

Roadmap

This page outlines the FileSender release roadmap.

- New features are typically prototyped in a playground branche. We strive to have fully functional prototypes and development snapshots, the proof of the pudding is in the eating.
- Code security audits are conducted for each production release. Depending on the level of field testing desired code security audits may be done for alpha and beta releases as well.
- The development workflow once there is a baseline version is: playground -> QA -> integrate in trunk -> QA/develop automatic tests -> decide what to include in new release -> release branche -> QA -> release

Future roadmap

All items listed here are in planning stage. If you wish to influence development planning to speed up certain features please consider making an earmarked contribution and contact jan.meijer@uninett.no or guido.aben@aarnet.edu.au

- Standard usage statistics module. Prototype was built in 2012 and in use by RNP and UNINETT. No current activity
- Port encryption feature from 1.6 to version 2.0.
- Integration with external cryptographic timestamper
- Stronger download authentication
- UI review by user interaction design expert + implementation of recommendations: make the UI look really good
- Universal Access review + implementation recommendations: ensure FileSender can be used by anyone
- Better strategies for populating recipients (addressbook integration?)

Current roadmap

FileSender version 2.0 (in progress)

Status per 16 February 2015: based on the prototype built in the 2nd half 2013, production code work started summer 2014. A very usable 2.0-alpha code is now available for testing and actively being tested by both RENATER and UNINETT. Installation documentation is available. Configuration documentation is rudimentary. The 1st security audit has been performed, no structural issues found. Those issues found have been addressed. A 2nd security review is on its way. RENATER expects to make version 2.0 available to its customers around April 2015. The project still has a way to go before we can release a beta, documenting and testing will take its time.

Features:

- full multi-file support: upload, download, MyFiles, email receipts and automatic transaction deletion
- drag & drop support
- generalised user option mechanism, option availability is configurable server side

- user has fine-grained control over email receipts sent
- smaller privacy footprint
- new database design
- systematic audit trail logging
- audit trail available for user
- UI templating mechanism
- REST API
- and more

Client-side encryption (in progress)

Status per 7 January 2016: this is released in release 1.7-beta1. There is one main known issue: because of the way decryption can be implemented using current browser technology, downloads of encrypted files larger than say 250 MB may lead to browser crashes.

Features:

- 100% browser-based client-side encryption and decryption of files
- does not handle key management (!)
- cryptosystem security audit executed
- code runs production @ SURFnet

Completed roadmap

FileSender version 1.6, released 26 July 2014

- High-speed upload module 'terasender'
- auto-complete email addresses in To: field based on previous recipients for a particular user
- refactored MyFiles, file download dates provide audit trail when download Cc:s switched off
- support for configurable footer via language file
- support for optional Subject and Message in guest use voucher
- support for multiple From: addresses from authentication source
- ability to prevent file recipients receiving an email for each download (config option *download_confirmation_to_downloader*)
- Support for SQLite database

FileSender version 1.5, released 3.3.2013

- Improved backend
- Native HTML5 and JavaScript UI to replace Flash UI
- Fallback to flash upload component to ensure progress bar for non-HTML5 browsers
- Multi-language support
- Database abstraction layer with support for MySQL and PostgreSQL
- Robuster upload process
- Improved logging

FileSender 1.1, released 5 November 2011

- Replaced Google Gears with HTML5 FileAPI for uploads > 2 GB
- Removed Google Gears dependency

FileSender 1.0, released 31 January 2011

- initial production release
- Flash based UI
- Flash for uploads up to 2 GB
- Google Gears browser plugin for uploads > 2 GB
- using SimpleSAMLphp to integrate with various authentication mechanisms (SAML2, RADIUS, LDAP, etc.)
- guest voucher mechanism to allow guest users to upload files
- cancel/resume uploads (for Gears uploads)
- download files multiple times, from link with built-in password in auto-generated email, or directly from interface by authenticated user
- automatic deletion of shared files and issued vouchers after X amount of time, or manual deletion by authenticated user any time prior to expiry
- email notification each time a file is uploaded, downloaded or manually deleted, or a voucher is issued or manually deleted
- MyFiles to show current shared files and unused guest vouchers
- user can resend download link emails to file recipients without re-uploading the file
- add additional recipients to already uploaded files
- UTF8 support, supports all international character sets