

ownCloud

Your Cloud, Your Data, Your way!

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Founder / CTO



Agenda

- The Problem
- Requirements for a solution
- ownCloud
- Surprise
- Discussion

The Problem

Current IT Trends:

- Tablet
- Smart Phones
- Internet access in cars, TV sets, coffee machines, ...
- **Sharing** mentality
- Working **across** company borders
- Bring your **OWN** device

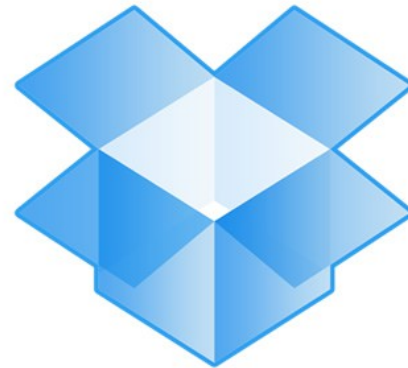
In the **future** all our data will be stored on a networked **cloud server**. Our **documents**, **photos**, **contacts**, **calendars**, **bookmarks**, our **location**, our **past location**, our **friends** **Networks**, the **websites** we access, the **books** we read, the **music** we listen too,

Who is using:

Google



iCloud



Dropbox

The Problem:

- Unclear Data Storage **Location**
- Access Policies
- No Single Sign On
- No **Backup** Strategy Integration
- Unclear **Archiving Policy**
- Critical pricing
- Vendor **lock-in**

Data Silos

My requirements for a solution:

1. All my data under my control

2. Access from everywhere and every device

- Work Desktop
- Notebook
- Netbook
- Smartphone
- Tablet
- IVI in the future

3. online/offline

4. automatic backup

5. versioning

6. encryption

7. easy sharing

8. Easy extend storage

9. Customization

10. More than files

Usecase:

I'm working on an important document

Always **accessible** from everywhere

No more **COPY** around usb devices

Completely **secure**

All changes are **versioned** and **backup**ed.

Usecase:

Send a customer a read only **link** to an important **big** document

Usecase:

Create a **shared folder** between partner companies to work **together** on a project


2013 and still
difficult




ownCloud

Access

- Web Interface (Desktop, Mobile, Tablet)
- Mount via open protocols
- Works on Mac, Win, Linux
- Desktop Syncing Client
- Android / iOS clients
- Open APIs





Files


Music

Contacts


Calendar










Gallery

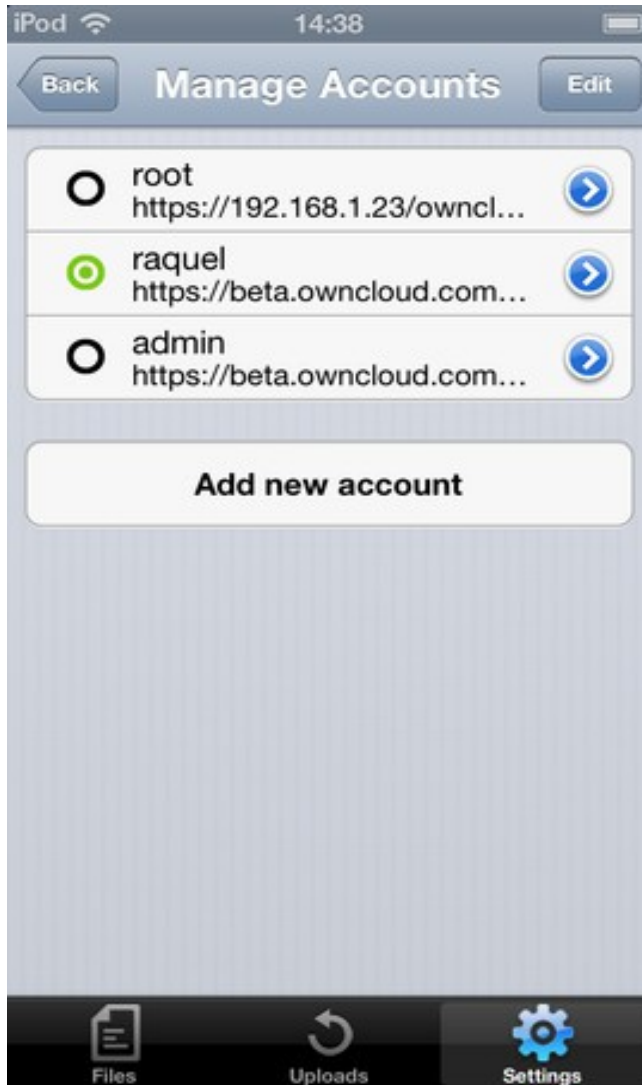
Bookmarks



New



Name	Size	Modified
 MusicAlbums	70.6	seconds ago
 Shared	0	years ago
 Demo Code – inventwithpython.com	< 0.1	seconds ago
 Demo Code – ownCloud-index	< 0.1	seconds ago
 Demo Image – Laser Towards Milky Ways Centre	0.3	seconds ago
 Demo Image – Northern Lights	0.2	seconds ago
 Demo MP3 – E.J. Blick Zurück	2.9	seconds ago
 Demo PDF – Lewis Carroll – Alice's Adventures in Wonderland	0.2	seconds ago
 Demo Text – ownCloud	< 0.1	seconds ago





Directory Integration

- LDAP
- Active Directory
- SAML / OAuth (soon)
- Group Policies
- Account Locking
- Guest Accounts

Backup

- Automatic replication on second server
- Integration with Backup Infrastructure
- Exporting / Importing

Versioning

- Old versions of files
- Undelete

Encryption

- AES
- Server Side Encryption
- Client Side Encryption (soon)

Sharing

- Files / Directory
- Read / Write
- External / Internal
- Expire

Notifications

- On Sharing
- On Create / Update / Modify
- Email
- Desktop Push
- Mobile Push (soon)

More than files

- Calendar
- Contacts
- Bookmarks
- Music
- Photos
- Todos
- Notes (soon)
- Presentations (soon)
- More Application

Installable on own Infrastructure

Architecture

Your Data from **any storage** ...



... available on **all devices!**



Integration

1. Storage Backends
2. Authentication
3. Custom Apps
4. Custom Themes
5. Custom Clients

Example Scenario

1. Install ownCloud in your network on a Linux/Windows/Mac Server
2. Connect with an existing fileserver
3. Connect with an existing directory
4. Connect ownCloud Server to the Internet
5. Use: Sync, Share, Versioning, Encryption, Mobile Access, Web Interface, Global Search and more

Open Source

Commercial Support

Open Source

- Founded 2010 by Frank Karlitschek
- AGPL
- Currently over 80 core contributors
- Over 70 commits per day
- 48 languages

ownCloud Inc.

- ownCloud for Enterprises
- Founded end of 2011
- Founders are Markus, Rex, Holger Dyroff, Frank Karlitschek
- Based in Boston, USA
- over 30 employees
- Service / Support for ownCloud
- AGPL / proprietary license

Demo

demo.owncloud.org

Surprise

ownCloud 5

OwnCloud 5

- Quality
- Performance
- Security
- New Design
- Restore Deleted Files
- Full Text Search
- Anti Virus
- New filesystem layer
- ...

Download at <http://ownCloud.org>



Contribute / Integrate

Open Standards

- File Access: WebDAV
- Key / Value: REST
- Open Collaboration Services (REST)
- Attica (Qt)
- CLI client / library

ownCloud applications

- App template: github.com/owncloud/apps/tree/master/apptemplate
- Repository: github.com/owncloud
- AppStore: apps.owncloud.com

More information

More information online:

- ownCloud.org
- ownCloud.com
- Products: ownCloud.com/overview
- Partner program ownCloud.com/partners

Social media:

- facebook.com/owncloud
- twitter.com/owncloudcom

Newsletter

- ownCloud.com
- info@ownCloud.com



Terms of service

Terms of service

ownCloud terms of service:

Whatever You Want!

Thank you.



Questions?