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Functional design



Version 23, last updated by [wendy_mason](#) at 2014-11-06

Actors

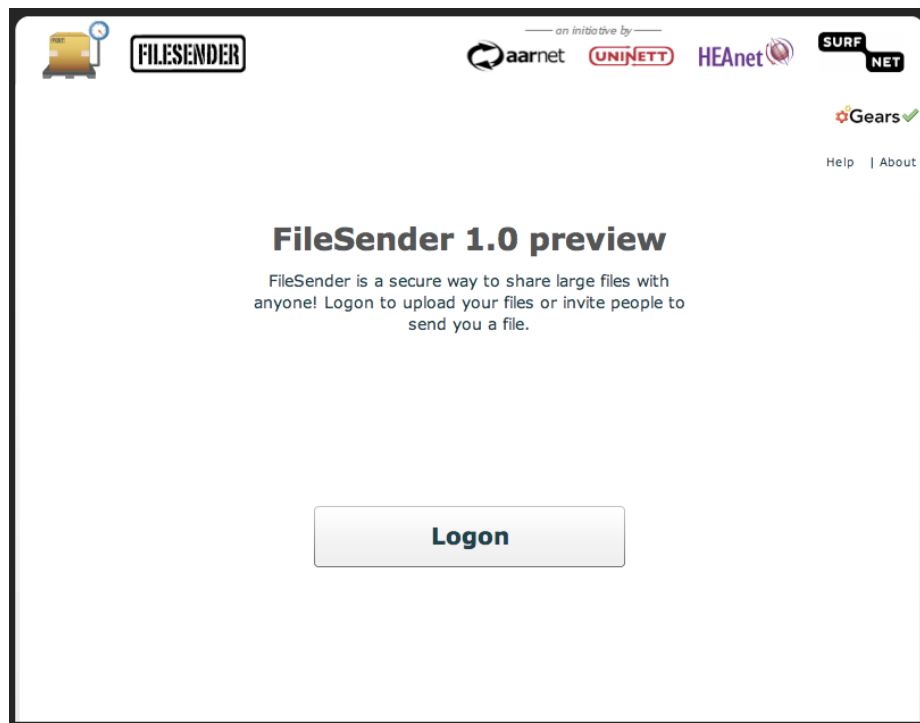
There are 4 types of entities that can influence the working of Filesender:

- An Authenticated user. He or she can upload, remove and share files. Also he can create and remove vouchers.
- A download user. He or she can download a file after receiving an email issued by an authenticated user.
- A voucher user. He or she can create one single download and share it. A voucher user can do this after receiving an invitation issued by an authenticated user.
- A cleanup daemon that removes expired downloads and vouchers. This daemon is time triggered.

Action sequences

Authentication

Login

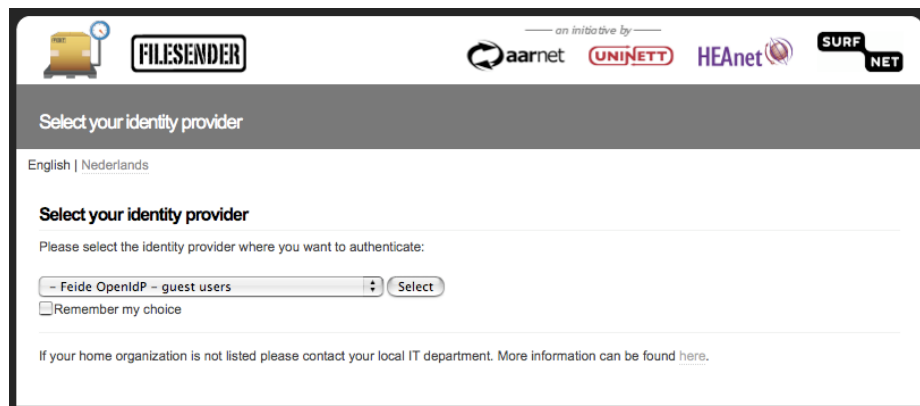


A user can become an authenticated user after login at the login screen.

Action:

- Press login - the user will be redirected to [Identity selection](#)

Identity selection



Here a user can specify the authenticated method. The options depends on the server configuration.

Action:

- choose an authentication backend

Authenticated menu

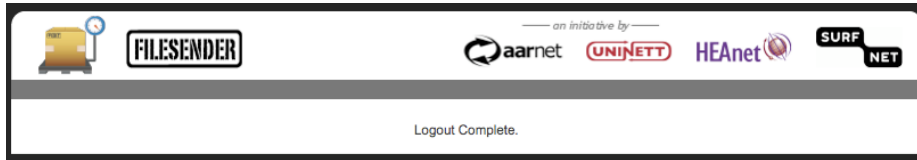
The menu is available to an authenticated user at all time.

Actions:

- [New upload](#) - will initial the new upload process

- [Vouchers](#) - will list the active vouchers
- [My files](#) - will list the active files
- [Help](#) - will redirect the user to a custom help page
- [About](#) - will redirect the user to a custom about page
- [Logout](#) - ends the authenticated user session

Logout



When an authenticated user presses the logout button, the session is ended and the user is prompted with a confirmation.

Actions:

- None

New upload

step 1

A screenshot of the FileSender web application's "Gears Upload" form. The header is identical to the previous screenshot. Below the header, there are navigation buttons: "New Upload", "Vouchers", "My Files", "Log Off", and a "Gears" icon with a green checkmark. The main content area is titled "Gears Upload" and contains a form with the following fields: "To:" (text input), "From:" (text input), "Subject: (Optional)" (text input with "Large file" entered), "Message: (Optional)" (text area with "Here is that large file you requested!" entered), "Expiry date:" (calendar picker showing "08-02-2011"), "File to Upload:" (a "Browse" button and the text "Archive.zip"), and "Size:" (text "46.23 MB"). Below these fields is a checkbox labeled "I accept the terms and conditions of this service" which is checked, and a text area for "AuP Terms and conditions". A "Send" button is located at the bottom right of the form. To the right of the form, there is a numbered list of steps: 1. Enter delivery email address(es), 2. Set expiry date, 3. Browse for a file, and 4. Click on Send.

Here a user can upload a file to the server and specify the email addresses of people who are allowed to download this file. Optionally an email subject and body can be specified. The file can be downloaded until the specified expire date.

Fields:

- Recipient email address(es)
- Email subject (optional)
- Email body (optional)
- Expire date

- File upload

Action:

- Send - will upload the file to the server. The user is redirected to [step 2 uploading](#).

step 2 uploading

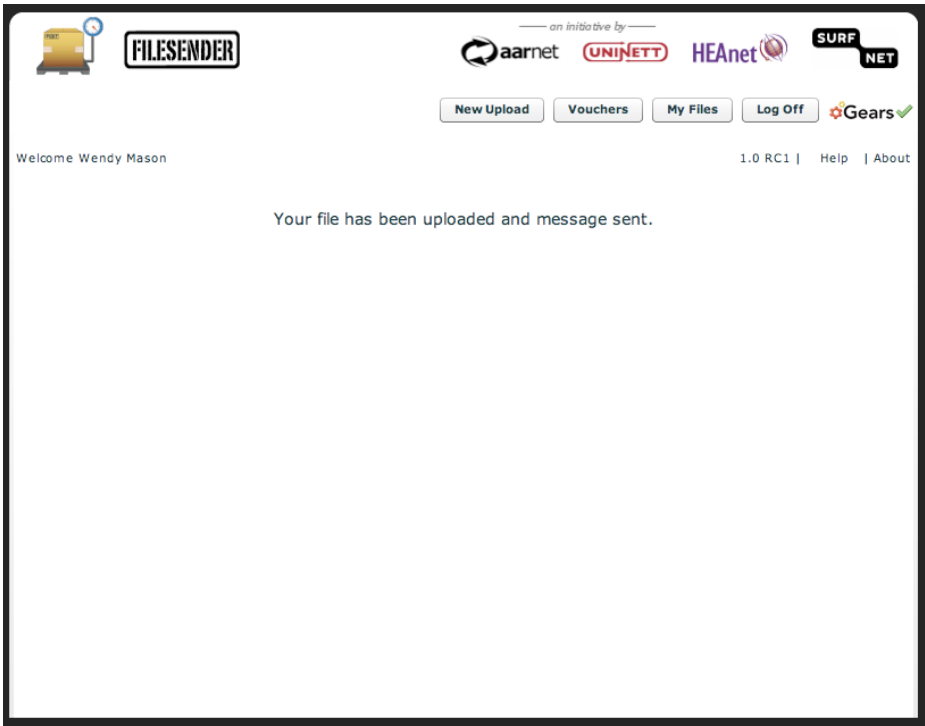
The screenshot shows the 'Gears Upload' interface of the FileSender application. At the top, there is a navigation bar with the FileSender logo, a tagline 'an initiative by' followed by logos for aarnet, UNINETT, HEAnet, and SURF NET, and buttons for 'New Upload', 'Vouchers', 'My Files', 'Log Off', and 'Gears'. Below the navigation bar, a welcome message 'Welcome Wendy Mason' is displayed on the left, and '1.0 RC1 | Help | About' is on the right. The main content area is titled 'Gears Upload' and contains a form with the following fields: 'To:' (empty), 'From:' (empty), 'Subject: (Optional)' (containing 'Large file'), 'Message: (Optional)' (containing 'Here is that large file you requested!'), 'Expiry date:' (set to '08-02-2011' with a calendar icon), and 'File to Upload:' (set to 'Archive.zip' with a size of '46.23 MB'). To the right of the form, a numbered list indicates the steps: 1. Enter delivery email address(es), 2. Set expiry date, 3. Browse for a file, and 4. Click on Send. Below the form, there is a checkbox labeled 'I accept the terms and conditions of this service' which is checked, and a link to 'AuP Terms and conditions'. At the bottom of the form, a progress bar shows 'Uploading 25%' and a 'Cancel' button is present.

When the Send button in step 1 is pressed the user is presented a 'uploading' screen, until the upload process is complete. After the user is redirected to [step 3 upload finished](#).

Actions:

- None

step 3 upload finished



When the upload is complete the user is presented with a 'upload completed' dialog. This is the final step in the new upload process. The server will send a email with a download URL to the specified addresses.

Actions:

- None

File Download

step 1 - email

Dear Sir, Madam,

The file below has been uploaded to FileSender 1.0 preview by [redacted] and you have been granted permission to download this file.

Filename	Filesize	Download link	Valid until
Archive.zip	46.23 MB	https://filesender.surfnet.nl/latest/?vid=2BAF96D0-5930-493C-7FEF-9BCA804FD93	08-Feb-2011

Personal message from [redacted] (optional):

Here is that large file you requested!

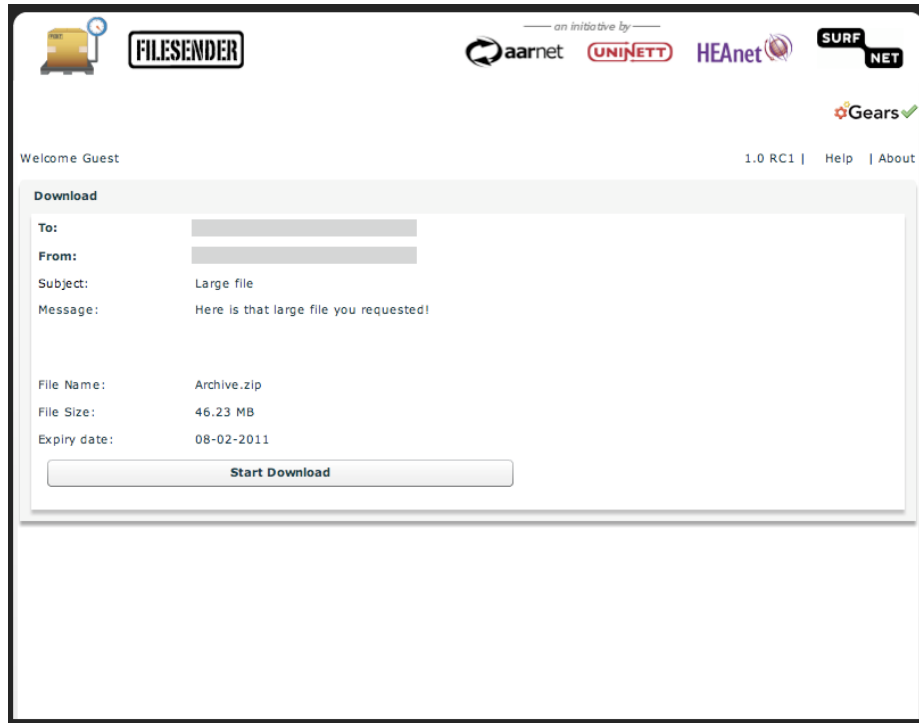
Best regards,

FileSender 1.0 preview

When a file is shared with a guest he will receive an email. This email contains the body and subject specified by the file uploader. Also it contains a URL which can be sued to download the file.

Actions:

- Press download URL, this will open [step 2 - Download screen](#)

step 2 - Download screen

The user is prompted with the file properties.

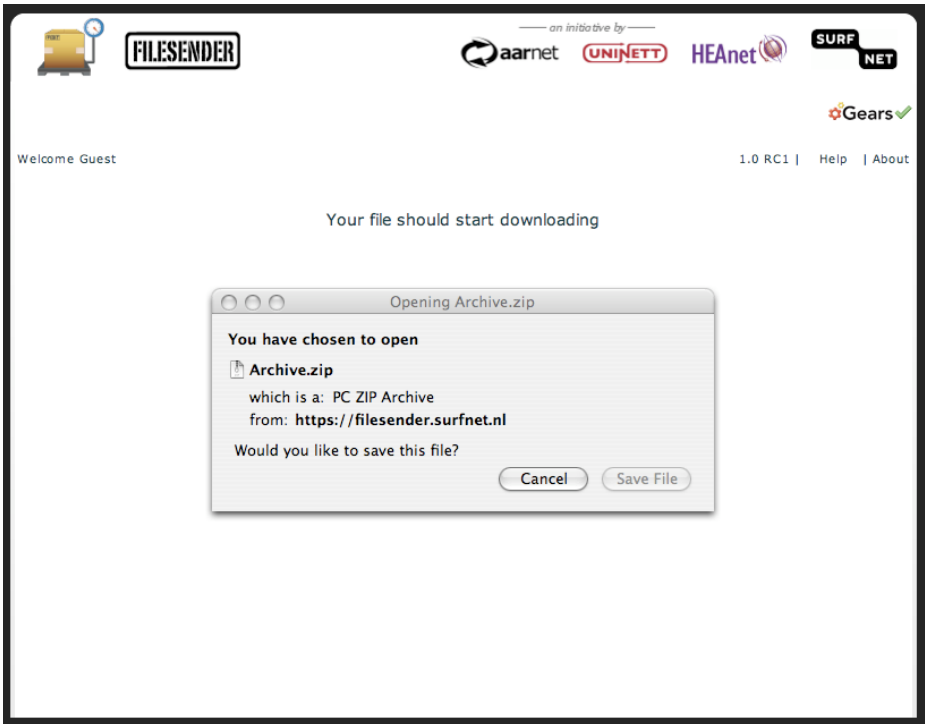
The properties are:

- Sender email
- Receiver email
- Email subject (if any)
- Email body (if any)
- File Name
- File Size
- Expire Date

Actions:

- Press 'start download'. The user is prompted with the browser download dialog, and continue to [Step 3 - file download](#).

Step 3 - file download

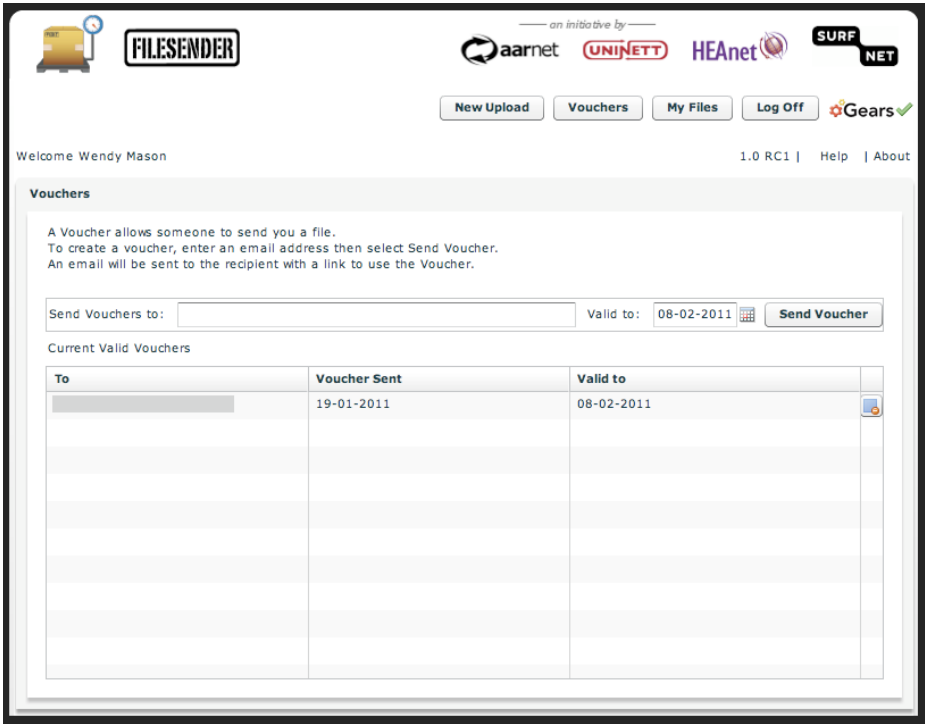


The user is downloading the file. The user can end the session, no actions are left.

Actions:

- None

Vouchers



Here an authenticated user can create and remove vouchers. Vouchers can be send to an email address.

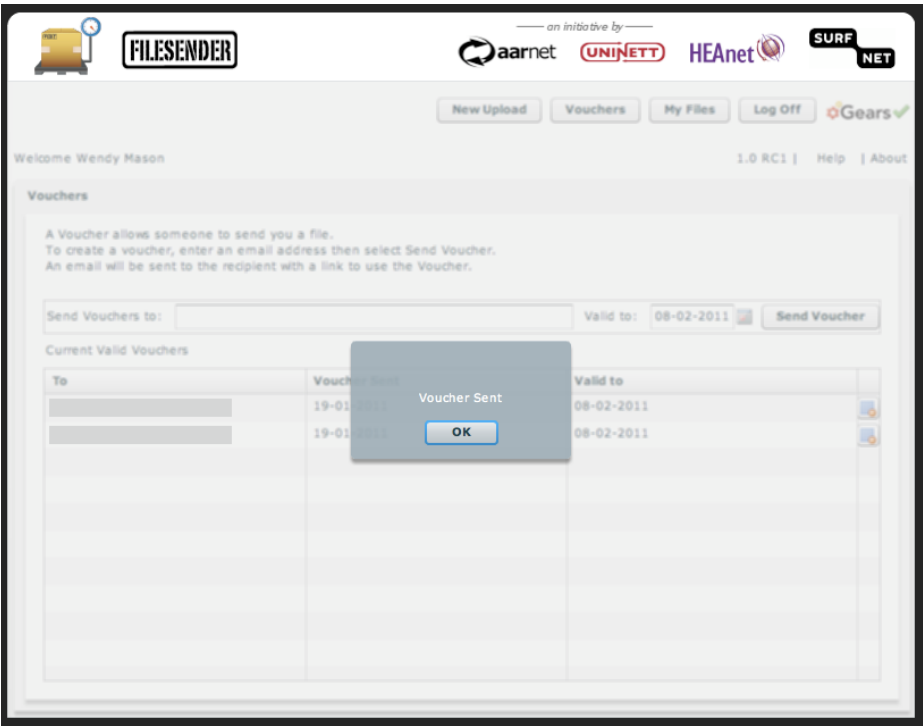
parameters:

- 'send voucher to:' required to create a voucher

Actions:

- Press 'send voucher' which will give the [Create voucher](#) dialog.
- Press the delete voucher linked to a voucher (if any), which will give the [delete voucher](#) dialog.

Create voucher



When an email address is specified and 'send voucher' is pressed the user is prompted with a notification.

Actions:

- OK button, will return user to [Vouchers](#).

Use voucher

Dear Sir, Madam,

Please, find below a voucher which grants access to FileSender 1.0 preview.

With this voucher you can upload once one file and make it available for download to a group of people.

Issuer	Voucher link	Valid until
	https://filesender.surfnet.nl/latest/?vid=9CCAE634-2865-0424-3070-9CC617F4003D	08-Feb-2011

Best regards,

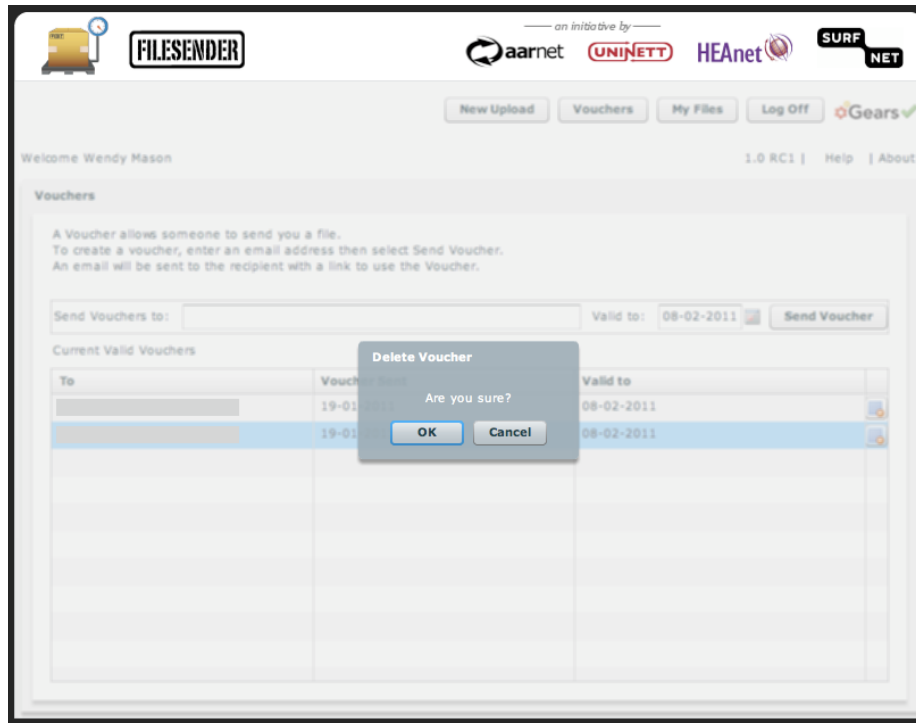
FileSender 1.0 preview

When a voucher is created by an authenticated user an email is sent to the specified user.

Actions:

- Open URL in email. This will bring the user to a filesender installation and he can upload a file. This is the same action sequence as [New upload](#)'.

delete voucher

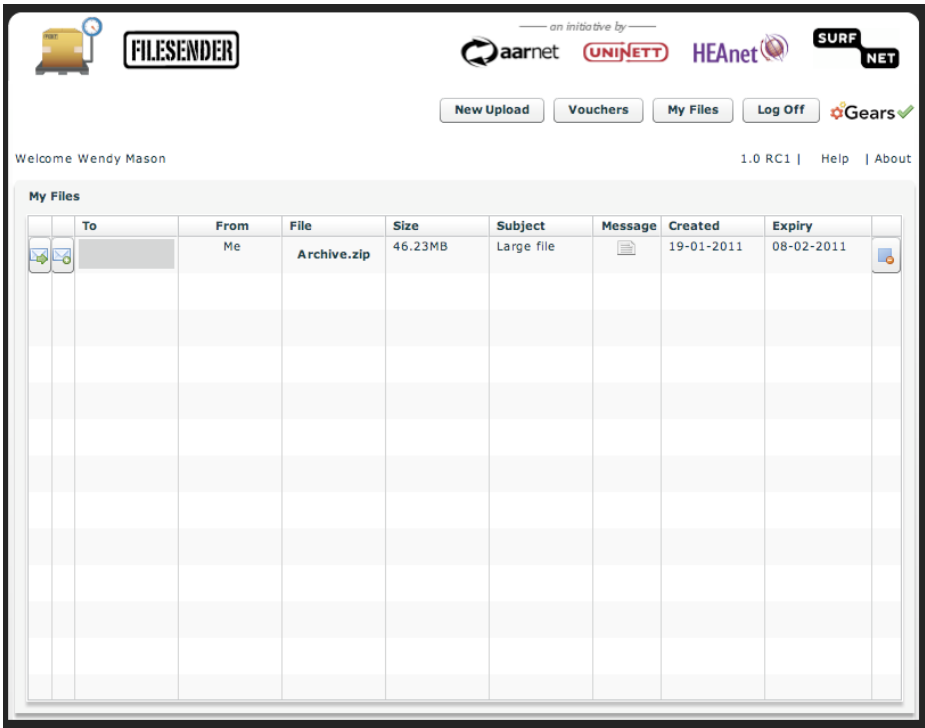


When a user presses the delete button linked to a voucher he is prompted with a confirmation dialog.

Action:

- confirm deletion. After the user is returned to [vouchers](#).

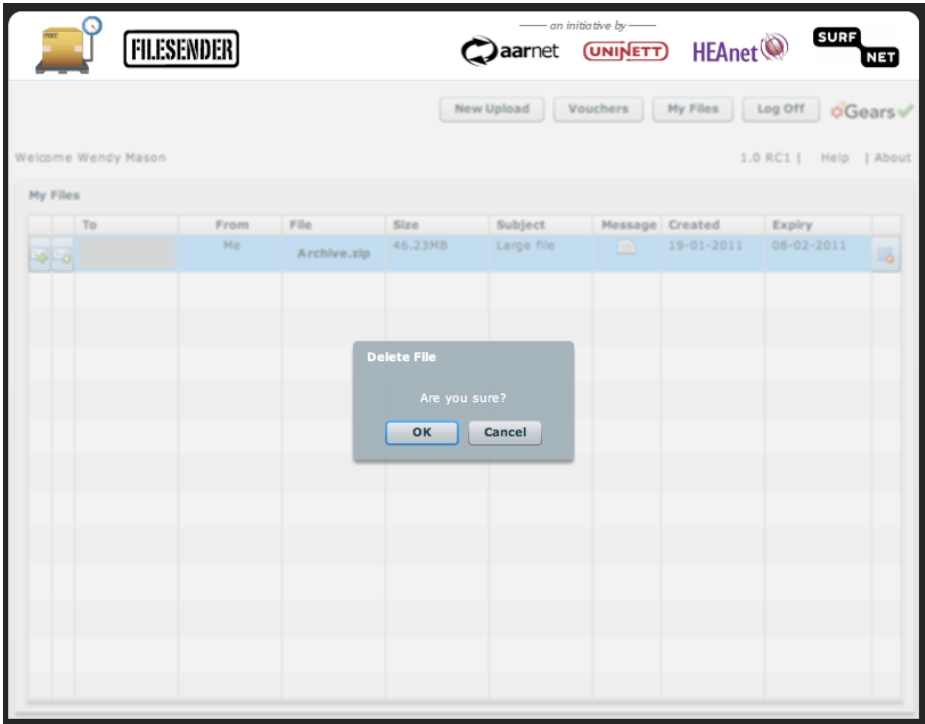
My files



Here an authenticated user can see his or her uploaded files. Also he can remove one or more of them.
action:

- Delete a uploaded file, the user is prompted with a [delete file](#) dialog.

delete file



When an authenticated user presses the delete button linked to a uploade file, the user is prompted with a

confirmation dialog.

action:

- Confirm, will delete the file and the user is returned to [My files](#).
- cancel, don't delete the file and return to [My files](#).

Comments are disabled for this space. In order to enable comments, Messages tool must be added to project.
[You can add Messages tool from Tools section on the Admin tab.](#)