

# ownCloud

## Semester project for A4M35OSP



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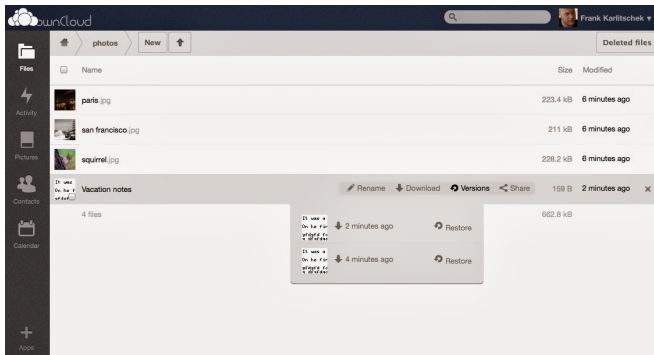
# OWNCLOUD – WHY SHOULD YOU CARE?



- ▶ founded in January 2014
- ▶ open-source cloud solution for individuals and companies
  - ▶ AGPLv3 and some parts under GPLv2
- ▶ alternative to Dropbox and most of Google Apps
- ▶ **standard-friendly**: CalDAV, CardDAV, WebDAV, Ampache
- ▶ can be run on-premise (but hosted solutions exist)
- ▶ highly extensible – store with additional apps available

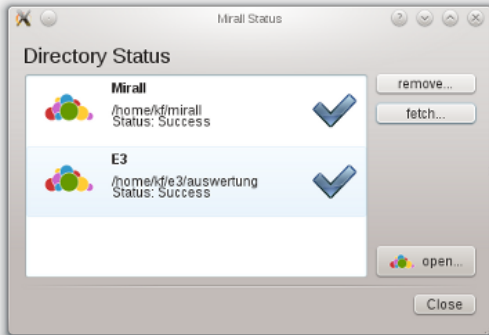
# WEB APP

- ▶ file access (versioning, recovery, sharing)
- ▶ photo gallery + music/video player
- ▶ calendar, contacts, RSS, bookmarks, text editor, ...



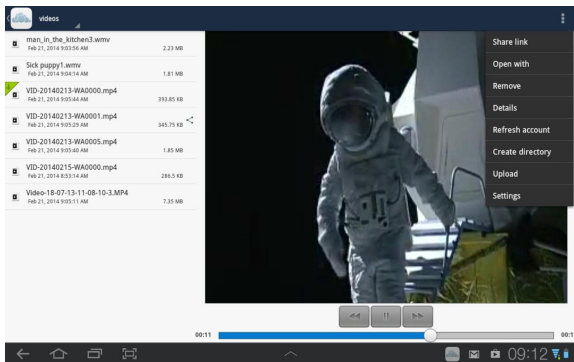
# DESKTOP CLIENT

- ▶ Dropbox-like desktop sync client
- ▶ Linux, MacOS, Windows



# MOBILE APPS

- ▶ allows access to the files
- ▶ very similar to Dropbox mobile app
- ▶ Android and iOS version



# PLATFORM AND PROGRAMMING LANGUAGES

- ▶ server infrastructure
  - ▶ language: **PHP** and **Javascript**
  - ▶ databases: SQLite, MariaDB, Oracle, PostgreSQL
- ▶ web apps: **PHP** and **Javascript** (heavy use of AJAX)
- ▶ desktop client: **C++** and **Qt**
- ▶ mobile apps: native languages → **ObjectiveC** and **Java**



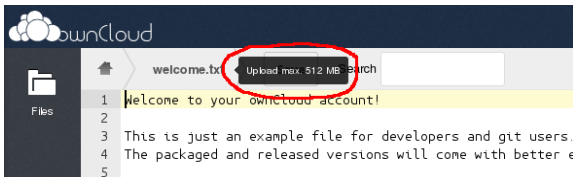
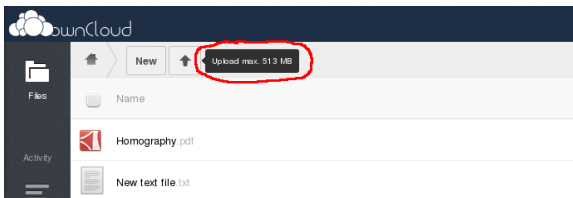
# PROJECT ORGANISATION

- ▶ 29 core contributors (performing code review)
- ▶ everything runs on GitHub
- ▶ development under patronage of ownCloud Inc.
- ▶ repositories: **core**, **apps** + repos for clients and apps
- ▶ communication channels: IRC, forums, mailing list
- ▶ contribution and design guidelines specified
- ▶ **development process**: fork the repository then pull request
  - ▶ bug fixes go directly to **master**
  - ▶ new feature must be developed in **separate branch**
  - ▶ every commit is tested and inspected by a bot
- ▶ a Contributor Agreement needed (for core and clients)
- ▶ traditional versioning (major and minor releases)



# CHOSEN TASK

- ▶ a bugfix in **core** – web app
- ▶ tooltip *“Upload max. 512MB”* covers the progress bar
- ▶ stays in DOM even after opening any editor





Thank you for your attention.

- ▶ Any questions?

