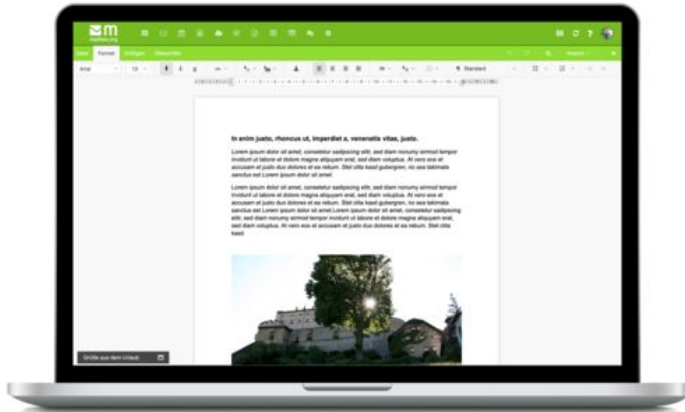
Creating, editing, and sending of documents – conveniently in your web-browser.

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



KeePassXC

 The Project

 Screenshots

 Download

 Blog

 Docs / FAQ

 The Team



KeePassXC

KeePass Cross-Platform Community Edition

The thing computers can do best is storing information.

You shouldn't waste your time trying to remember and type your passwords.

KeePassXC can store your passwords safely and auto-type them into your everyday websites and applications.



Download for Linux



Learn More



Donate

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 request

Successfully merged issue.

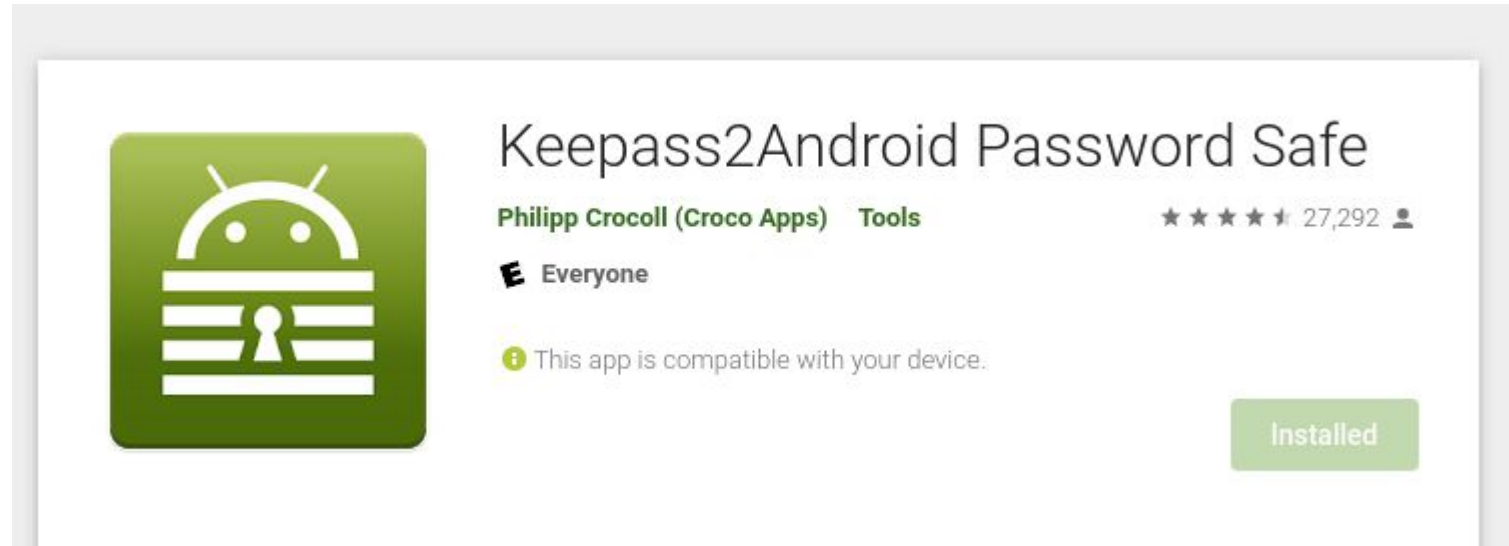
None yet

Notifications



You're receiving no mentioned.

Android password manager: Keepass2Android





F-Droid

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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



microG Project

GmsCore

Download

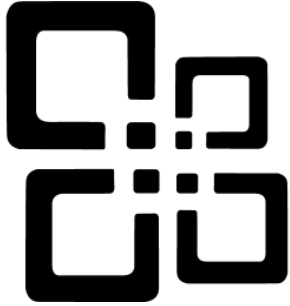


GitHub

microG Project

A free-as-in-freedom re-implementation of Google's proprietary Android user space apps and libraries.

What about the rest?



Office docs

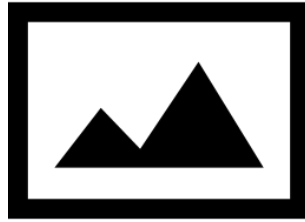


Photo albums



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



rcx

A file explorer for Android, using
rclone for the heavy lifting.

[Home](#) · [Docs](#) · [About](#)



Documentation

📅 Jan 1, 0001

🕒 8 min read

RCX is an Android application that integrates cloud providers using [rclone](#) for cloud storage and Android platform interfaces for local storage.

See [Bug Reporting](#) if you encounter an issue.

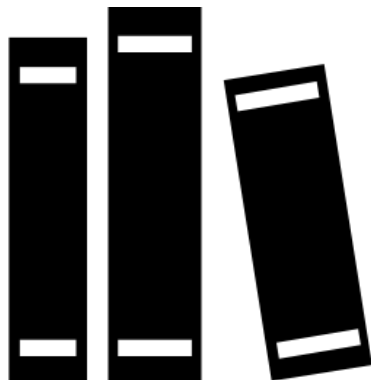
Table of Contents

- [Basic Setup](#)
- [Config file management](#)
- [Adding Local Storage \(SAF\)](#)
 - [Selecting a storage location](#)
 - [My SD card or internal storage is not displayed in the list](#)
- [RCX feature preview](#)
 - [Accessing cloud content from other apps \(VCP\)](#)

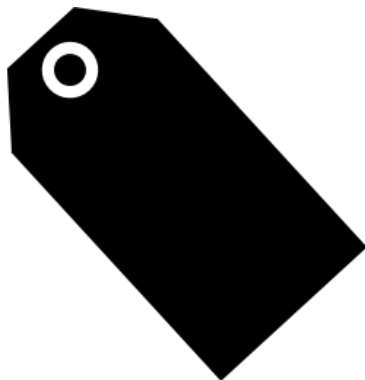
All-in-one storage?



My storage system philosophy



Resource

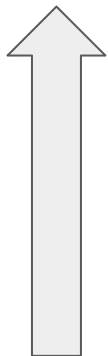


Tags



**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>