



I have one  
important  
announcement.....

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[openDesktop.org](https://opendesktop.org)

[KDE-Look.org](https://kde-look.org)

[KDE-Apps.org](https://kde-apps.org)

Social Desktop

Open-PC

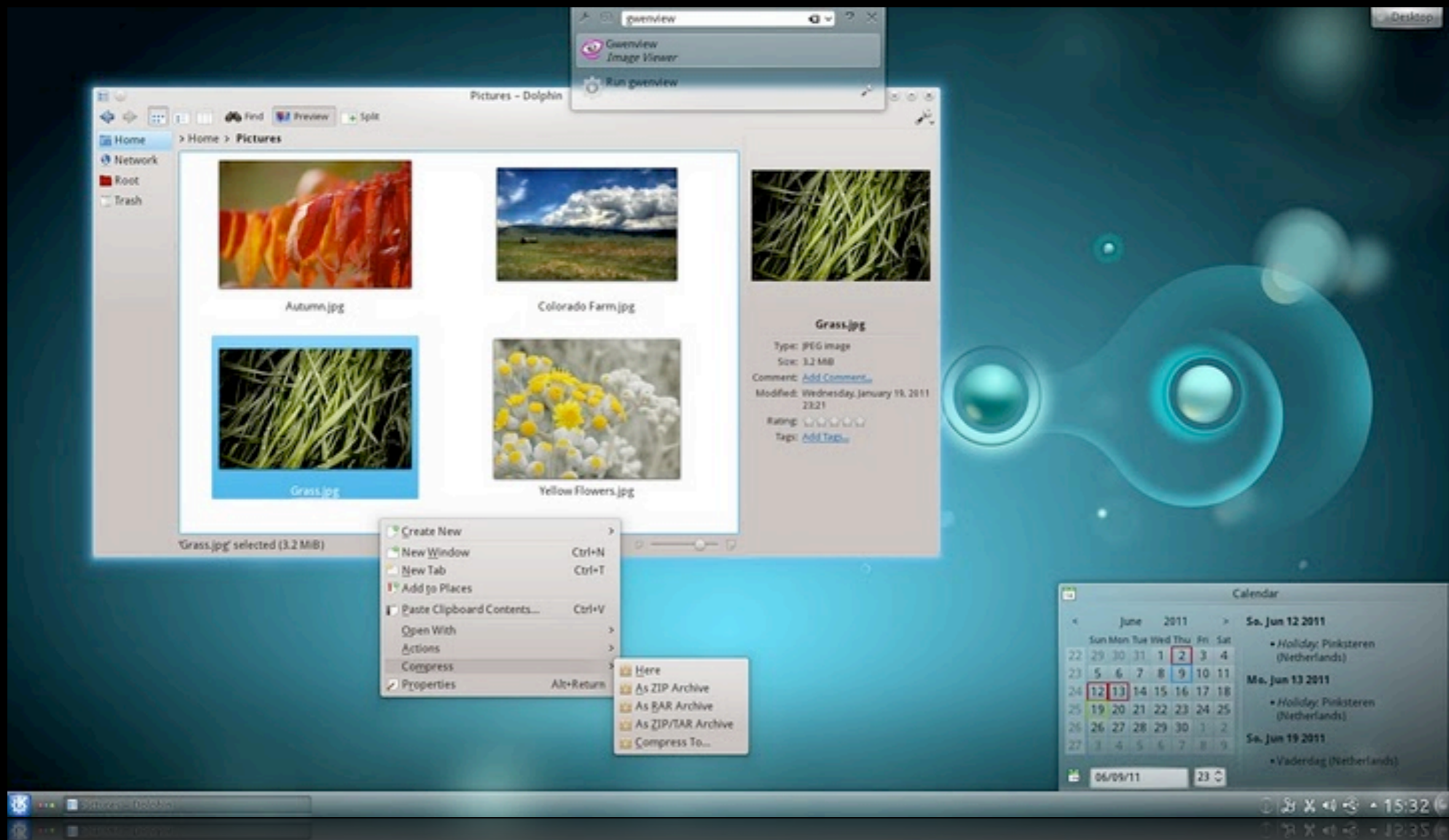
ownCloud



The next logical step for  
the free software world

- Why ownCloud?
- Current Status
- The Future

# KDE 4.7 rocks!



# Challenges of the next 5 years

Move from  
**Desktop** Apps to  
**Cloud** Apps



# Examples:

- Pandora / last.fm
- Google Docs
- GMail/Hotmail/Messaging
- Flickr / Picasa
- even Instant Messaging.

Why ?

# Survey advantages

# The advantages

the biggest advantage (imho) of cloud computing for users would be ubiquitous presense of applications and data.

No need to install software.

You don't need to worry about losing your work if your machine crashes

You can delegate upgrades/backups to the service provider

data can be accessed from everywhere (PC, laptop, girlfriend latpop, www)

easy interaction with other users

So a *shiny* happy new  
world is coming ?

Is this trend good from a free  
software perspective ?

Where is the place for classic  
Desktop applications like  
KDE in 10 years ?

# Survey disadvantages



# The disadvantages

the security of your personal data. Where are your files stores? By whom? In which legislation.

WebApps are limited.

user data might be not encrypted

dependency on 3rd party infrastructure (hot spots, internet, lan)

What can we do  
about it?

# Is it possible to combine the best of both worlds?

- rich desktop with rich applications instead of web apps
- social
- easy deployable
- data under my control but accessible from every device.

# What do we have to do?

1. Social
2. Deployment / Access to applications
3. Access and sharing of data

# I . Social

# Social Desktop

## Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups
- messaging
- newsfeed
- knowledge sharing
- events.

### Manage Open Collaboration Services providers

Choose a provider to manage: openDesktop.org

Login Register

#### Register new account at openDesktop.org

Fill in the details below and click Register... button

User name:

Email:

First name:

Last name:

Password:

Repeat password:


Help Default

Nearby Friends Messages

- F. K. (cybergehirn)
- Daniel Schulz (Daniels)

Nearby Friends Messages

**Send message**

 Daniel Molkentin  
danimo

Subject:

Message:

Search Knowledge Base

Theme installation

Category: KDE

**Question:** How do I go about installing a theme? I've never tried it before. The theme file or folder is on my desktop. Do I use terminal or some package manager? 79665-VistaUltimate-0.2.tar.gz is the file name.

**Answer:** Someone on freenode's #kde channel bought this question up shortly before finding the answer. Open a terminal (i.e konsole) in the directory where your theme package is kept and type: `[b]plasmakg -t theme[/b] [i]package name[/i] I believe that you can safely remove the original copy of the theme after that. PS: the [b]-g[/b] option needs to be used if you want the theme to be available to all users on your machine if you run [b]plasmakg[/b] as root. [b]plasmakg[/b] doesn't have a man-page on my system and likely doesn't on yours but the [b]-help[/b] has plenty of advice.`

Why auth required after start

Category: Application

< 279 items, page 4/28 >

- ademmer1977 has updated: "better network-wireless icons for oxygen"
- jamboarder has updated: "Bangarang"
- Frank has visited your profile page
- nunopinheirokde and nzimas are now friends.
- nunopinheirokde and Otomo are now friends.
- Frank has visited your profile page
- fpuelz has updated: "PublicTransport"
- roignac has visited your profile page
- fpuelz has updated: "PublicTransport"
- Frank has visited your profile page

# Open-Collaboration-Services

- free specification
- free server and client implementations
- [forum.kde.org](http://forum.kde.org)
- MeeGo support
- Maemo support
- [OpenOffice.org](http://OpenOffice.org) support
- and more.



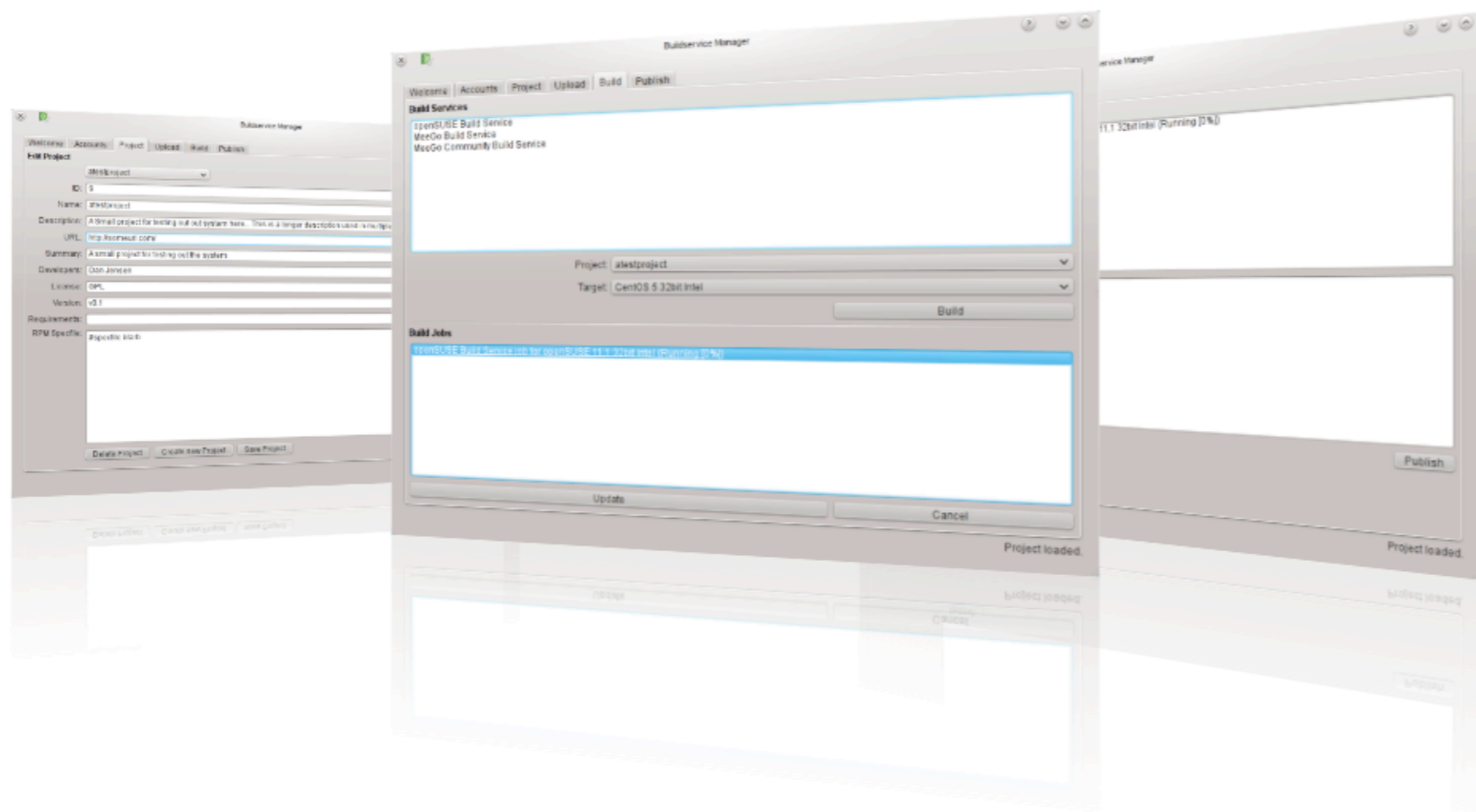
Great Social Features

## 2. Deployable / Access to applications

# Project Bretzn

1. Make it easy for developers to release an application
2. Make it easy for users to install the applications

# Project Bretzn



- Qt Creator Plugin
- OBS Support
- Compile
- Package
- Release
- 5 minutes.

# Project Bretzn

The screenshot shows the openSUSE Application Manager window. The title bar reads "openSUSE Application Manager". The interface includes a navigation sidebar on the left with categories: Games, Office, Media (highlighted), Networking, and Installed. The main content area displays the application "K3B" with a 5-star rating, version 2.0 updated 10/15/2010, by trueg, and license GPL. It features an "Install" button and a "Become a fan" button. The description states: "K3b is a full-featured CD/DVD/Blu-Ray burning and ripping application. It supports a variety of project types as well as copying of optical media, burning if different types of images, and ripping Audio CDs, Video CDs, and Video DVDs. Its convenient user interface is targetted at all audiences, trying to be as simple as possible for novice users while also providing all features and advanced user might need. [More...](#)". Below the text are three images: a K3B logo, a screenshot of the application's interface, and a K3B logo with a play button. At the bottom, there is a comment section with a user profile for "sisqonrw" dated "on: Dec 20 2009". The comment reads: "cant burn on dvd+r ★★★★★ after karmic upgrade i cant burn on dvd+r. i tried with diffent dvd+r. i had burn before on dvd+r. on cd+r and dvd+rw i have no problemes. here a log: <http://pastebin.kubuntu-de.org/91> where is the problem?" and "thanks". There are "Add Comment" and "Reply" buttons.

- full search
- screenshots
- descriptions
- updates
- voting
- become fan
- multi-client
- AppStream.

Hopefully this makes access to **apps**  
very **easy** in the future.

# 3. Access and sharing of data

Current storage  
solutions suck !



My requirements:

I. all data under **my** control.

## 2. access from everywhere and every device

- home desktop
- work desktop not running KDE
- laptop
- netbook
- internet cafe
- smartphone.

**3. online / offline**

4. auto backup

# 5. versioning

# 6. encryption

7. *easy* sharing



8. *easy extend storage*

Example:

I'm working on my **thesis**

Always **accessible** from everywhere

No more **COPY** around usb devices

Completely **secure**

All changes are **versioned** and **backuped**.

Example:

my music **accessible** from everywhere  
even if the collection is too big to fit on a **netbook**  
**share** a part of the music with a friend.

Example:

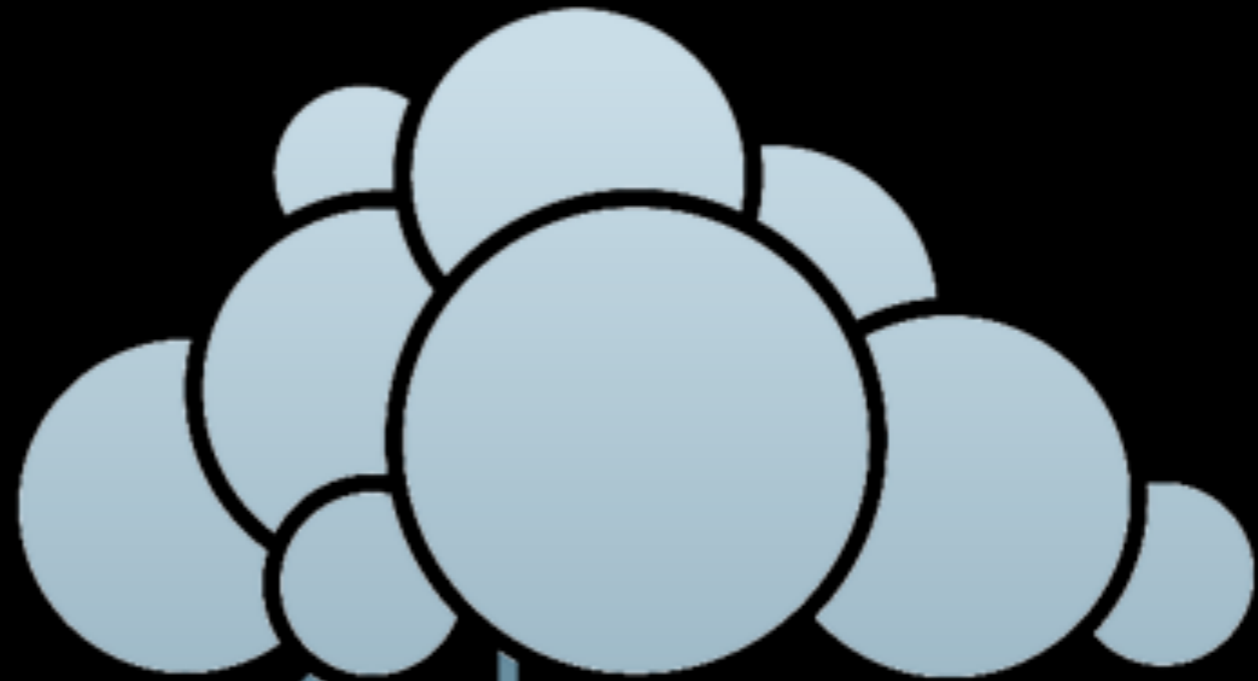
A KDE developer sprint needs a **shared storage** to exchange documents.

Example:

Send my parents a read only link to my holiday pictures folder.

2011 and still  
difficult

**A solution for this:**



ownCloud

ownCloud





License: AGPL



## Package you can install on:

- your own root **server**
- some webspace
- you home **PC** (and use dyndns for example)
- on your company **server**
- **rent** from a company if somebody provides the service
- Appliance.



## Access

- access the files via a **browser**
- **mount** via webDAV
- works on Mac, Windows, **Linux** (fuse, kio)
- **syncing** via a small client side application.



# Backup

- Automatically **COPY** to a second device on save
- harddisc
- second server.



# Versioning

- git
- hardlinks.



# Encryption

- GPG
- Blowfish
- SSL



## Sharing

- send an email with a webdav **link** and a **ID**
- read/write support
- expire
- only one **file** or **directory**.



# Notification

- Somebody shares something with you
- Somebody edited/created/deleted something
- Storage full.





What do we have today?



# Timeline

## **version 1.2**

- webinterface
- webdav mount
- notification
- Backup
- Storing and Syncing of KDE config data.



# Timeline

## **version 2.0**

- Sharing
- Apps
- Great new Webinterface
- Encryption
- Addressbook Syncing
- MediaPlayer App
- Mid of 2011.



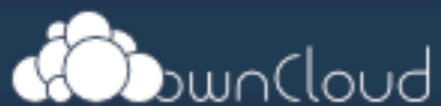
# Timeline

## **version 2.1**

- Versioning
- Syncing Client
- Calendar Syncing
- WebOS Application
- Android Application.



**ownCloud** is a personal cloud  
which runs on your own server.



Files

Documents

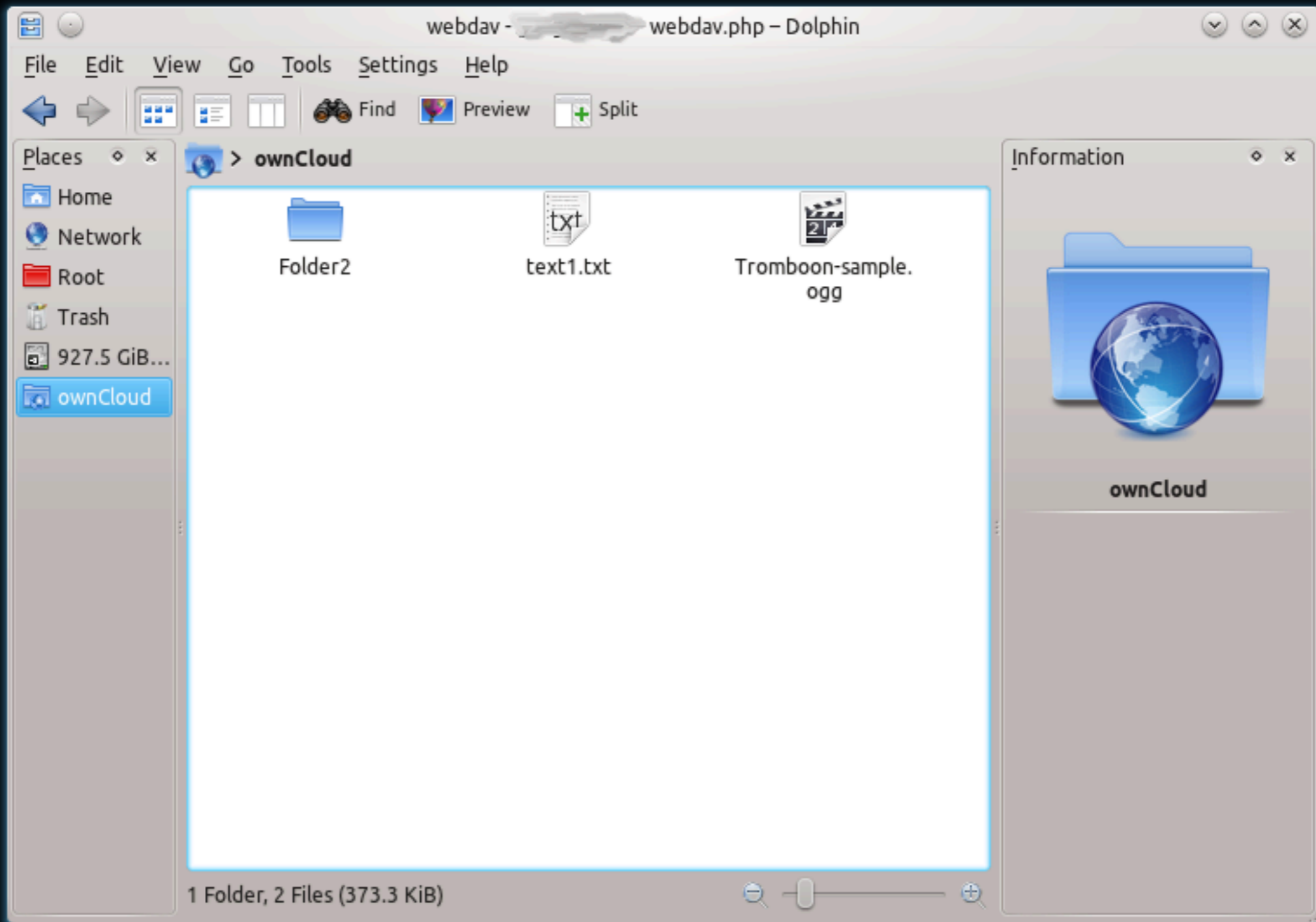
Kittens

Upload (max. 128 MB)

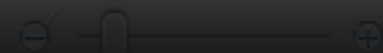
New Folder

Media

<input type="checkbox"/> Name	Size MB	Modified	
<input type="checkbox"/> Cute-Kitten-Photos.jpg	0.2	10 days ago	
<input type="checkbox"/> snowconecat.jpg	0.1	10 days ago	
<input type="checkbox"/> ws_Sweet_Kitten_1600x1200.jpg	0.4	10 days ago	



1 Folder, 2 Files (373.3 KiB)





# Applications

- Install / Update from within ownCloud
- HTML5 / JS / CSS / PHP / SQL
- Tools / Games / Small Applications
- Runs on Desktop / Tablet / Mobile.





ownCloud

← ⏻

- Personal
- Users
- Files
- Apps**
- Help

Name	Version	Author	Status
Contacts	0.1	Jakob Sack	enabled
Image Viewer	1.0	Robin Appelman	enabled
Share by Publiclink	0.2	Robin Appelman	enabled
Text viewer	0.3	Icewind	enabled
Media	0.2	Robin Appelman	enabled
LDAP user backend	0.1	Dominik Schmidt	enabled
OpenID user backend	0.1	Robin Appelman	enabled

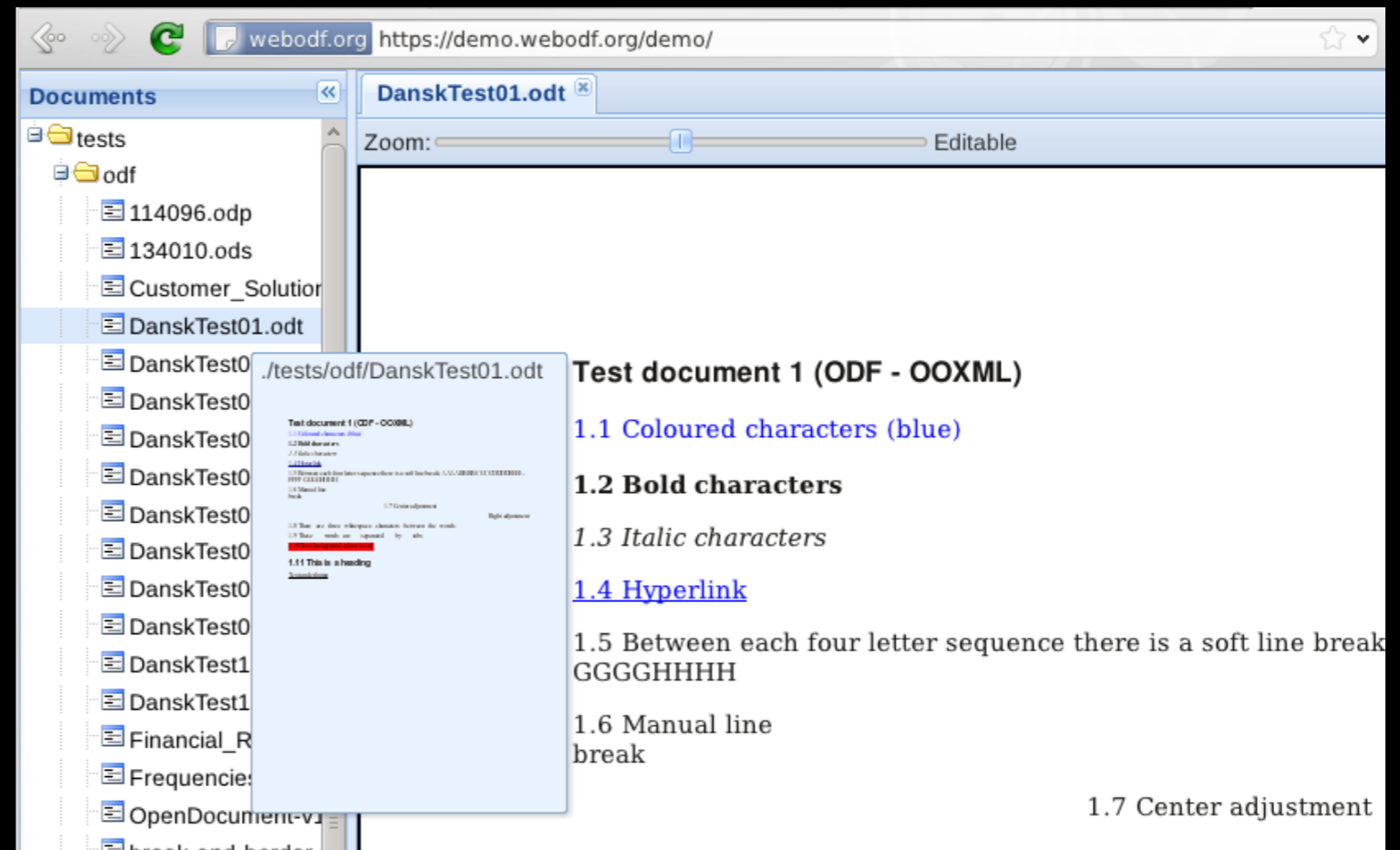


# Future Plans



# Web Editor

- WebODF
- Same Document in Desktop Office and Browser
- Versioning
- Sharing.





Webinterface for all  
important data



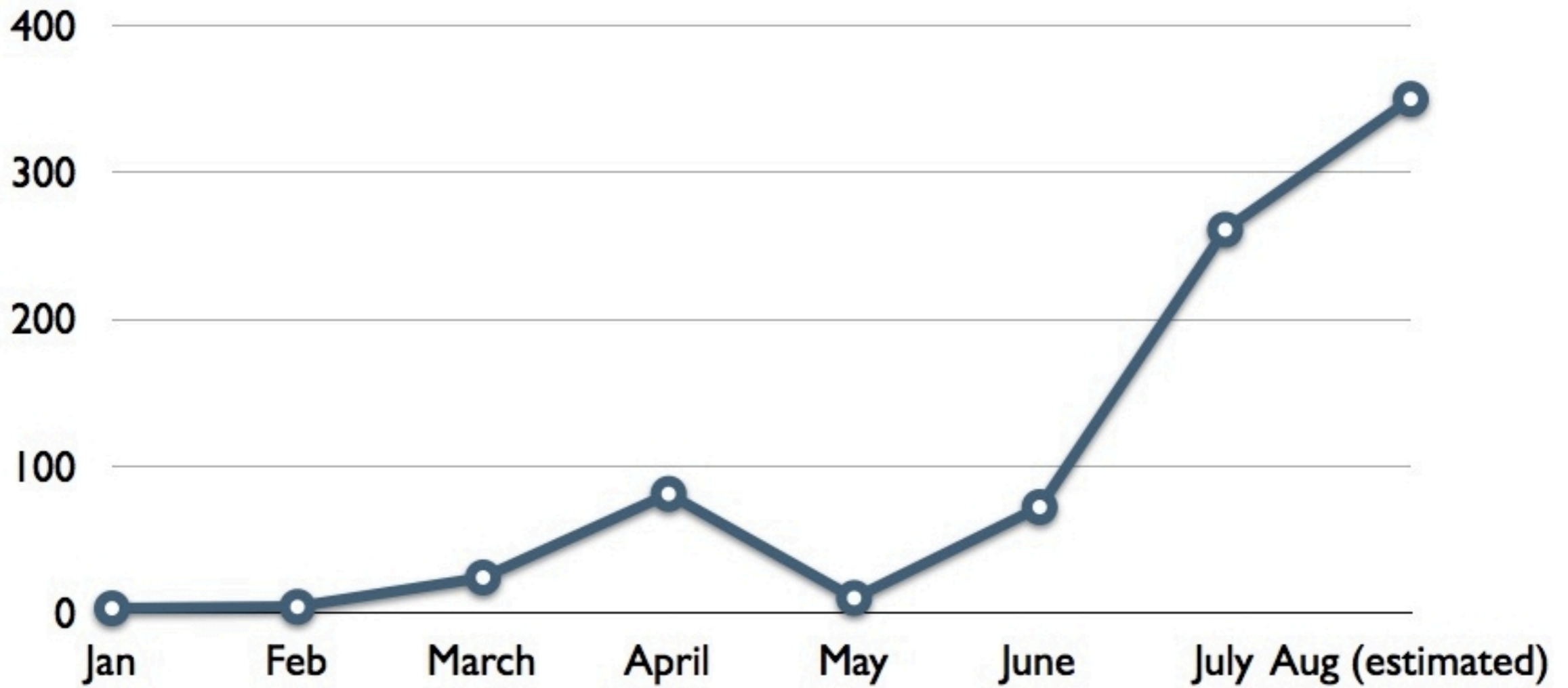
# Decentralized Backup



# Transparent *state sync* for Desktop Applications



**Thanks to all  
contributors !!**







# Help is welcome

- **git:** <https://projects.kde.org/projects/playground/www/owncloud>
- [owncloud@kde.org](mailto:owncloud@kde.org)
- **wiki:** <http://ownCloud.org>
- **IRC:** #owncloud at freenode



## Junior Jobs

- Photo Gallery App
- Dolphin Context Menu
- RSS Catcher App / Syncing with Akregator
- Podcast Catcher App
- HTML 5 Drag/Drop Uploader



## BoF Sessions

- Wednesday 9:00 Room: 1.401/1
- Friday 15:00 Room 1.301



## Summary

KDE has **superior** Desktop technology and applications.

If we **combine** this with ideas from cloud computing we have a **fast, secure, and powerful** desktop with great **social**, and **data/app sharing** features we will **rock!**



Thank you

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Questions ?

