



data-bag.org

cloud-free file sync & backup



Dangers of the cloud storage

- Cloud storage services abound & free, but
- Can you trust them?
 - not to harvest & analyze
 - not to sell or share
 - not to leak
- your
 - financial documents
 - health records
 - other private files?



Sensitive records: requirements

- Security and control
- Reliable storage
- Simple access procedures
- Safety net against
 - equipment failures
 - human errors (including those discovered late)
 - haste and confusion



Technical goals for data-bag

- Open-source: transparency, flexibility, reuse
- Portable
 - store and recover files on most machines
 - no need to install, run from the medium if needed
- Efficient
 - works with small media:
 - flash cards, USB sticks
 - no need for frequent purges
- Fast



data-bag now

- A Java application
 - runs from a single ~1.5Mb .jar file
 - runs anywhere with a Java runtime
 - supports OpenJDK
- Command-line interface
- Set up once, sync quickly
- Recovery, undo, conflict resolution
- Storage (*bag*) compression & encryption



data-bag in action

- See yourself at www.data-bag.org
- Download the binary by clicking **Download**
- Install Java SDK & Apache ANT to build from source
 - `sudo apt-get install openjdk-6-jdk ant`
 - *- or -*
 - `http://java.oracle.com/`
 - `http://ant.apache.org/`
- Read `doc/manual.md` or `doc/manual.html` for instructions



data-bag is free

- Project's code is covered by
 - GNU Affero GPL v.3 with amendments
- Code reused from Apache ANT is covered by Apache License v.2.0
- Libraries are covered by
 - Commons: Apache License v.2.0
 - H2: Eclipse Public License v.1.0



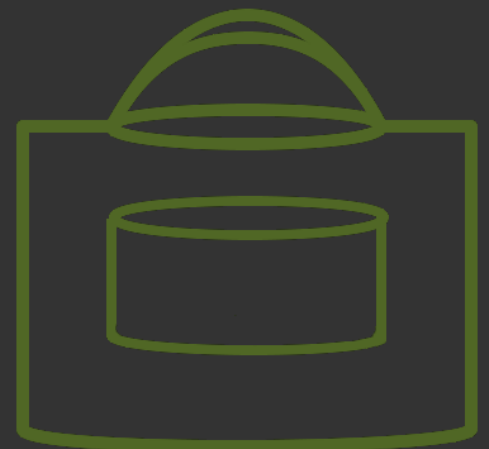
The future of data-bag

- rsync integration: sync and store on a server
- web-interface: easier to use, server access, mobile-ready
- Android port?
- core improvements:
 - selectivity
 - digests vs. dates
 - renaming/moving files; etc.
- testing and documentation



data-bag and you

- You are welcome to use it
- Your feedback matters
- Skills you can contribute:
 - algorithms & data mgmt. with Java & SQL (core)
 - build a web-interface in Java (web)
 - reading and writing C/C++ with Linux runtime (rsync)
 - building Android apps with native GUI
- Dual-license contributions: AGPL & Apache



Contacting the data-bag team

- Download at www.data-bag.org
- Join <https://github.com/data-bag/code>
- Check out www.livitski.name
- E-mail [data-bag at livitski dot name](mailto:data-bag@livitski.name)
- Ask questions now and later

Thank you!

Stan.

