

Workplan2010

1. Ship version 1.0 release. *fix security audit issues* fix bugs *include remaining crucial features
2. HTML 5.0 UI prototype: Create a HTML 5.0 prototype of the FileSender front end. Background is the impending halt in development of Google Gears in favour of HTML 5.0: [<http://www.pcmag.com/article2/0,2817,2356492,00.asp>] (<http://www.pcmag.com/article2/0,2817,2356492,00.asp>). Note that the Gears plug in will be maintained for a while to come, but we have to prepare for its demise. A HTML 5.0 front end could also do without Flash possibly removing our dependency on any plugins. (change this in a more positive wording: HTML 5.0 seems the way to go :)
3. Move administrative UI in PHP: Currently the administrative functions are implemented in the Flash UI. Moving these to PHP disconnects the administrative UI from the end-user UI and rids us of the requirement to have Flash to access the administrative UI. This move will allow us to easily connect multiple end-user UIs to the backend without affecting the administrative UI.
4. Allow for multiple storage backends, including Amazon S3 for overflow (ticket [#46](#))
5. UI improvements:
 - multiple file upload (ticket [#47](#))
 - adding new recipients to existing download (ticket [#62](#))
 - enable file management for uploaders (ticket [#6](#))
 - upload speed indicator (ticket [#92](#))
 - Parallellise upload/download (ticket [#100](#))
6. Investigate and implement scalability and resiliency
 - Investigate how to allow the FileSender platform to scale to 100.000s of users and implement the necessary features
 - Investigate how to establish a resilient FileSender installation and
 - implement the necessary features
7. Investigate and implement virtual organisation support. Through the Geant3 project support for virtual organisations will be added to identity federations.
 - Investigate how support for this new functionality in identity federations can be leveraged in FileSender
 - Implement the possible features
8. Investigate client-side encryption option with HTML5.0 UI. We have had a desire to allow for client-side encryption of transferred files but in our current implementation this proved to be prohibitively unpractical. When the HTML5.0 prototype is working we will investigate whether client-side encryption would be practically conveyable in that UI.