

## File Gallery - Direct Mapping

See also: [File Gallery Revamp](#)

Note: If a file is too big to upload via the web interface, site admin can upload manually, and then manage via Tiki (ex.: give it meta-data). Currently, the way to do this is [Batch Upload](#).

We could enhance the File Gallery feature to have two modes per file gallery:

- Abstraction (the default)
- Direct mapping or pass-through / path preservation (a new mode to be added)

## Essential features

- We still need to be able to move files back and from the two file gallery types

## Questions

- How would Tiki know there has been some changes to the files (additions / removals)?
  - To update the meta data in the Tiki database and apply operations (ex.: [Watch](#))
- If a file is renamed, how does Tiki know it was renamed, and not a deletion, and addition (which would lose any meta data about the file)
- How to deal with version history of files? (Perhaps use the same format as Syncthing)
- What happens when a folder is created? It should not be possible to have an "Abstraction" file gallery as a child of a "Direct mapping" file gallery.
- How is security handled? Permissions would have to be for whole folder? and folder should ideally be stored outside the web root.
- How to deal file content indexing?

## Ideas

- Kolab has an XML for each file, that has the meta data:  
[https://wiki.kolab.org/Kolab\\_3.0\\_Storage\\_Format](https://wiki.kolab.org/Kolab_3.0_Storage_Format)
- [Tech background about File Galleries by Louis-Philippe](#)
- To be future proof, perhaps we should add an abstraction layer like [Flysystem](#), [Gaufrette](#) or [others?](#)
  - [Flysystem](#) has 36 million downloads. And it connects to [SabreDAV](#) too.
- Do only via elFinder (no legacy UI mode):  
<https://github.com/Studio-42/elFinder/wiki/Connector-configuration-options-2.1#localfilesystem>
  - <https://github.com/barryvdh/elfinder-flysystem-driver>

## Related links

- [PluginFTP](#)
- [ClearOS Flexshares](#) as part of [WikiSuite](#)
- <http://elfinder.org/> Can also be used as a new front-end for the [file gallery revamp](#)
- <http://ajaxplorer.info/> (AGPL)
- <http://www.net2ftp.com/>
- <http://explorer.net/>
- <http://code.google.com/p/fileexplorerxp/>
- <http://www.dreamcss.com/2009/07/file-managers-based-on-jquery-ajax-php.html>
- <http://stackoverflow.com/questions/5774497/does-anyone-know-of-a-jquery-ftp-browser-plugin>
- [https://code.google.com/p/msys-file-manager/source/browse/branches/dirLIST\\_0.3.0/README](https://code.google.com/p/msys-file-manager/source/browse/branches/dirLIST_0.3.0/README)
- [https://www.ohloh.net/p?page=2&q=ftp+php&sort=active\\_committers](https://www.ohloh.net/p?page=2&q=ftp+php&sort=active_committers)
- <https://github.com/DirectoryLister/DirectoryLister>

alias

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[FTP client](#)

[Web FTP client](#)