



ownCloud Server 8.2



Owning your data just became easier



All mine



- 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 else's 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



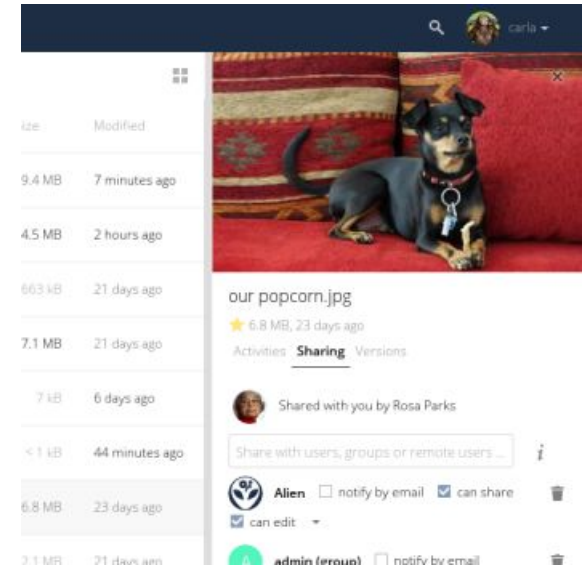
- Open Source
- Millions of users
- Since 2010
 - 850+ contributors, 385 in last year
 - github.com/owncloud
 - ownCloud Inc. for enterprise



New in 8.2

New for Users

- Design
- Sidebar
- Gallery app
- Text editor



Cleaned up

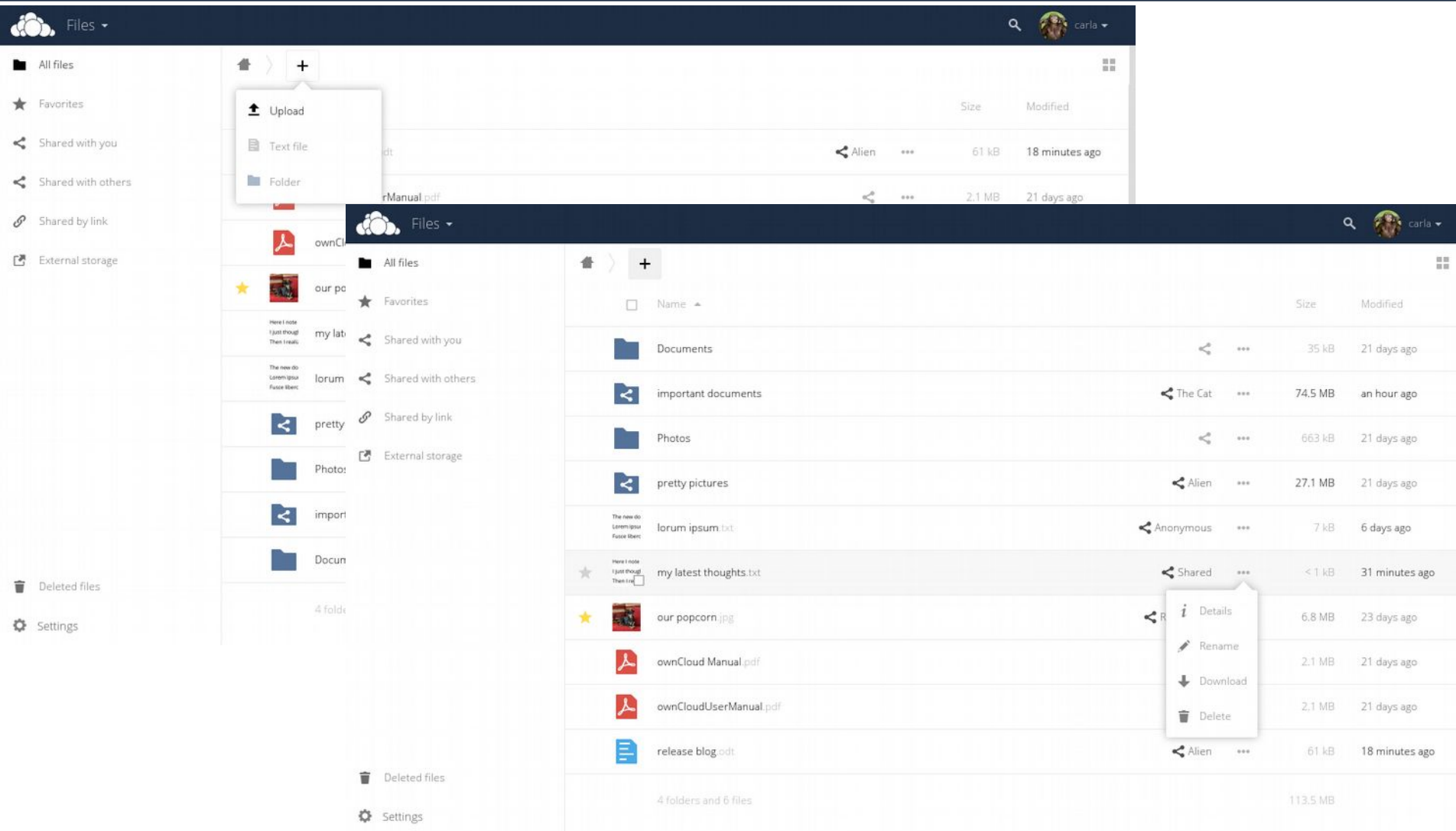


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ownCloud – web services under your control

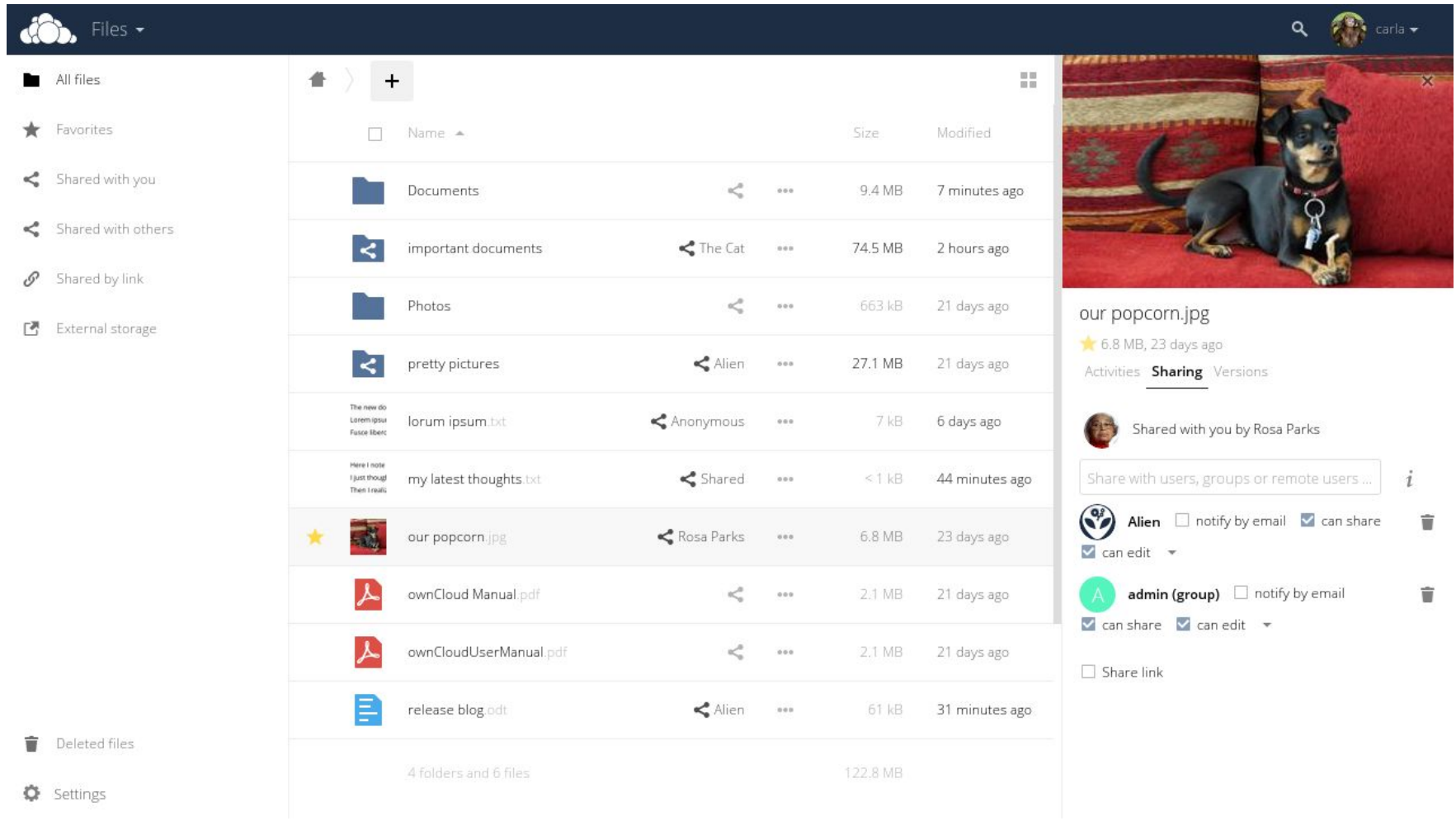
Actions behind buttons



The screenshot displays the ownCloud web interface. The top navigation bar includes the 'Files' menu, a search icon, and the user profile 'carla'. The left sidebar contains navigation options: All files, Favorites, Shared with you, Shared with others, Shared by link, and External storage. The main content area shows a file list with columns for Name, Size, and Modified. A context menu is open over the file 'our popcorn.jpg', showing options: Upload, Text file, Folder, Details, Rename, Download, and Delete. Another context menu is open over the file 'my latest thoughts.txt', showing options: Details, Rename, Download, and Delete. The file list includes folders like Documents, important documents, Photos, and pretty pictures, and files like 'ownCloud Manual.pdf', 'ownCloudUserManual.pdf', and 'release blog.odt'.

Name	Size	Modified
Documents	35 kB	21 days ago
important documents	74.5 MB	an hour ago
Photos	663 kB	21 days ago
pretty pictures	27.1 MB	21 days ago
lorum ipsum.txt	7 kB	6 days ago
my latest thoughts.txt	< 1 kB	31 minutes ago
our popcorn.jpg	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	61 kB	18 minutes ago

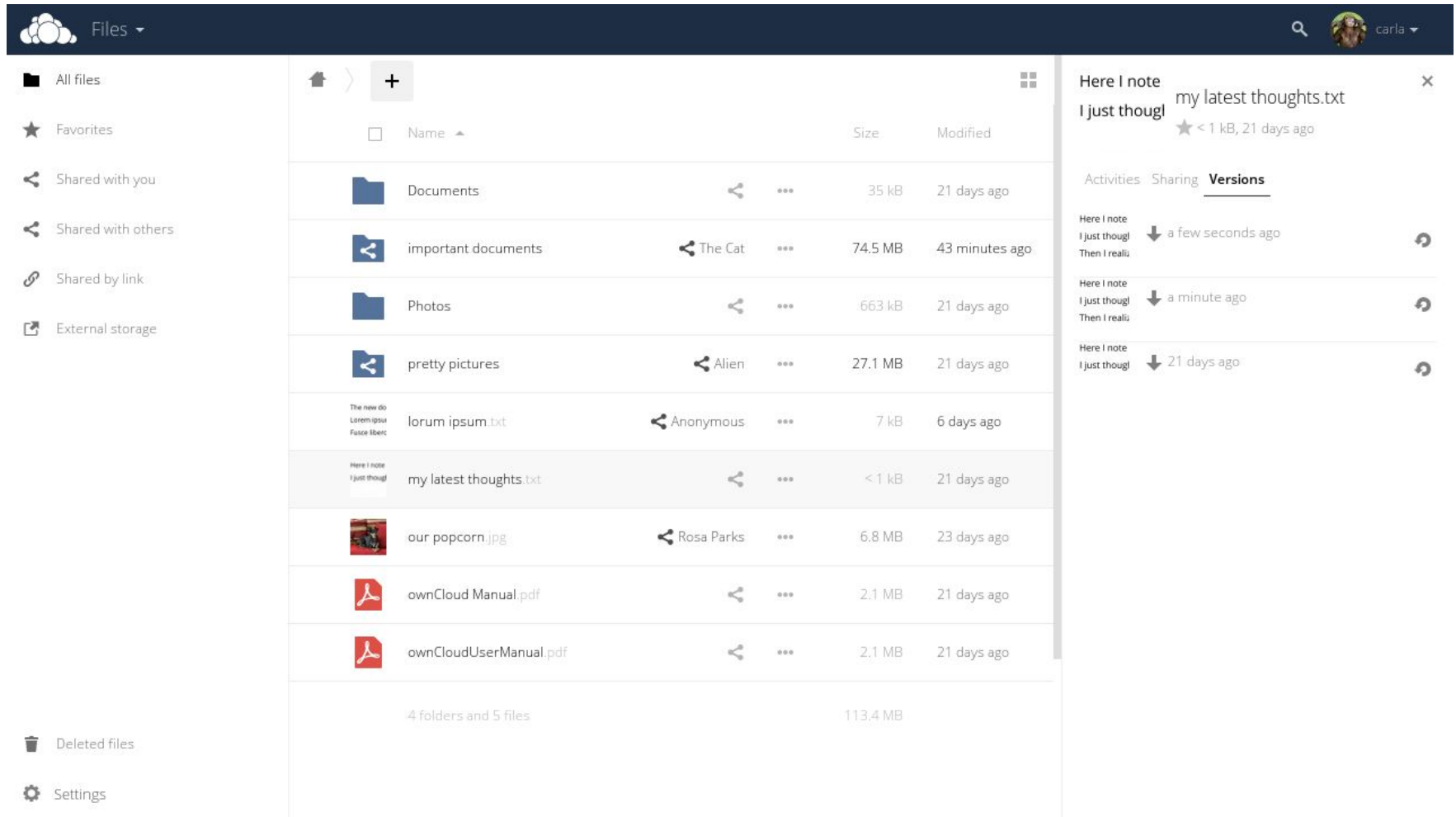
New sidebar: Sharing



The screenshot displays the ownCloud web interface. On the left, a sidebar lists navigation options: All files, Favorites, Shared with you, Shared with others, Shared by link, External storage, Deleted files, and Settings. The main area shows a file list with columns for Name, Size, and Modified. The file 'our popcorn.jpg' is selected and highlighted. On the right, a detailed view of this file is shown, including a thumbnail of a dog, the filename 'our popcorn.jpg', its size (6.8 MB), and the date it was shared (23 days ago). Below the thumbnail, there are tabs for 'Activities' and 'Sharing'. The 'Sharing' tab is active, showing a search box for sharing with users, groups, or remote users. Two sharing entries are visible: one for 'Alien' with options for 'notify by email', 'can share', and 'can edit'; and another for 'admin (group)' with options for 'notify by email', 'can share', and 'can edit'. A 'Share link' option is also present at the bottom of the sharing panel.

Name	Size	Modified
Documents	9.4 MB	7 minutes ago
important documents	74.5 MB	2 hours ago
Photos	663 kB	21 days ago
pretty pictures	27.1 MB	21 days ago
lorum ipsum.txt	7 kB	6 days ago
my latest thoughts.txt	< 1 kB	44 minutes ago
our popcorn.jpg	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	61 kB	31 minutes ago

New sidebar: Versions



The screenshot displays the ownCloud web interface. On the left is a sidebar with navigation options: All files, Favorites, Shared with you, Shared with others, Shared by link, External storage, Deleted files, and Settings. The main area shows a file list with columns for Name, Size, and Modified. The file 'my latest thoughts.txt' is selected. On the right, a sidebar for the selected file shows its name, size, and a 'Versions' tab. The 'Versions' tab lists three previous versions of the file, each with a download icon and a timestamp.

Name	Size	Modified
Documents	35 kB	21 days ago
important documents	74.5 MB	43 minutes ago
Photos	663 kB	21 days ago
pretty pictures	27.1 MB	21 days ago
lorum ipsum.txt	7 kB	6 days ago
my latest thoughts.txt	< 1 kB	21 days ago
our popcorn.jpg	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 my latest thoughts.txt
I just thought! ★ < 1 kB, 21 days ago

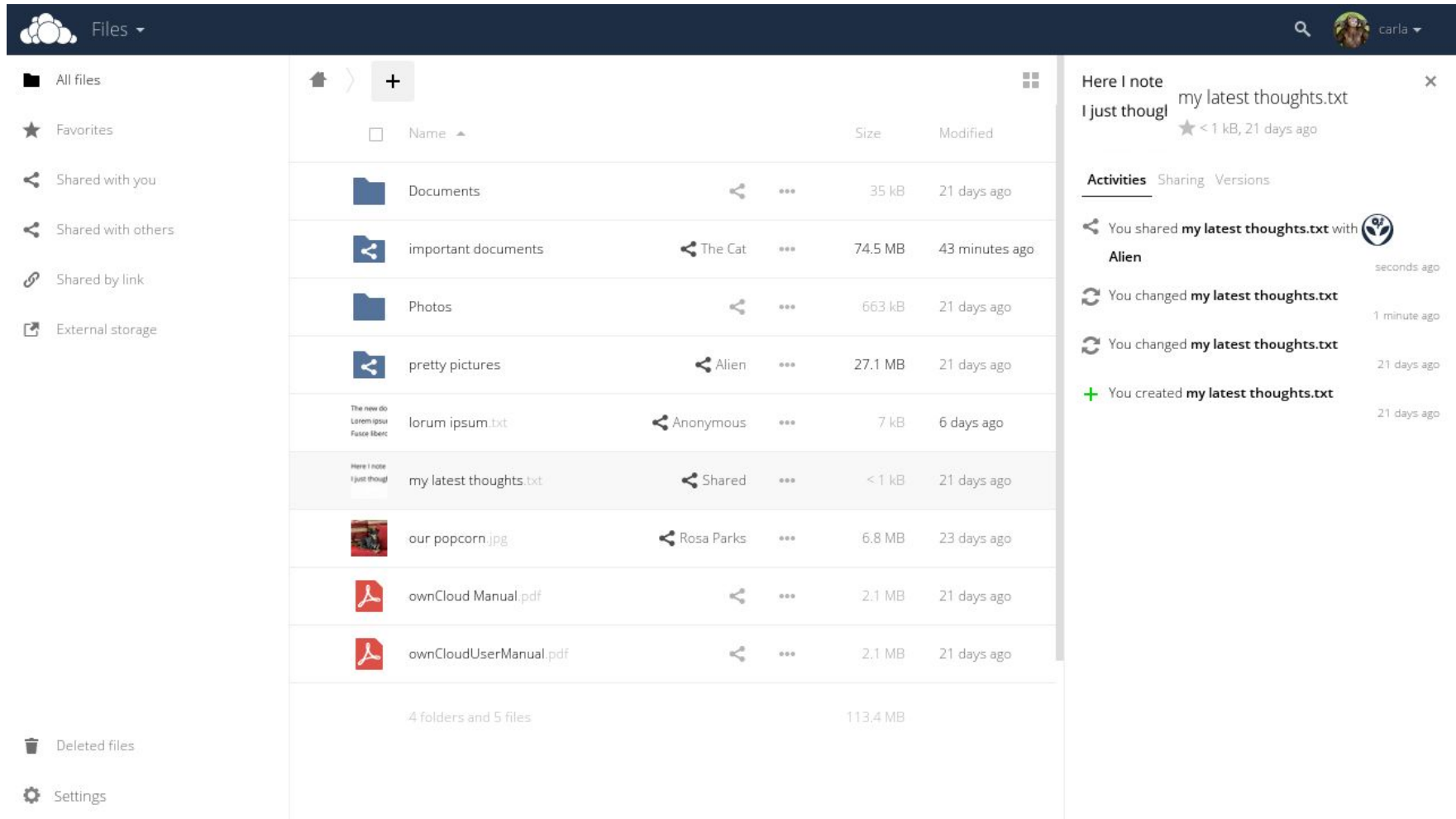
Activities Sharing **Versions**

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



The screenshot displays the ownCloud web interface. On the left is a sidebar with navigation options: All files, Favorites, Shared with you, Shared with others, Shared by link, External storage, Deleted files, and Settings. The main area shows a file list with columns for Name, Size, and Modified. The file list includes folders like Documents, important documents, Photos, and pretty pictures, as well as files like lorem ipsum.txt, my latest thoughts.txt, our popcorn.jpg, and two PDF manuals. On the right, an activities panel for the file 'my latest thoughts.txt' shows a list of recent actions: 'You shared my latest thoughts.txt with Alien', 'You changed my latest thoughts.txt', and 'You created my latest thoughts.txt'.

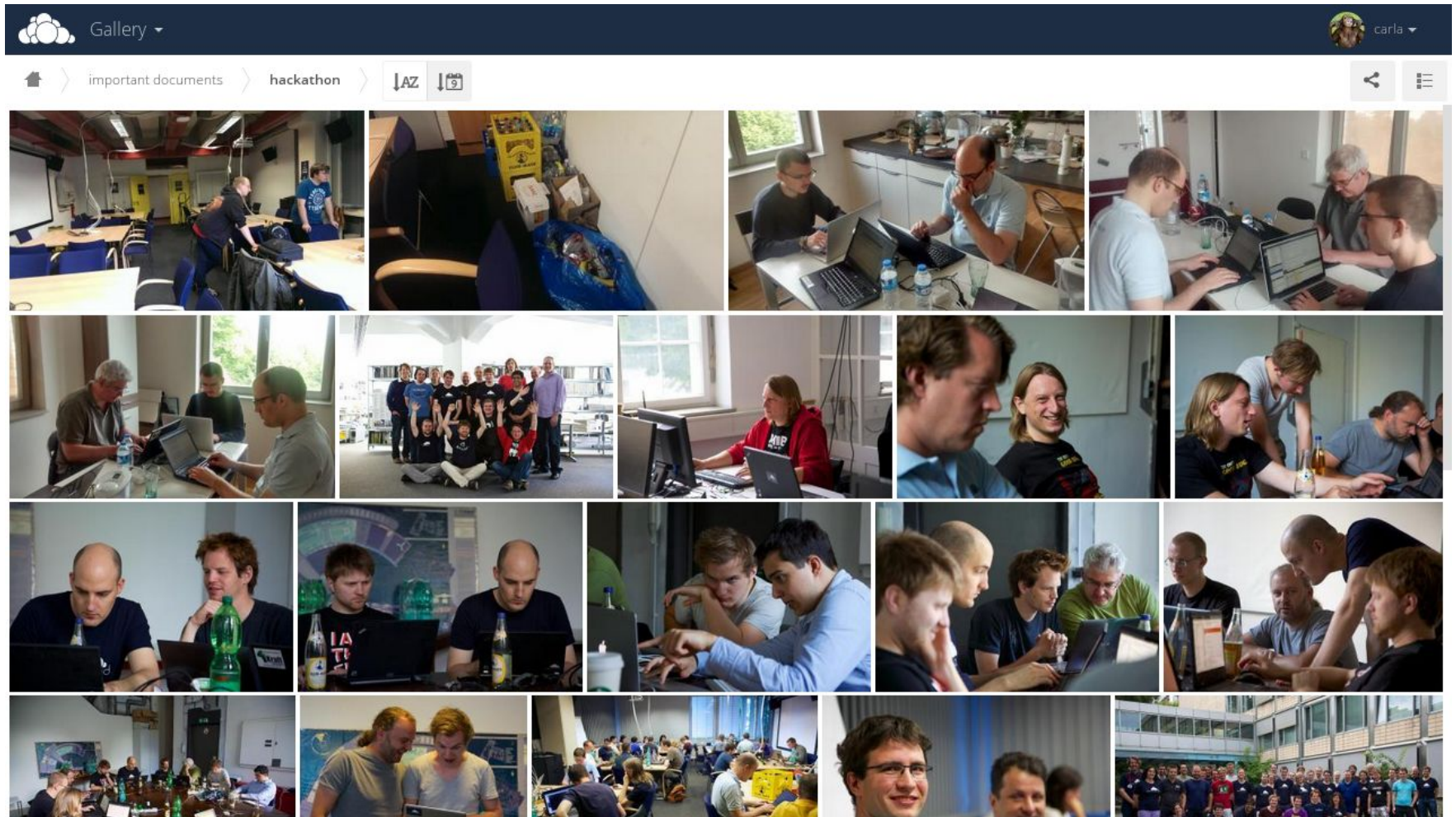
Name	Size	Modified
Documents	35 kB	21 days ago
important documents	74.5 MB	43 minutes ago
Photos	663 kB	21 days ago
pretty pictures	27.1 MB	21 days ago
lorum ipsum.txt	7 kB	6 days ago
my latest thoughts.txt	< 1 kB	21 days ago
our popcorn.jpg	6.8 MB	23 days ago
ownCloud Manual.pdf	2.1 MB	21 days ago
ownCloudUserManual.pdf	2.1 MB	21 days ago

4 folders and 5 files 113.4 MB

Activities for my latest thoughts.txt:

- 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, ...

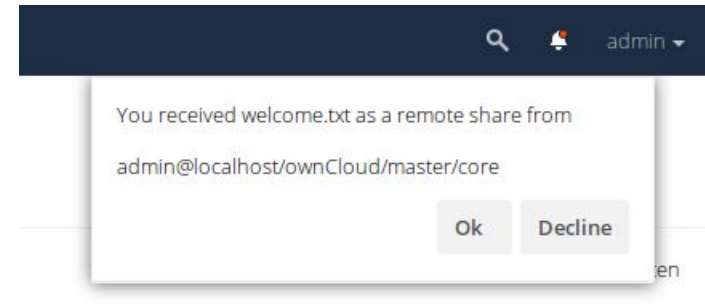


Gallery: Pan and Zoom



New for Admins

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



Announcement Center (app)



Announcements ▾

Add announcement

Announce

ownCloud update

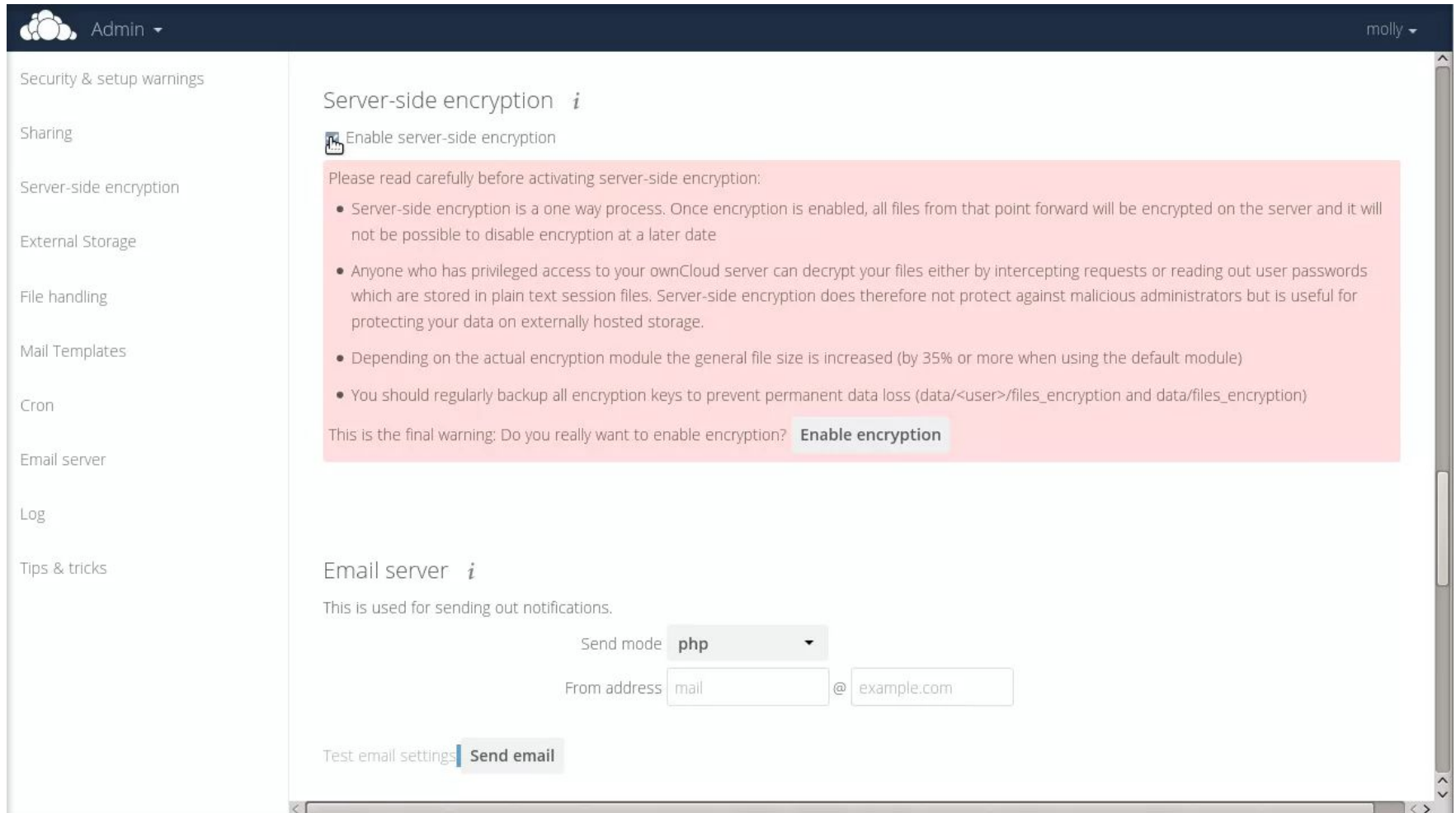
Administrator — September 7, 2015 8:56 AM

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 'Admin' interface of ownCloud. The left sidebar contains a menu with 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' and includes an information icon. Below the title is a toggle switch for 'Enable server-side encryption'. A large pink warning box contains the following text: 'Please read carefully before activating server-side encryption:'. It lists four bullet points: 1. 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. 2. 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. 3. Depending on the actual encryption module the general file size is increased (by 35% or more when using the default module). 4. You should regularly backup all encryption keys to prevent permanent data loss (data/<user>/files_encryption and data/files_encryption). Below the warning box is a confirmation message: 'This is the final warning: Do you really want to enable encryption?' followed by an 'Enable encryption' button. Below the warning box is the 'Email server' section, which includes an information icon and the text 'This is used for sending out notifications.'. It features a 'Send mode' dropdown menu set to 'php', a 'From address' input field containing 'mail', and an '@' symbol followed by an input field containing 'example.com'. At the bottom of the email server section are the links 'Test email settings' and a 'Send email' button.

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` :

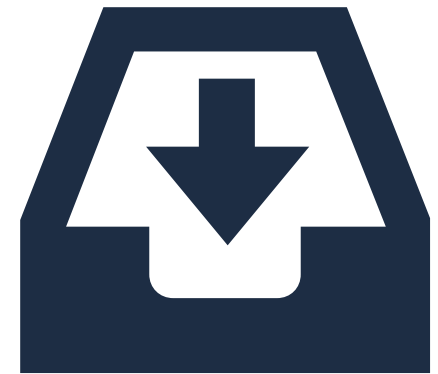
```
$ sudo -u www-data php occ app:enable encryption
$ sudo -u www-data php occ encryption:enable
$ sudo -u www-data php occ encryption:status
- enabled: true
- defaultModule: OC_DEFAULT_MODULE
```

`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?