

Syncthing in WikiSuite

This is to brainstorm, make a roadmap and eventually develop interoperability between [Syncthing](#) and [Tiki Wiki CMS Groupware](#) in the context of WikiSuite.

We will use Tiki to complement Syncthing's feature-set to make an awesome full-featured file sync server. For example:

- Syncthing has no concept of users, just devices. So we could map devices to Tiki users.
- Syncthing can't be used to share files via an email. Tiki already does this: <https://doc.tiki.org/Share>

Tiki-Syncthing interop

See <https://doc.tiki.org/File-Gallery>

Use cases

- Isabelle has a directory of all files related to design, with subfolders by client.
- Marcel works on various files, and Charles and others need access
- Files that are generated by a job or process
- Nathalie needs to privately share a video and has this problem: <https://xkcd.com/949/>
 - In the mean time, for non-private videos: <https://framabin.org/> <https://framadrop.org/>

Wants

- Link to latest version of a specific file
- List all files (sorted)
- List only files from a specific customer
- List recent changes
- Compare with previous version (we'd need viewers / converters)
- Embed most recent version in relevant viewer (ex.: pdf.js, PluginMediaPlayer)
- Share a file by email. So a unique URL permits to download a file which is managed by Syncthing -> <https://doc.tiki.org/Share>
 - Useful for big files

Wiki Syntax

```
{syncthing folder=abc sort=lastmodified startatsubfolder="UQAM"}
```

Related feature requests on the Syncthing site

- [URL scheme to add/create/share folders/devices \(i.e. syncthing://...\) #776](#)
- [Seafile-like user separated logins? #2970](#)

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

- The Syncthing developers didn't seem very enthusiastic... - Benoit
 - Indeed. I think enthusiasm will grow as initial use case matures and as enterprise usage grows.
Whatever won't be done in Syncthing will need to be done in Tiki
- [Private multi-user sync server](#)
- [File Access API](#)
 - <https://www.openhub.net/p/freehold> is suggested
- Selective download in Syncthing still seems to be pretty limited:
 - [Selective download #81](#)
 - [Next Gen Ignores: Requirements #2491](#), seems to be the master ticket of where Syncthing is actually going with this

Related pages

- [Syncthing](#)
- [Why Syncthing](#)
- [Syncthing development](#)
- [How to install Syncthing on Virtualmin](#)
- [Virtualmin and Syncthing for automated offsite backups](#)

Related links

- <https://packagist.org/packages/terzinnorbert/syncthing-php>
- <https://dev.tiki.org/File-Gallery-direct-file-mapping-mode>
- [A PHP implementation of the pulse/syncthing cluster discovery protocol](#)
- <http://flysystem.thephpleague.com/>
- <https://studio-42.github.io/elFinder/>