ownCloud
Semester project for A4M35OSP

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Open Informatics
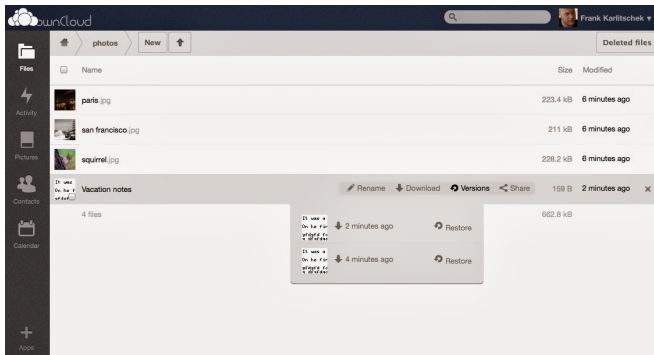Faculty of Electrical Engineering
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OWNCLOUD – WHY SHOULD YOU CARE?

- ▶ 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)
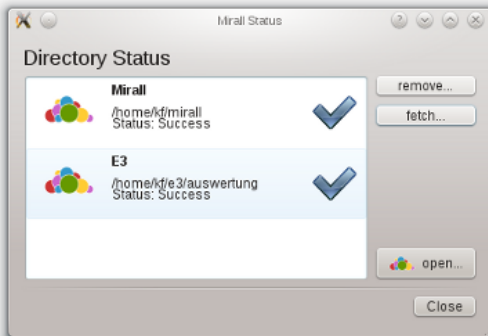- ▶ highly extensible – store with additional apps available

WEB APP

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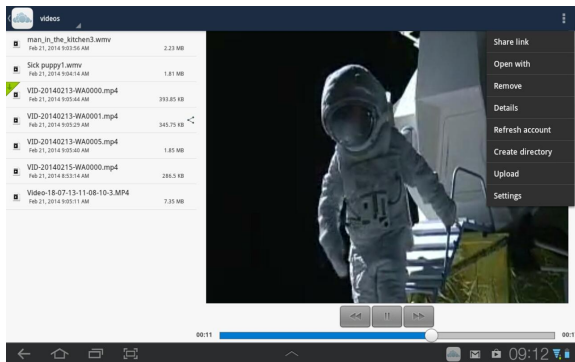- ▶ calendar, contacts, RSS, bookmarks, text editor, ...

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
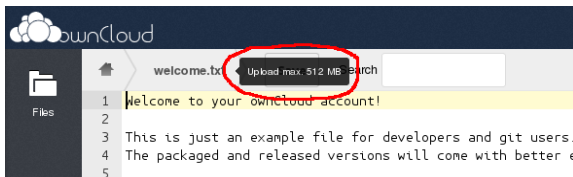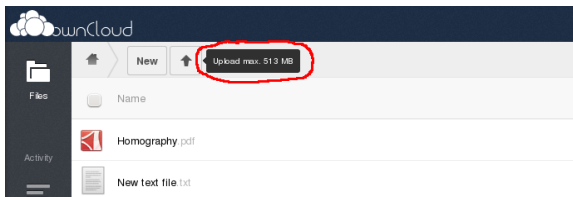- mobile apps: native languages → ObjectiveC and Java

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?