

OwnCloud @ OpenTechSummit

Jos Poortvliet

ownCloud community manager



About Me



Agenda

- Why
- What
- How

Why ownCloud?



**"If privacy is outlawed,
only outlaws will have privacy."**

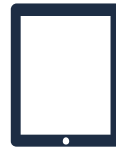
- from the PGP manual

About ownCloud



- File sync and share
- Open Source
- Easy to use
- Easy to install
- Easy to extend
- >2 million users!

- **Easy to deploy: LAMP**
- **Easy to improve on or inspect: PHP, JS, CSS**
- **All-platform access**
- **Scale from Raspberry Pi to CERN**



ownCloud Apps

apps.owncloud.com



- **Open Source**
- **Millions of users**
- **Since 2010**
 - 700+ contributors, 385 in last year
 - github.com/owncloud
 - ownCloud Inc. for enterprise

65,796 commits

709 developers

29,230 tickets

5,024 mail messages

Code Developers

709

Core

Regular

Casual

27

53

640

Commits



Last 365 days: 27,199

⬆ +38%

Last 30 days: 2,039

⬆ +37%

Last 7 days: 559

⬆ +43%

Authors



Last 365 days: 385

⬆ +32%

Last 30 days: 80

⬆ +17%

Last 7 days: 48

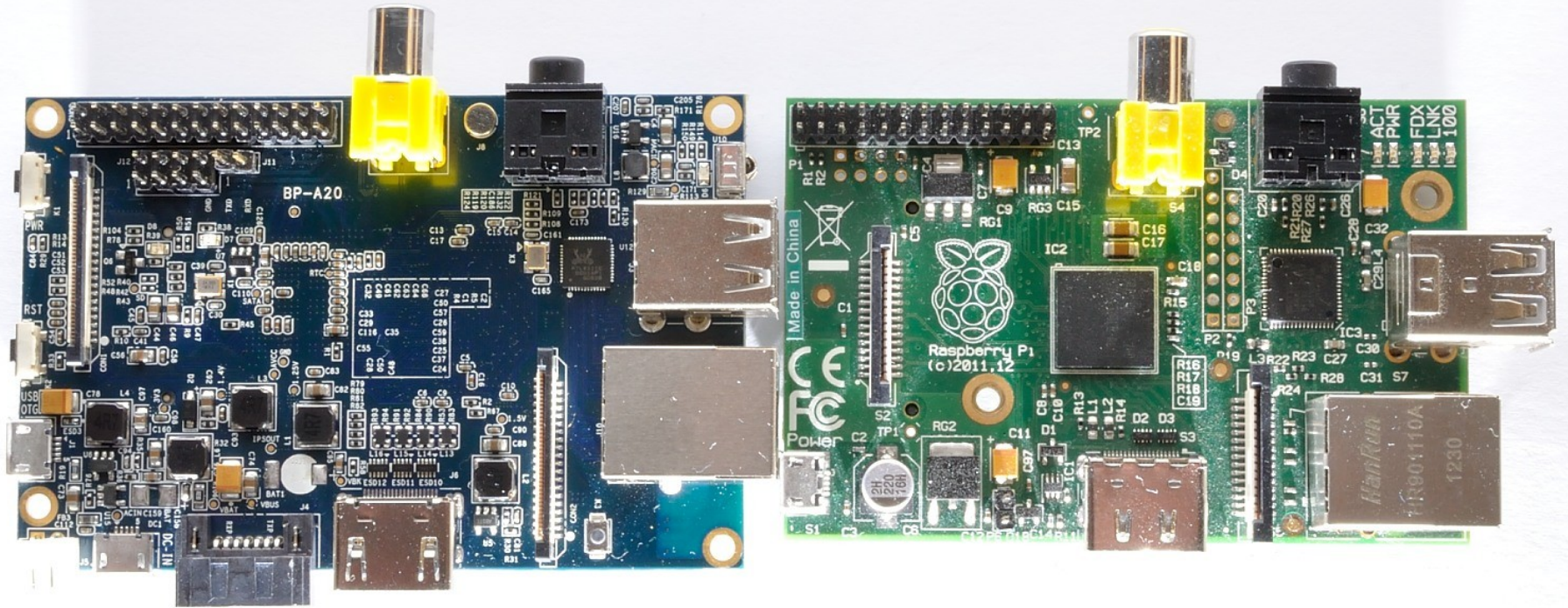
⬆ +17%

Stats by Bitergia on projects.bitergia.com/ownCloud

What's the plan?



The Pi's



The process



- **Step 1: prepare OS image, boot up the Pi**
- **Step 2: SSH into the Pi**
- **Step 3: install and configure ownCloud**

Most magic is in step 2: making a wired connection between the Pi and your laptop and SSH'ing in. This is easy on Linux but hasn't been done yet on Win/Mac.


Step 3 can take as long as you want – there is plenty to improve secure and optimize once ownCloud is up and running.

Brought your own system to install ownCloud on? Start step 2.



ownCloud -- For end users

Sharing

 Files ▾

All files

Shared with you


Shared with others


Shared by link


↑

New

☐ Name ▾

 compar

 docume

 music

Share with user or group ...

Frank ☒ can edit ▾







☒ create ☒ update ☒ delete ☒ share

☐ Share link

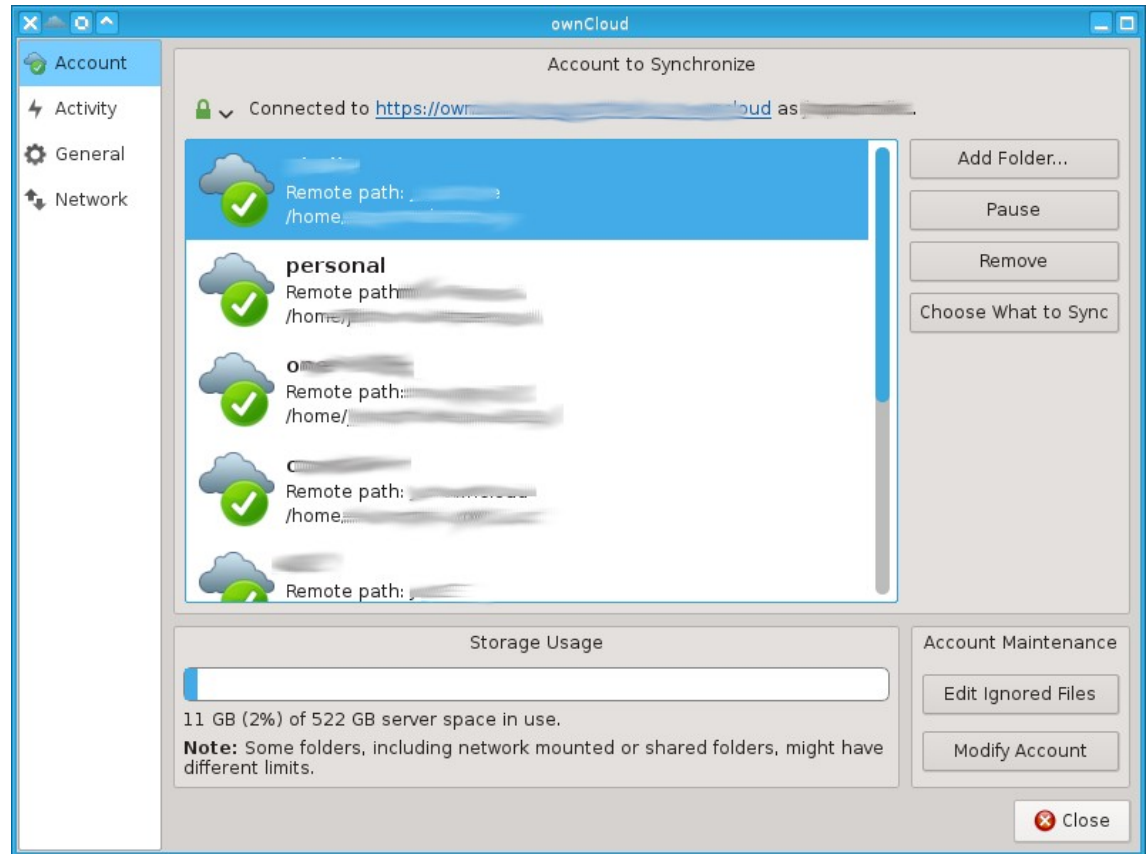
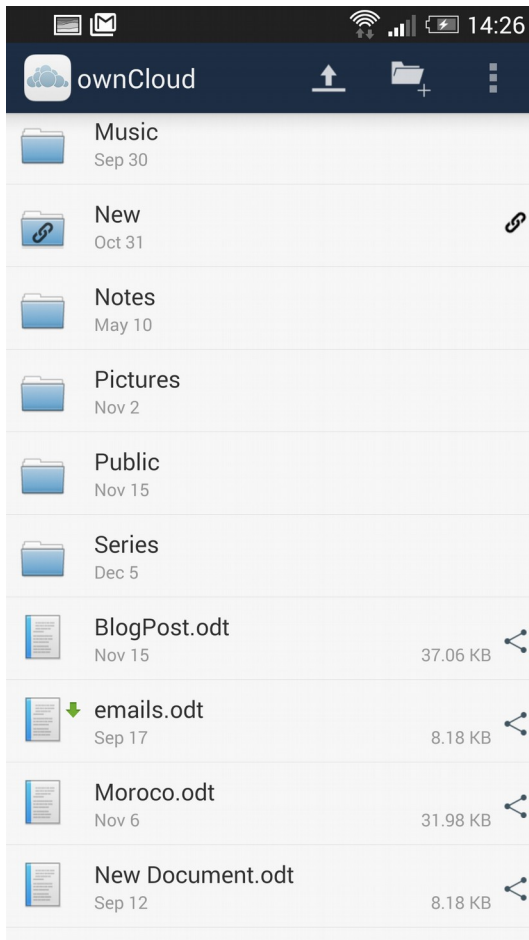
Save to ownCloud

Download

| Size | Modified |
|-------|-------------|
| 23 kB | 8 hours ago |
| 23 kB | |

| | | | |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------|-------------|
|  iuo vgī |  Shared | 332 MB | 2 hours ago |
|  kakä |  Shared by puri2 | 25 kB | 6 hours ago |
|  loñ | | 0 kB | 7 hours ago |
|  music | | 3.6 MB | 7 hours ago |

Syncing apps



Features

Notifications

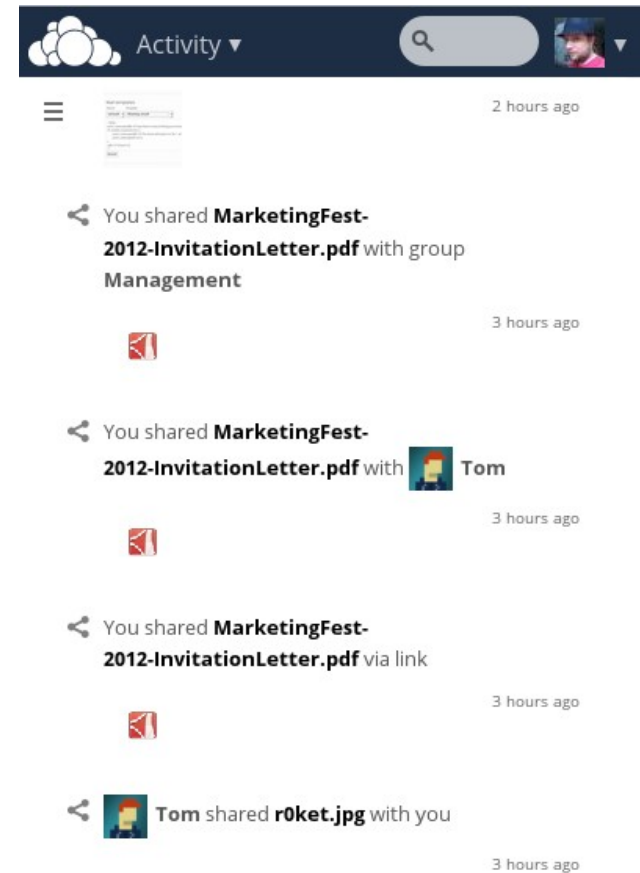
| Mail | Stream | |
|-------------------------------------|-------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | A file or folder has been shared |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | A new file or folder has been created in a shared folder |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | A file or folder has been changed in a shared folder |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | A file or folder has been deleted from a shared folder |

You need to set up your email address before you can receive notification emails.

Send emails: **Hourly**

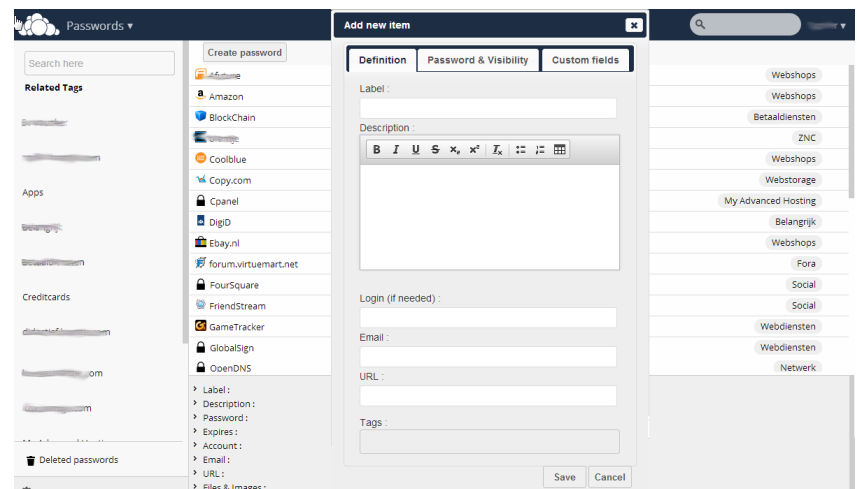
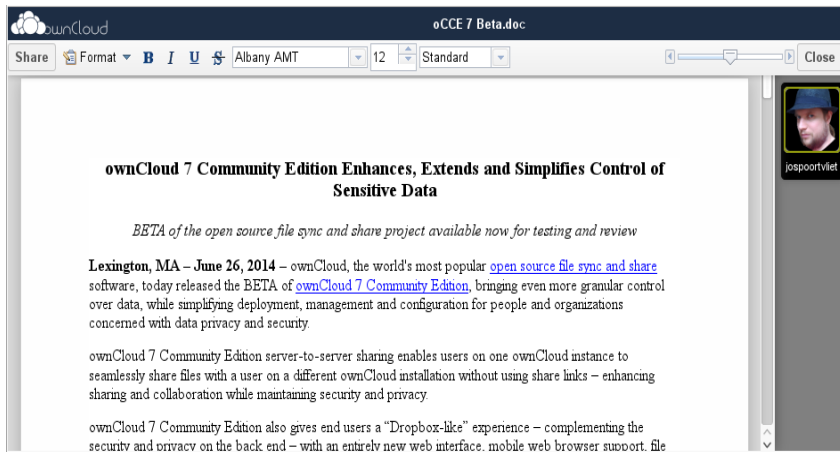
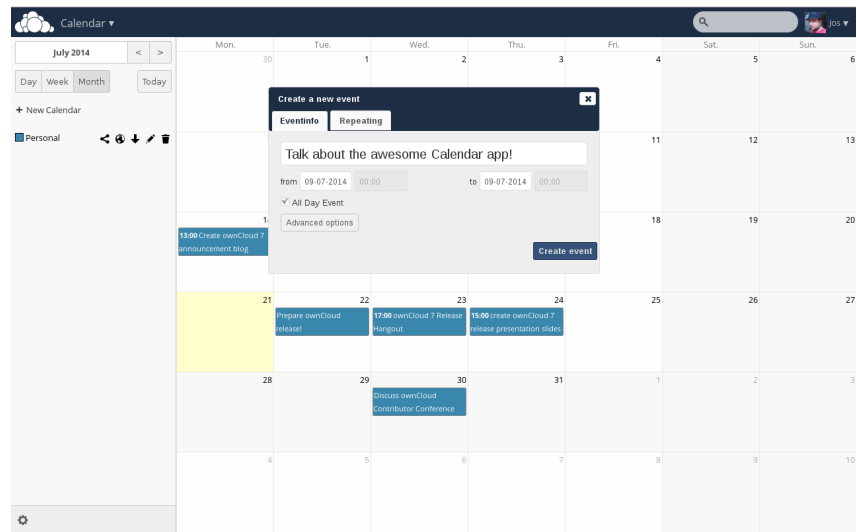
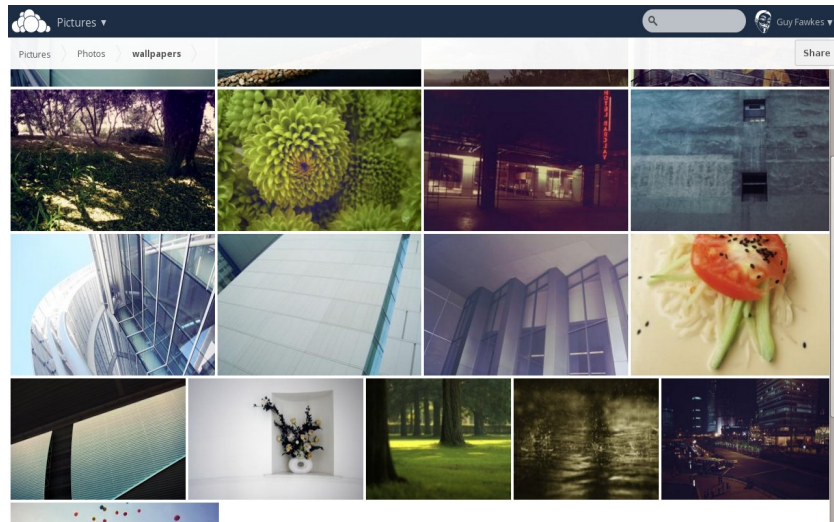
External Storage

| Folder name | External storage | Configuration | Available for |
|-------------------------------------------|--------------------|--------------------------------------------------------------------|--------------------------------------------------------------|
| <input type="text" value="Google Drive"/> | Google Drive | <input type="text" value="4096000000"/> Access granted | <input type="text" value=""/> |
| <input type="text" value="Dropbox"/> | Dropbox | <input type="text" value=""/> Access granted | <input type="text" value="x"/> |
| <input type="text" value="Pictures"/> | Local | /media/000/Pictures | <input type="text" value="x"/> <input type="text" value=""/> |
| <input type="text" value="Series"/> | Local | /media/000/series | <input type="text" value="x"/> <input type="text" value=""/> |
| <input type="text" value="Music"/> | Local | /media/000/Music | <input type="text" value="x"/> <input type="text" value=""/> |
| <input type="text" value="Films"/> | Local | /media/000/films | <input type="text" value="x"/> <input type="text" value=""/> |
| <input type="text" value="Folder name"/> | Add storage | | |




The Activity feed interface shows a list of recent actions. At the top, there is a header with the 'owncloud' logo, the word 'Activity' with a dropdown arrow, a search bar, and a user profile picture. Below the header, the feed lists activities. Each entry starts with a share icon, followed by the text 'You shared MarketingFest-2012-InvitationLetter.pdf with group Management' or 'You shared MarketingFest-2012-InvitationLetter.pdf with Tom' or 'You shared MarketingFest-2012-InvitationLetter.pdf via link' or 'Tom shared rocket.jpg with you'. Each entry is followed by a red square icon and the text '3 hours ago'.

More apps



App management



 Apps ▾

Enabled

Not enabled

Recommended

Multimedia

PIM

Productivity

Game

Tool


other

More apps ...

Add your app ...

PDF.js is a JavaScript library developed by Mozilla, you can learn more


Disable ☐ Enable only for specific groups



Pictures 0.6.0
by Robin Appelman (AGPL-licensed)
✓ Recommended
Picture gallery for ownCloud.

Provides a dedicated view of all images in a grid, adds image viewing c


Disable ☐ Enable only for specific groups



Provisioning API 0.2
by Tom Needham (AGPL-licensed)
✓ Recommended

This application enables a set of APIs that external systems can use to quota and query total storage used in ownCloud. Group admin users c manage. The API also enables an admin to query for active ownCloud . is enabled, http requests can be used via a Basic Auth header to perfo API documentation, including example calls and server responses. Documentation: [Admin Documentation](#)

Disable ☐ Enable only for specific groups



Apps

Knowledge

People

view

add app

my apps

search content

APPS

All

Multimedia

PIM

Productivity

Games

Tools

other

Search

FORUM

global


CVS-app ??

apps Disabled


Latest

Alphabetical

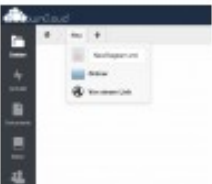
Highest



Tasks I
ownClo
30 Comm



ocSafe
ownClo
4 Comme



drawio
ownClo
1 Fan



ownCloud--For administrators

Mail templates

Theme

Template

default

Sharing email

```
<?php
print_unescaped($l->t("Hey there,\n\njust letting you know
if ( isset($_['expiration']) ) {
    print_unescaped($l->t("The share will expire on %s.", arr
print_unescaped("\n\n");
}
p($l->t("Cheers!"));
?>
```

Reset

Security

☒ Enforce HTTPS

Forces the clients to connect to ownCloud via an encrypted connection.

Email Server

This is used for sending out notifications.

Send mode **smtp** Encryption **None**

From address mail @ example.com

Authentication method **None** ☐ Authentication required

Server address smtp.example.com : Port

Test email settings **Send email**

Server-to-Server Sharing

- ☒ Allow users on this server to send shares to other servers
- ☒ Allow users on this server to receive shares from other servers

Cron ● Last cron was executed at December 16, 2014 14:15.

☐ AJAX

Execute one task with each page loaded

☐ Webcron

cron.php is registered at a webcron service to call cron.php every 15 minutes over http.

☒ Cron

Use system's cron service to call the cron.php file every 15 minutes.

Control Sharing

Sharing

☒ Allow apps to use the Share API

☒ Allow users to share via link

☒ Enforce password protection

☐ Allow public uploads

☒ Set default expiration date

Expire after days ☒ Enforce expiration date

☐ Allow resharing

☐ Restrict users to only share with users in their groups

☒ Allow users to send mail notification for shared files

☒ Exclude groups from sharing

users ▼

These groups will still be able to receive shares, but not to initiate them.

☒ Enable User External Storage

Allow users to mount the following

☐ Amazon S3 and compliant

☐ Dropbox

☐ FTP

☐ Google Drive


☐ OpenStack Object Storage

☐ ownCloud

☐ SFTP

☐ WebDAV

User management

 Apps ▾

+

Add Group

Everyone4

Admins2

Developers

GamersNaN

Home usersNaN

Management2

ownClouders

testersNaN





Gamer

●●●●●

Gamers, Home users ▾

Create

Search Users and Groups

| | Username | Full Name | Password | Groups | Group Admin | Quota | Storage Location |
|--|-----------------------------------------------------------------------------------------------|-------------|----------|----------------------|---------------|-----------|------------------|
| |  game player | game player | ●●●●●●●● | Gamers, Home users ▾ | Group Admin ▾ | Default ▾ | /var/www/ |
| |  Jos | Jos | ●●●●●●●● | admin, Management ▾ | Group Admin ▾ | Default ▾ | /var/www/ |
| |  tester 1 | tester 1 | ●●●●●●●● | testers ▾ | Group Admin ▾ | Default ▾ | /var/www/ |
| |  Tom | Tom | ●●●●●●●● | admin, Management ▾ | Group Admin ▾ | Default ▾ | /var/www/ |

- Get it on owncloud.org/download
- Try it on demo.owncloud.org
- Join on owncloud.org/contribute
- Find help on doc.owncloud.org
- For large scale use see ownCloud.com



OwnCloud -- Questions?