

ownCloud Server 8.2



Owning your data just became easier



About Me



- Why and what of ownCloud
- ownCloud Server 8.2
 - New for users
 - New for admins
 - New for developers
- Go get it!



The good and bad of the cloud



Awesomeness of the cloud



- Accessible everywhere
- Back up online
- Easy sharing and collaboration
- All free!!!
(or super cheap)

Awfulness of the cloud



- Where is my data? *("cloud is just another word for somebody elses' computer")*
- Who can access my data? *(NSA/China/businesses/thieves)*
- How is my data used? *(it says more about you than you think)*

Public Policy doesn't help at all

"We are all vulnerable to everyone because the NSA wanted us to be vulnerable to them."

- Bruce Schneier



Take back your data

Introducing ownCloud

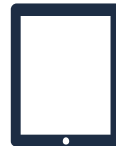


- Sync and share
- Open Source
- Easy to use
- Easy to install
- Easy to extend
- >2.5 mln users



Easy to use

- Easy to deploy: LAMP
- Easy to hack on or inspect: PHP, JS, CSS
- All-platform access
- Scale from Raspberry Pi to CERN
- Great user interface



- External Storage
 - FTP, NFS, WebDAV, dropbox, S3, ...
 - Encryption
 - Versioning
- Sharing
 - Public links, passwords, expiring, upload rights, ...
- Server to server sharing



over 200 ownCloud Apps

calendar/contacts/real-time collaborative document editing/music player/password manager/feed reader/video player/notes/sketching/presentation player/SMS sender/backup/transmission client/and so on and on and on and on

apps.owncloud.com



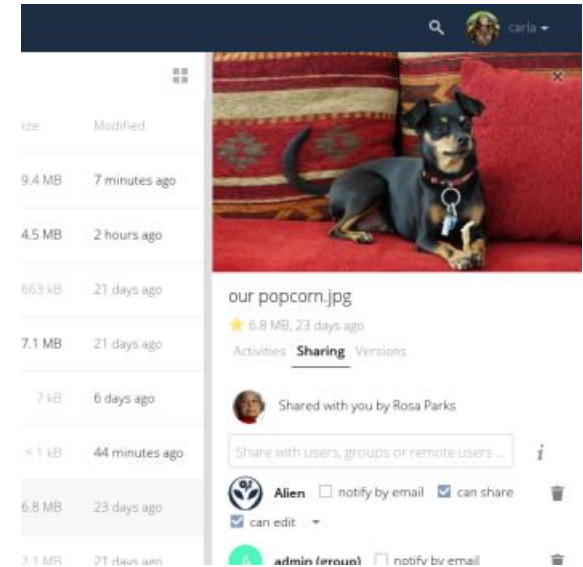
- Open Source
- Millions of users
- Since 2010
 - 850+ contributors, 385 in last year
 - github.com/owncloud
 - ownCloud Inc. for enterprise



New in 8.2

New for Users

- Design
- Sidebar
- Gallery app
- Text editor



Cleaned up



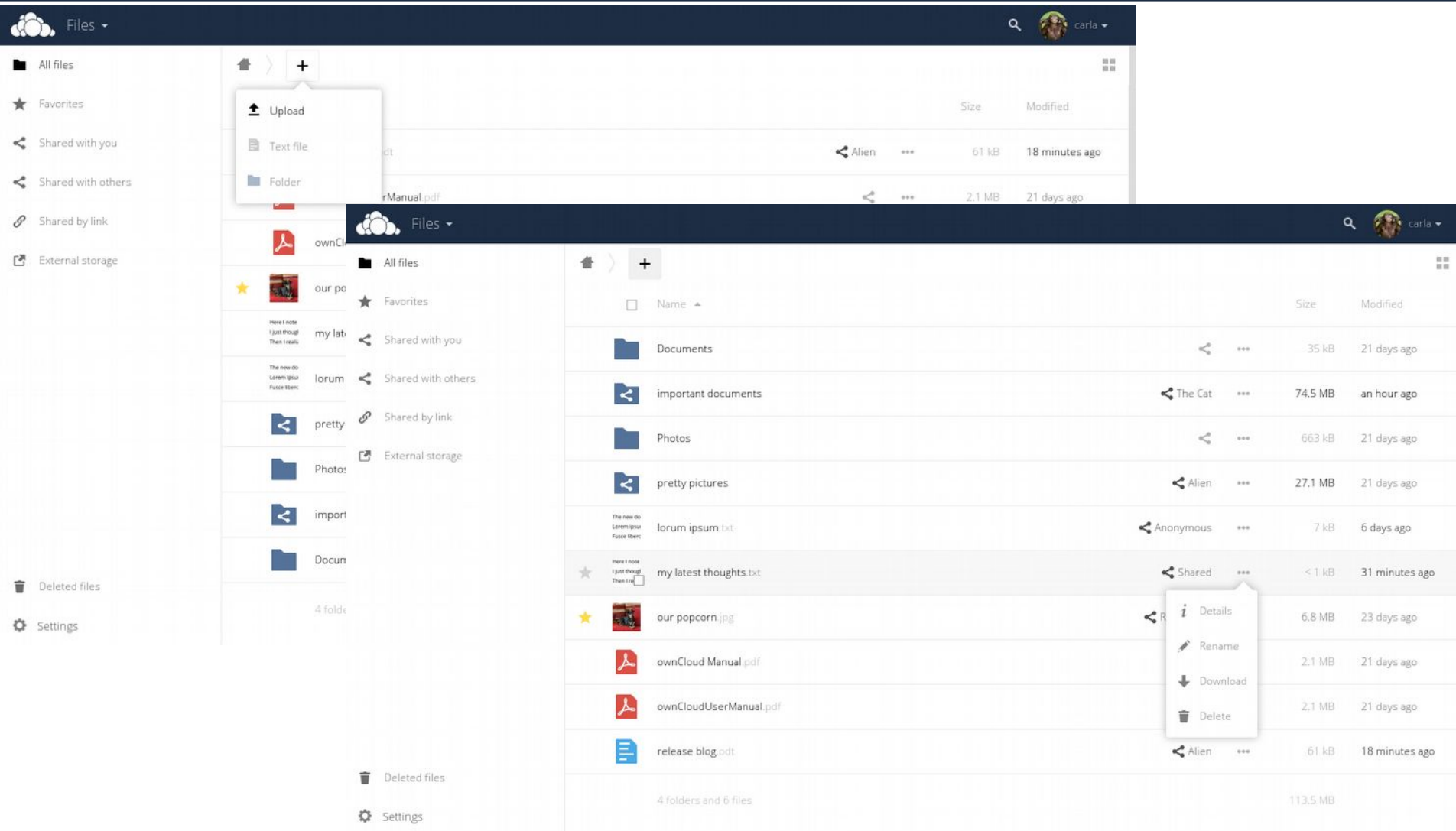
 jospoortvliet

 ●●●●●●●●



ownCloud – web services under your control

Actions behind buttons




The image displays two screenshots of the ownCloud web interface, illustrating the actions available through various buttons and menus.

Top Screenshot: Shows the 'Files' view with a sidebar on the left containing navigation options like 'All files', 'Favorites', 'Shared with you', 'Shared with others', 'Shared by link', and 'External storage'. A dropdown menu is open, showing options: 'Upload', 'Text file', and 'Folder'. The main area displays a list of files with columns for Name, Size, and Modified. The file 'rManual.pdf' is highlighted.

Bottom Screenshot: Shows the 'Files' view with a sidebar on the left containing navigation options like 'All files', 'Favorites', 'Shared with you', 'Shared with others', 'Shared by link', and 'External storage'. A dropdown menu is open, showing options: 'Details', 'Rename', 'Download', and 'Delete'. The main area displays a list of files with columns for Name, Size, and Modified. The file 'my latest thoughts.txt' is highlighted.

New sidebar: Sharing

 Files ▾

All files

Favorites

Shared with you



Shared with others





















Shared by link


External storage

Deleted files

Settings

 > 


<input type="checkbox"/>	Name ▲		Size	Modified
	Documents	 ...	9.4 MB	7 minutes ago
	important documents	 The Cat ...	74.5 MB	2 hours ago
	Photos	 ...	663 kB	21 days ago
	pretty pictures	 Alien ...	27.1 MB	21 days ago
	lorum ipsum.txt	 Anonymous ...	7 kB	6 days ago
	my latest thoughts.txt	 Shared ...	< 1 kB	44 minutes ago
	our popcorn.jpg	 Rosa Parks ...	6.8 MB	23 days ago
	ownCloud Manual.pdf	 ...	2.1 MB	21 days ago
	ownCloudUserManual.pdf	 ...	2.1 MB	21 days ago
	release blog.odt	 Alien ...	61 kB	31 minutes ago
4 folders and 6 files			122.8 MB	






our popcorn.jpg

★ 6.8 MB, 23 days ago



Activities **Sharing** Versions

 Shared with you by Rosa Parks

Share with users, groups or remote users ... 

 **Alien** ☐ notify by email ☒ can share 


☒ can edit ▾



 **admin (group)** ☐ notify by email 


☒ can share ☒ can edit ▾


☐ Share link


New sidebar: Versions


 Files ▼


  carla ▼


 All files


 Favorites


 Shared with you



 Shared with others



















 Shared by link

 External storage

 Deleted files

 Settings

 > 

<input type="checkbox"/>	Name ▲		Size	Modified
	Documents	 ...	35 kB	21 days ago
	important documents	 The Cat ...	74.5 MB	43 minutes ago
	Photos	 ...	663 kB	21 days ago
	pretty pictures	 Alien ...	27.1 MB	21 days ago
	lorum ipsum.txt	 Anonymous ...	7 kB	6 days ago
	my latest thoughts.txt	 ...	< 1 kB	21 days ago
	our popcorn.jpg	 Rosa Parks ...	6.8 MB	23 days ago
	ownCloud Manual.pdf	 ...	2.1 MB	21 days ago
	ownCloudUserManual.pdf	 ...	2.1 MB	21 days ago
4 folders and 5 files			113.4 MB	

Here I note
I just thought!


my latest thoughts.txt

★ < 1 kB, 21 days ago

Activities Sharing **Versions**


Here I note
I just thought!
Then I realize

↓ a few seconds ago




Here I note
I just thought!
Then I realize

↓ a minute ago





Here I note
I just thought!


↓ 21 days ago





New sidebar: Activities


 Files ▾


 > +


 All files


 Favorites


 Shared with you



















 Shared with others

 Shared by link

 External storage

 Deleted files

 Settings



<input type="checkbox"/>	Name ▲		Size	Modified
	Documents	 ...	35 kB	21 days ago
	important documents	 The Cat ...	74.5 MB	43 minutes ago
	Photos	 ...	663 kB	21 days ago
	pretty pictures	 Alien ...	27.1 MB	21 days ago
	lorum ipsum.txt	 Anonymous ...	7 kB	6 days ago
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	ownCloud Manual.pdf	 ...	2.1 MB	21 days ago
	ownCloudUserManual.pdf	 ...	2.1 MB	21 days ago
4 folders and 5 files			113.4 MB	


Here I note I just thought


my latest thoughts.txt


★ < 1 kB, 21 days ago

Activities Sharing Versions

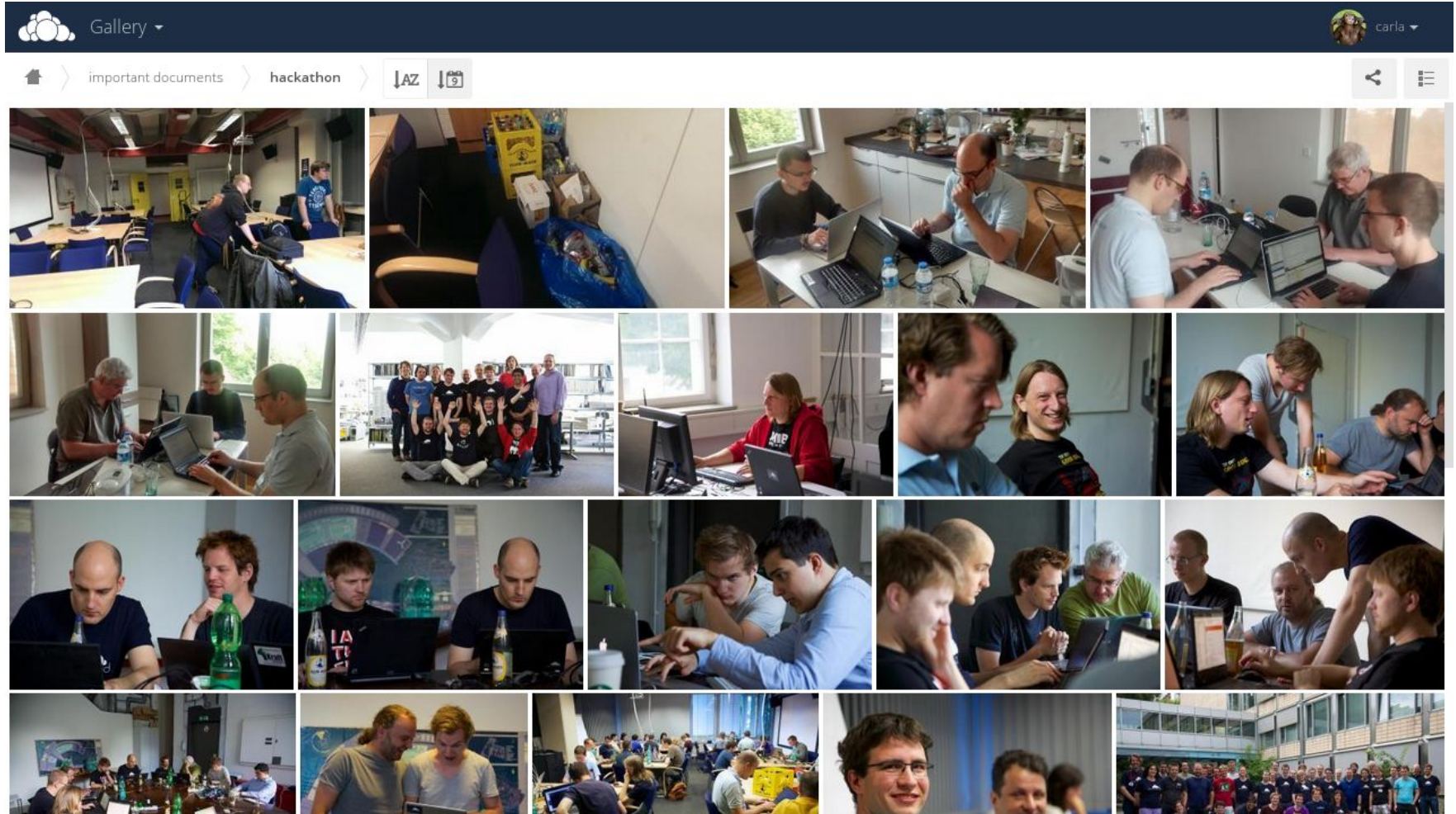
 You shared **my latest thoughts.txt** with  Alien seconds ago

 You changed **my latest thoughts.txt** 1 minute ago

 You changed **my latest thoughts.txt** 21 days ago

 You created **my latest thoughts.txt** 21 days ago

Gallery: sorting, sharing, ...

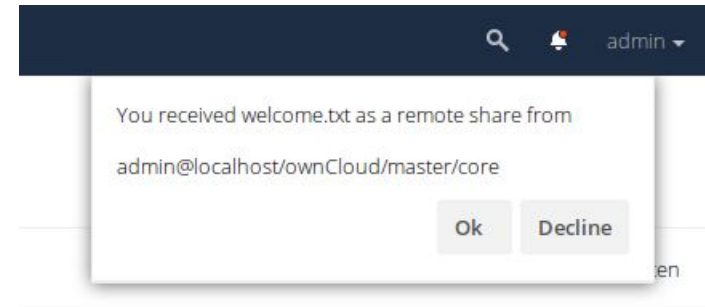


Gallery: Pan and Zoom



New for Admins

- Notifications
- Trash/Version retention
- Encrypt/decrypt commands
- Security enhancements
- Much, much more



Announcement Center (app)



Announcements ▼

Add announcement

Announce

ownCloud update

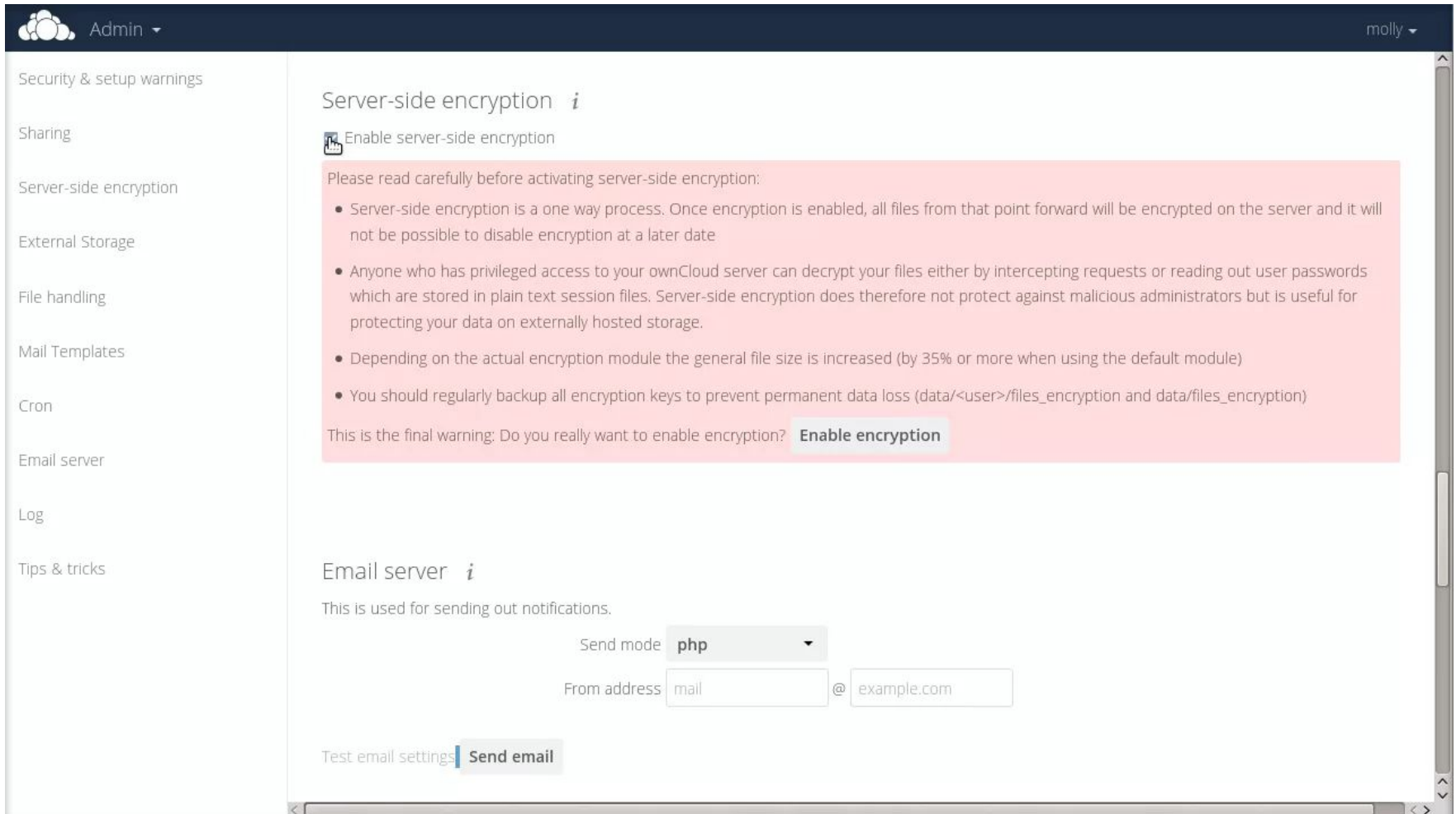
Administrator — September 7, 2015 8:56 AM

Hi everyone,

We are going to Update our ownCloud instance on Thursday.
The expected downtime is 3am to 6am.

Greetings the server team

Encryption key management



The screenshot shows the ownCloud Admin interface. The left sidebar contains a menu with the following items: Security & setup warnings, Sharing, Server-side encryption, External Storage, File handling, Mail Templates, Cron, Email server, Log, and Tips & tricks. The main content area is titled 'Server-side encryption' with an information icon. It features a red warning box with the following text: 'Please read carefully before activating server-side encryption:'. Below this, there are four bullet points: 'Server-side encryption is a one way process. Once encryption is enabled, all files from that point forward will be encrypted on the server and it will not be possible to disable encryption at a later date', 'Anyone who has privileged access to your ownCloud server can decrypt your files either by intercepting requests or reading out user passwords which are stored in plain text session files. Server-side encryption does therefore not protect against malicious administrators but is useful for protecting your data on externally hosted storage.', 'Depending on the actual encryption module the general file size is increased (by 35% or more when using the default module)', and 'You should regularly backup all encryption keys to prevent permanent data loss (data/<user>/files_encryption and data/files_encryption)'. At the bottom of the warning box, it says 'This is the final warning: Do you really want to enable encryption?' followed by an 'Enable encryption' button. Below the warning box, there is a section titled 'Email server' with an information icon. It states 'This is used for sending out notifications.' and includes a 'Send mode' dropdown menu set to 'php'. The 'From address' field is set to 'mail@example.com'. At the bottom of the email server section, there are links for 'Test email settings' and a 'Send email' button.

Admin molly

Security & setup warnings

Sharing

Server-side encryption

External Storage

File handling

Mail Templates


Cron

Email server

Log

Tips & tricks

Server-side encryption *i*

 Enable server-side encryption

Please read carefully before activating server-side encryption:

- Server-side encryption is a one way process. Once encryption is enabled, all files from that point forward will be encrypted on the server and it will not be possible to disable encryption at a later date
- Anyone who has privileged access to your ownCloud server can decrypt your files either by intercepting requests or reading out user passwords which are stored in plain text session files. Server-side encryption does therefore not protect against malicious administrators but is useful for protecting your data on externally hosted storage.
- Depending on the actual encryption module the general file size is increased (by 35% or more when using the default module)
- You should regularly backup all encryption keys to prevent permanent data loss (data/<user>/files_encryption and data/files_encryption)

This is the final warning: Do you really want to enable encryption? **Enable encryption**

Email server *i*

This is used for sending out notifications.

Send mode **php**

From address @

[Test email settings](#) **Send email**

Re/decrypting from command line



Encryption

ownCloud 8.2 introduces a new set of encryption commands:

```
encryption:change-key-storage-root
encryption:show-key-storage-root
encryption:set-default-module
encryption:list-modules
encryption:encrypt-all
encryption:decrypt-all
encryption:disable
encryption:status
encryption:enable
encryption:enable-master-key
encryption:migrate
```

`encryption:status` shows whether you have active encryption, and your default encryption module. To enable encryption you must first enable the Encryption app, and then run

`encryption:enable` :

```
$ sudo -u www-data php occ app:enable encryption
$ sudo -u www-data php occ encryption:enable
$ sudo -u www-data php occ encryption:status
- enabled: true
- defaultModule: OC_DEFAULT_MODULE
```

`encryption:change-key-storage-root` is for moving your encryption keys to a different folder. It takes one argument, `newRoot` , which defines your new root folder:

- Modular Authentication
- Capabilities and Query Building
- App API improvements
- External API improvements

Get it

- Info: owncloud.org
- Code: owncloud.org/install
- Test drive: demo.owncloud.org
- Join: owncloud.org/contribute
- Learn: doc.owncloud.org
- Business: owncloud.com





Questions?