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TagSpaces User Manual

for version 2.6.0 and later

Status of this document

This documentation has currently a draft status

General remarks

- **pro** - means that the described feature is part of the TagSpaces PRO
- ☱ - means that the section is not ready yet and may contain unclear or not up-to-date information

What is TagSpaces ?

TagSpaces is an open source, cross-platform, no backend, no login, no cloud personal data manager and file navigator. It helps organize your files, photos and other documents with tags on different platforms and/or devices, according to your own preferences and following your own logic, by using the same smart and friendly interface everywhere.

Products landscape

- Desktop version
- Desktop PRO version
- Firefox webclipper addon
- Chrome webclipper and file browser extension
- Android app lite
- Android app
- IOS app (beta)
- WebDAV based package for selfhosting

Contribution

Enhancement of this documentation are welcomed via pull request. For the markdown syntax used for the document please refer to [gitbook markdown page](#)

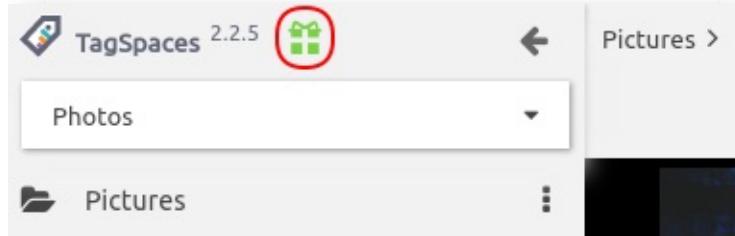
Licensing notes

TagSpaces is an open source software, and the code of the application's core is published under the AGPL License. Almost all build-in extension are published under the MIT license. As such, the code is publicly available on GitHub and forking is particularly recommended.

Installation and Setup

New version notification

Once a new version of the application is available, you will see a green present icon near the TagSpaces logo. Clicking on this icon will lead you to the what's new webpage on the TagSpaces website. Here you can download the new version of the application.



If you do not want to TagSpaces to check for the

availability of new version, disable this functionality in the [settings](#)

Installing Windows version

The Windows version of TagSpaces is distributed as `.zip` file, which can be downloaded for [32bit](#) and for [64bit](#) versions of Windows, depending on your system. Then you have to just unzip the downloaded file in a folder of your choice somewhere on your system. In the unpacked folder you will find a file called `tagspaces.exe`, which can be executed with double click.

Updating the Windows version

Just exchange the content of your current installation, with the content from the zip-file of a newer release. You don't have to worry about your tag library and locations since they are persisted in the users home folder.

Installing OS X version

For OSX 10.9 or later you have to download the [64bit](#) of the application. Then you have to double click the downloaded zip file in Finder to unpack it properly. Some users are reporting issues with unpacking the app with some 3th-party zip utils.

Note: By default Mac OSX does not allow TagSpaces to be executed with a simple double click, because it is currently not digitally signed. To work around this, right-click the TagSpaces.app folder and choose Open, then click Open on the dialog that appears. You need to do this just once.

Updating the OS X version

Just exchange the content of your current installation, with the content from the zip-file of a newer release. You don't have to worry about your tag library and locations since they are persisted in the users home folder.

Installing Linux version

The Linux version of TagSpaces is distributed as `.tar.gz` file, which can be downloaded for [32bit](#) and for [64bit](#) Linux versions, depending on your system. Then you have to just unpack the downloaded file in a folder of your choice somewhere on your system. In the unpacked folder you will find a file called `tagspaces`, which can be executed with double click or in a terminal. We also offer 64bit [deb](#) and [rpm](#) packges for respectively Debian and Red Hat based distributions.

Updating the Linux version

Just exchange the content of your current installation, with the content from the tar.gz-file of a newer release. You don't have to worry about your tag library and locations since they are persisted in the users home folder.

Installing Android version

You can install the Android app directly from the [Google Play Store](#).

Updating the Android app

Once we publish a newer version of the Androi app, it will be automatically installed on your mobile device within the following days.

Installing the Firefox Addon

Download the [Add-on for Firefox](#). Open the **Add-on tab** in Firefox from the main menu and then click on the **Add-on** puzzle icon, or simply type `ctrl+shift+a` or `command+shift+a`. In the opened new tab, go to the settings dropdown on the left of the search field and select **Install Add-on From File....** Then choose the downloaded file and follow the instructions.

You can also find TagSpaces in the Mozilla's addon store, but consider that the version there could be some months old due to their slow approval process.

Once installed the add-on can be started from the TagSpaces icon in the right upped corner of the browser or from the browser's main menu **Tools > TagSpaces**.

Updating the Firefox addon

Once a newer version of the Firefox addon is approved for the Mozilla store, it will be automatically installed on your Firefox browser within the following days.

Installing the Chrome Extension

You can install the Chrome extension directly from the [Google Chrome Store](#).

Installation from the TagSpaces webpage

An alternative way is get the extension directly from [our download page](#). If you do so, please consider the following instructions:

- Download the extension file from the link above and save it to your computer.
- Click the settings icon on the browser toolbar.
- Select **Tools > Extensions**.
- Locate the extension file on your computer and drag the file onto the Extensions page.
- Review the list of permissions in the dialog that appears and click **Install**.

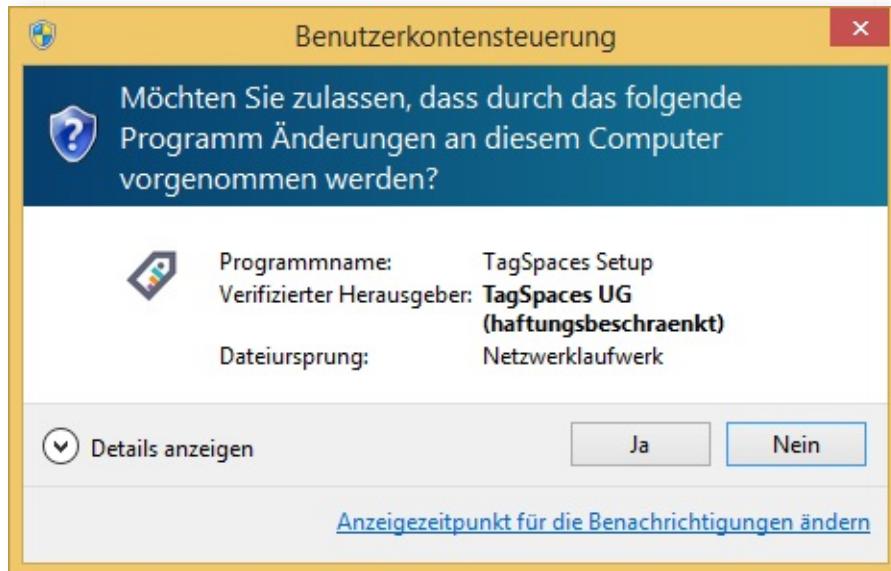
After the installation, the TagSpaces extension can be started from the TagSpaces icon in the right upper corner of the browser.

Updating the Chrome extension

Once we publish a newer version of the Chrome extensions on the Chrome store, it will be automatically installed on your Chrome browser within the following days.

Installing TagSpaces PRO

Under Windows and OS X we are providing installer for TagSpaces PRO, which are signed with modern certificates. The following screenshot show this certificate in action during the installation under Windows.



Here are the steps needed for installing the PRO version on your system.

- Save the installer file to a location on your hard drive.
- Locate the installer and double-click to start the install process.
- The Windows installer allows you to specify a custom install location.

Updating the PRO version

Just run the installer from a newer version of TagSpaces. It will automatically update your installation.

Running TagSpaces in portable mode

The Windows and Linux versions of TagSpaces can be started in the so called portable mode, allowing the use of the application from an USB-stick or other portable devices. In this mode all the configuration information such as tags, tag groups and connection to locations is stored in the folder from where the application is started and not in the home user folder on current operating systems. The portable mode can be started with the `tagspacesp.cmd` script under Windows or the `tagspacesp` under Linux. These scripts are located in the unzipped application folder. Under Linux you have eventually to make this script executable with this command `chmod +x tagspacesp`.

Selfhosting TagSpaces

Motivation

Almost since the very first releases of TagSpaces back in the 2013, many users did requested a server based version of TagSpaces. They wanted to use the convinient tagging workflow of TagSpaces on their self hosted ownCloud or in general WebDAV instances. So starting from today this is possible, TagSpaces can now run on servers and once installed you can access your files from anywhere.

Installation

In order to test the hosted version you need a working WebDAV server. The current release was tested with success on [ownCloud](#) which is based itself on the [sabre/dav](#) WebDAV server. On Ubuntu my installation steps are the following:

- Install Apache
- [Install ownCloud](#) or any other WebDAV server
- Unzip the hosted version of TagSpaces somewhere in the www root folder of Apache. Currently the TagSpaces should be on the same host/ip and using the same port as the WebDAV server. This is so because of the XSS prevention build in the modern internet browsers.
- Assuming ownCloud is installed in `/var/www/owncloud` and TagSpaces in `/var/www/tagspaces` you have to type something like this in your terminal:

```
cd /var/www
sudo chmod -R 755 tagspaces
sudo chown -R your_www_group:your_www_user tagspaces
```

- Open your browser and enter: `127.0.0.1/tagspaces`. The TagSpaces UI should be loaded.
- Create a new location with the following path: `/owncloud/remote.php/webdav`
- Give a name to your location and save.
- A dialog for credentials entering will appear. Enter here your ownCloud username and password.
- That's all, you can now browse your ownCloud files in TagSpaces.

The screenshot shows the TagSpaces interface running in a Chromium browser. The left sidebar contains navigation buttons for 'Smart Tags' (now, today, tomorrow, yesterday, month, year), 'Priorities' (high, medium, low), 'Ratings' (1star, 2star, 3star, 4star, 5star), and 'Tags in Perspective'. The main area displays a table with columns for 'File Ext.', 'Title', and 'Tags'. The table contains the following data:

File Ext.	Title	Tags
TXT	Example title	done, 20140509
MD	Example title	done
HTML	Demo HTML Editor	20140415, 3star
ODT	Example ODF document	high, 20140319-231155
PDF	ruecksendung	todo
PNG	Screenshot_2014-04-10-17-23-42	todo

At the bottom, there are icons for file operations and a message: 'webdav ▶ 12 files found'.

- It is interesting to mention that you can open also your ownCloud contacts by creating a location with a path like `/owncloud/remote.php/carddav/addressbooks/ilian/contacts`. This does not make currently much sense, because you only see a list with VCF files, but who knows perhaps somebody will write a contacts perspective and VCF viewer for TagSpaces some day.

Download

The current version can of the WebDAV version can be downloaded from [here](#). Please note, that current status of the implementation is a technology preview, which is not suitable for production site on the Internet

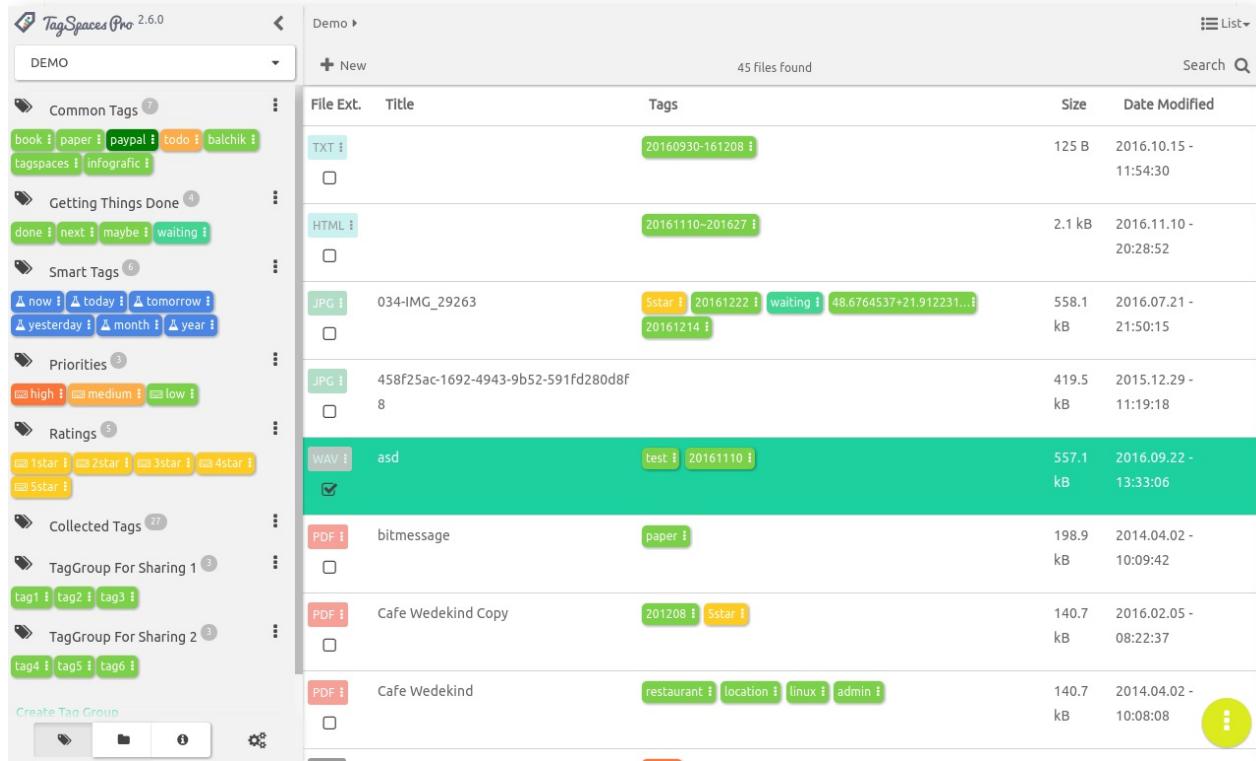
Sharing links to files from the webdav version

tbd

User Interface

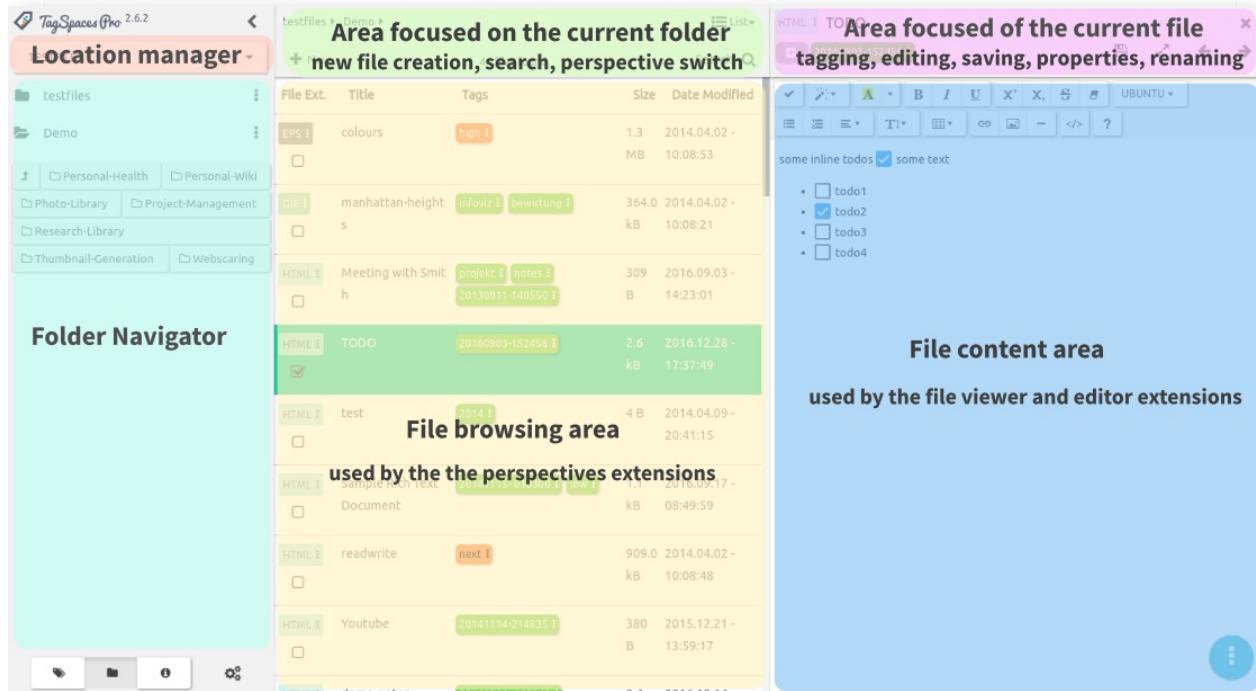
Start screen

The following screen shows a typical start screen of TagSpaces with an opened tag library and showing a folder content with the list perspective extension.



The user interface of the application consists of the following major areas:

- [Location management dropdown](#) - located bellow the tagspaces logo
- [Folder navigator area](#) - located in the left area of the user interface
- [Tag library area](#) - located in the left area of the user interface
- [File browser area](#) - located in the center area of the application
- [File content area](#) - if a file is opened, the file viewers is opened on the right part of the user interface
- [Settings dialog](#) - started by the gear-wheels button in the bottom left part of the user interface

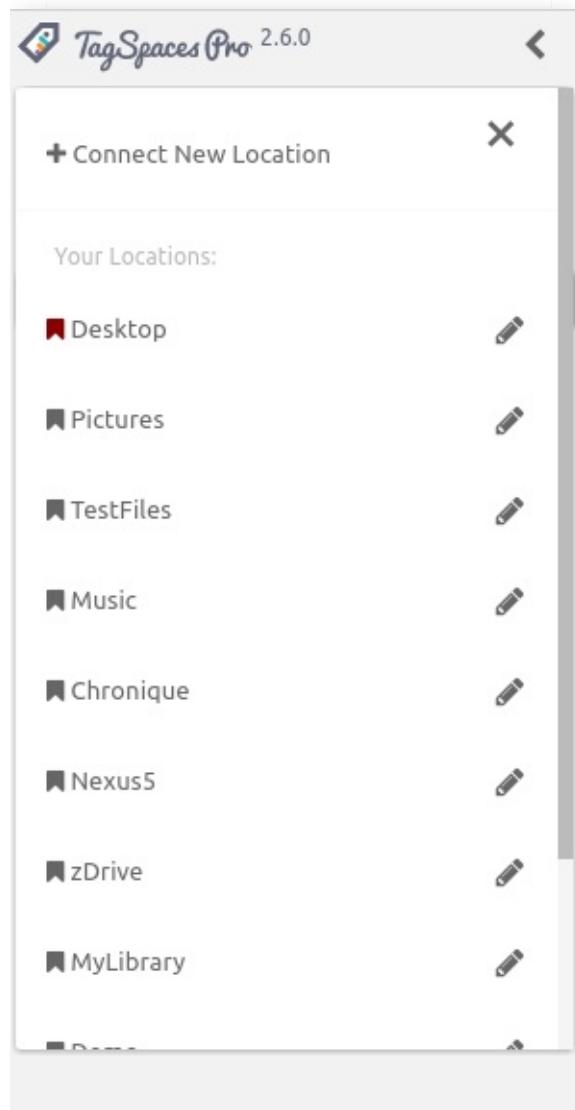


Location manager

A **location** is a folder on your local drive, containing files and other folders. Typical locations are for example folder where you collect your photos or folders where you store your documents, ebooks or music.

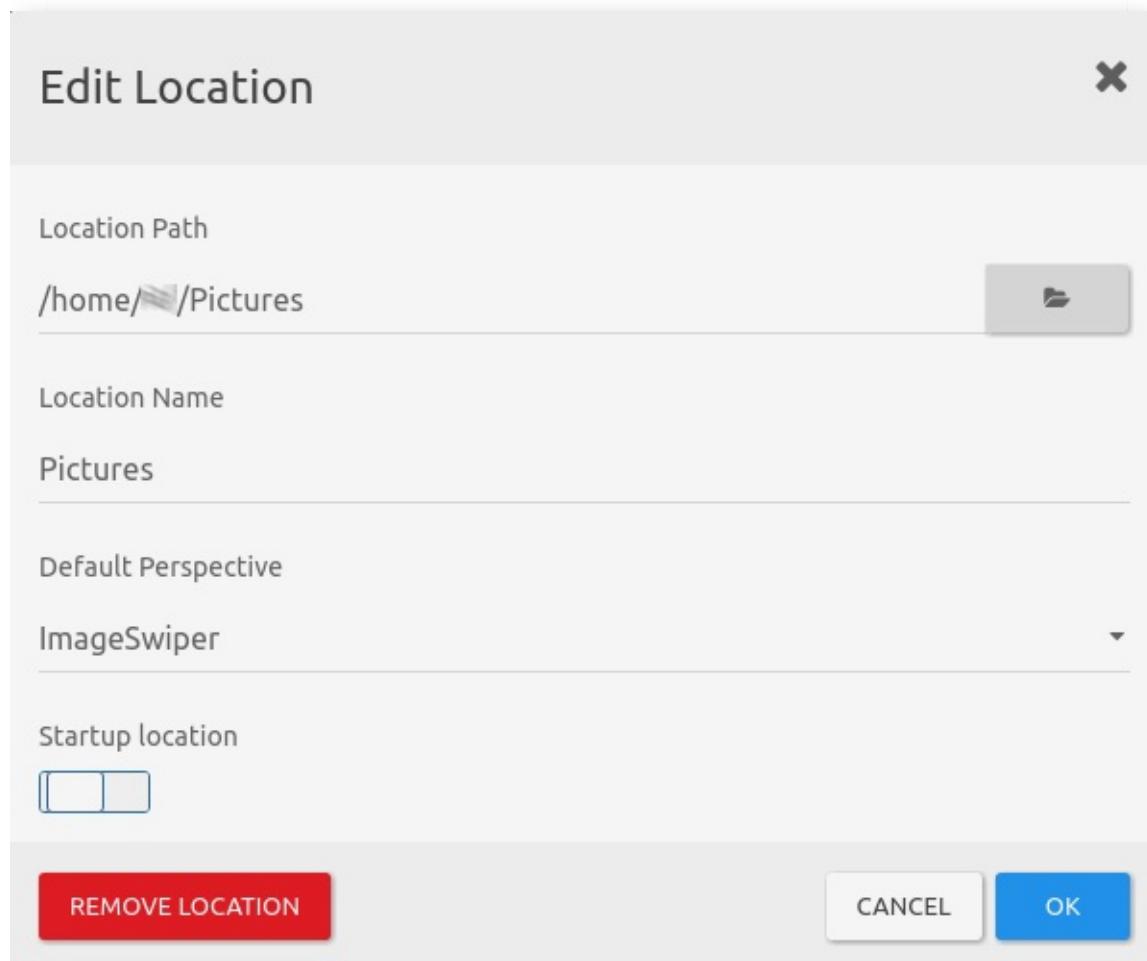
Hint: Do not choose very large directories such as your *home folder* as a location root folder, because this may lead to performance issues.

The location manager is implemented as a dropdown, which is allowing you to switch very quickly between different locations. Once opened you will see a list of the currently connected locations. Here you can access the properties of every location, by simply clicking on the button with the pencil icon. You can also add here new locations, by clicking on the **Connect new location** button.



In the location properties you can update the name of the location or change the path to the root folders. You can also select here a perspective, which should open by default on switching to this location. For example on location containing mainly images and photos, you may want to open with [image-swiper](#) perspective, offering a preview of the images and easy navigation through them.

With the *remove location* button you can remove the location permanently from TagSpaces. This operation will not delete your files, but just the connection to them in TagSpaces.



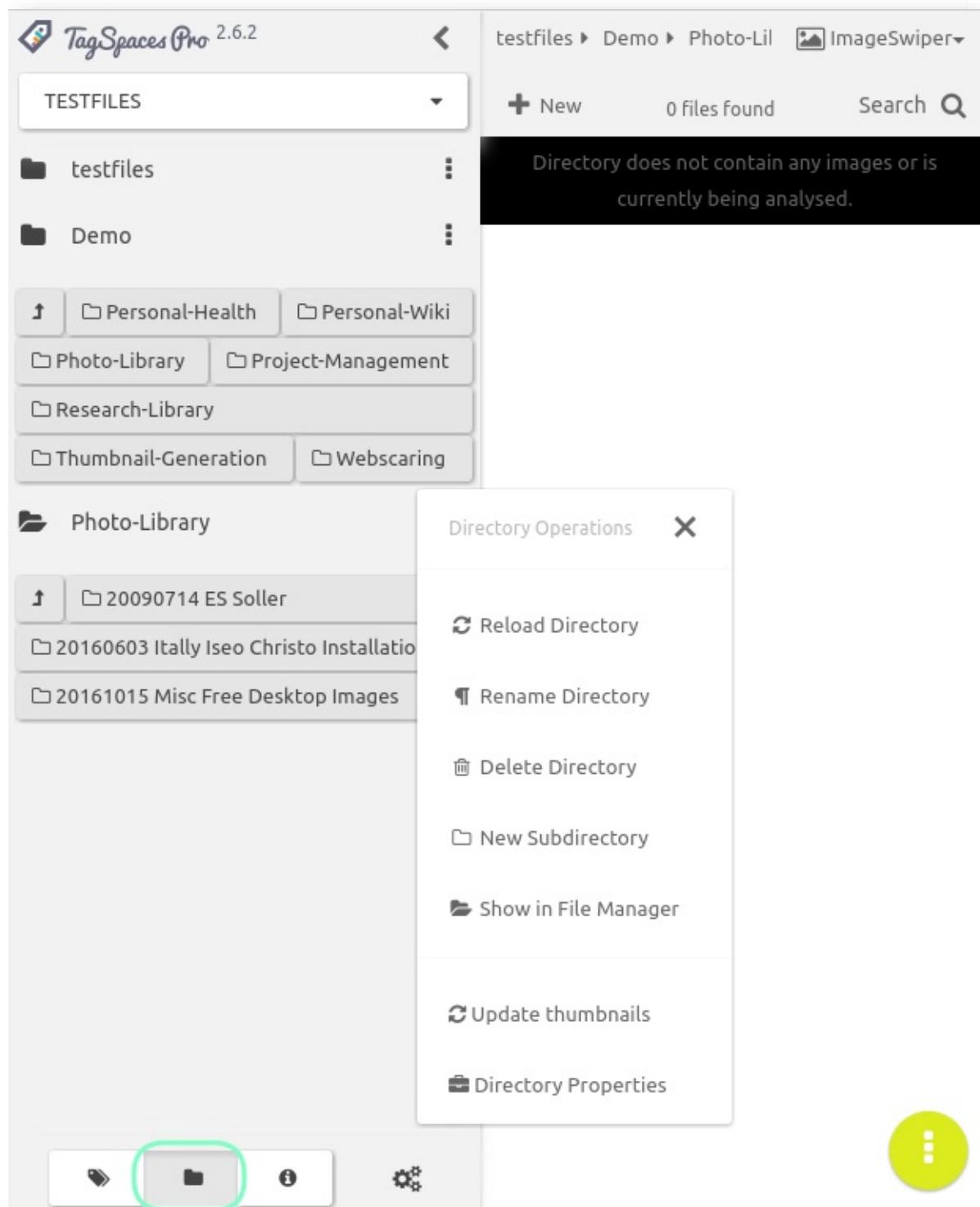
Startup location

By default TagSpaces opens the last opened location on startup. You can change this behaviour by switching the switch **Startup location** in the location properties dialog. It will make this location to open by default on every start of the application. The current startup location is marked with other color in the location dropdown list. In order to activate this functionality you have to switch the option *Use default location in the as a startup location* in the general tab of the settings.

Folder navigation

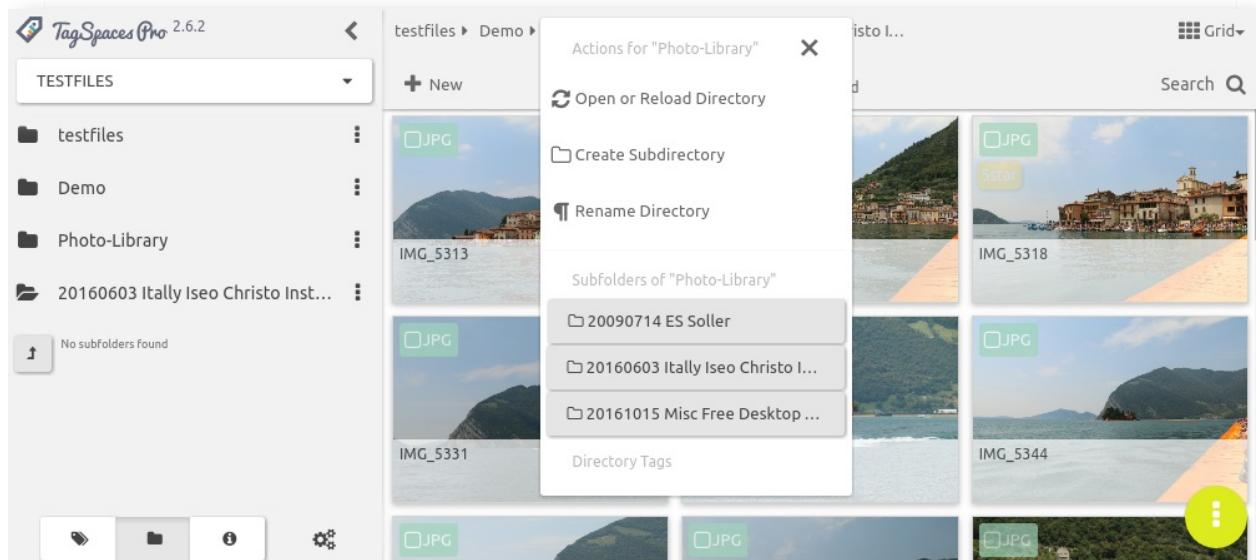
TODO

- Opening the navigation
- General description
- Explaining the context menu, with the operations



Alternative folder navigation

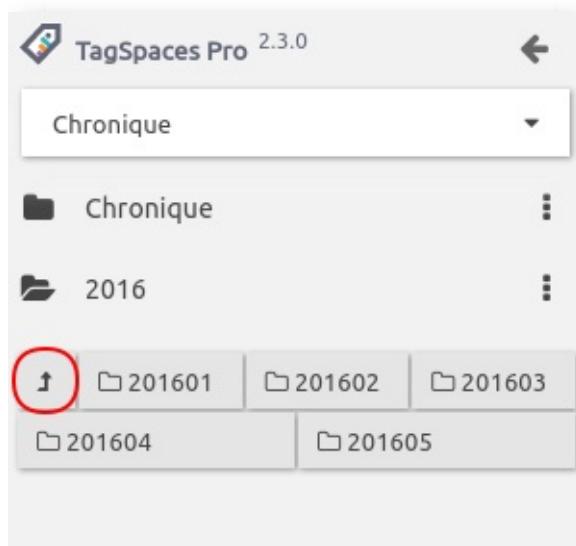
Navigation through folder is an essential use case of TagSpaces, that's why we have provided an alternative way of doing this operation, in case you have closed the left panel of the application or you are on a mobile device.



Clicking on a folder in the alternative navigator will open a context, where you can execute some basic folder operations and navigate to some sub folder.

Go to previous folder button

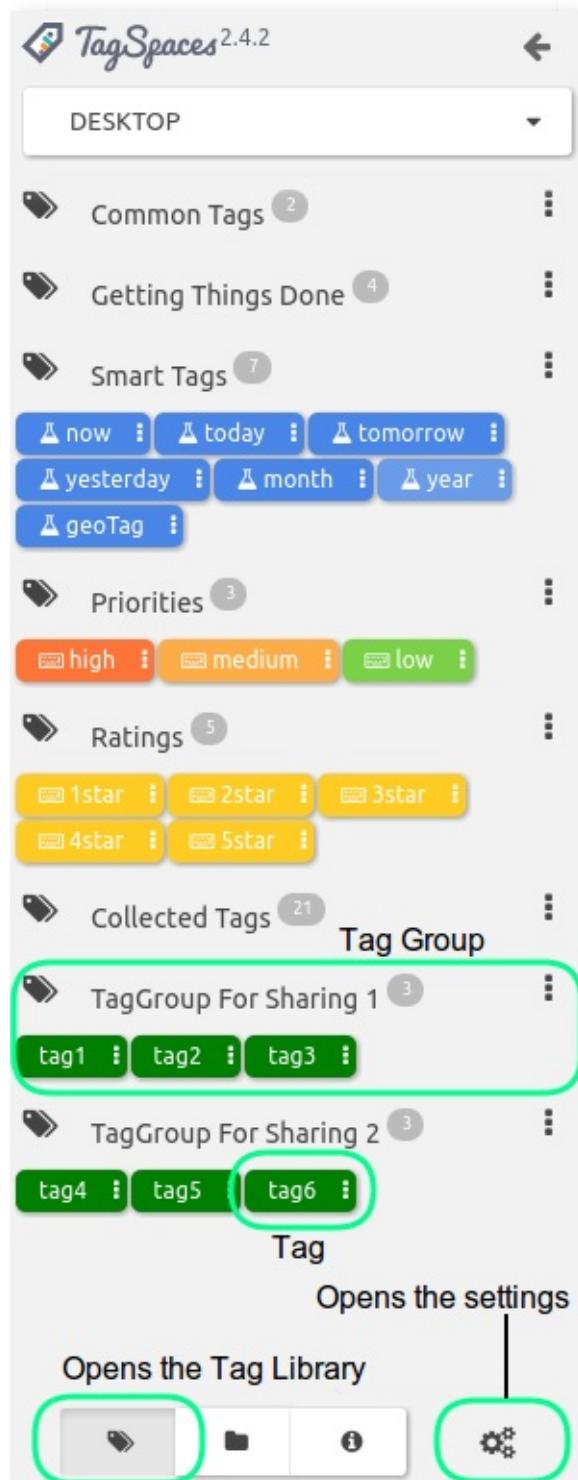
Other convenient feature is the so called "go to previous folder" button in the folder navigation area. Which for example can be used to leave your current location and browse files in parent folder of a given location.



Tag Library

TODO

- Open the tag library
- Clarifying tag and tag group terms
- Creating and importing tag groups
- Explaining the context menu of a tag
- Explaining the context menu of a tag group (sorting and other functionalities)

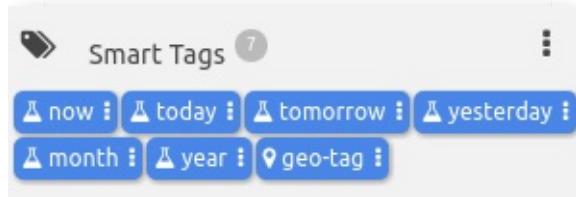


Hint: Find out how to change the default tag background and text colors in the [settings documentation](#)

Smart tags

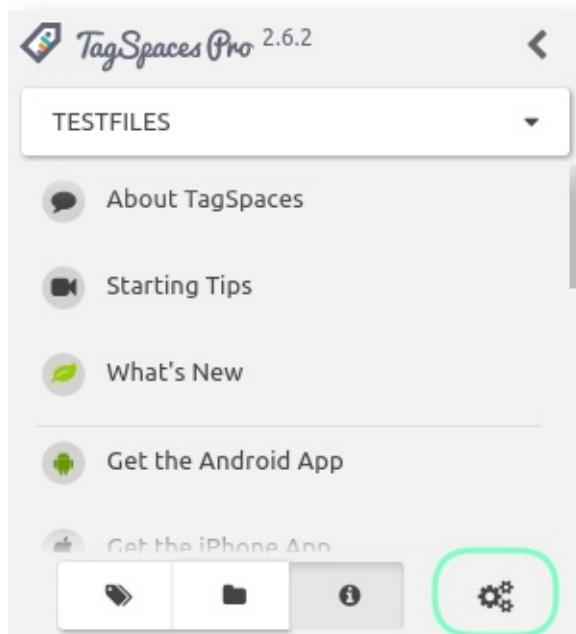
TODO

- General description and purpose
- Date and time based
- Geo location



Settings

The setting of the application can be opened from the button with gear-wheels in the bottom of the left area, as displayed in the following screenshot. Alternatively you can use the main menu `View > Settings`.



TODO

- Explaining all the functionalities in the general tab of the settings

Options



GENERAL PRO PERSPECTIVES FILE TYPES KEY BINDINGS

Interface Language

English

Switching language will fully take effect after restarting the application

- Show files/directories with a dot(.) in front of the name (e.g. Unix, Linux, OS X hidden files)
- Check for new version on startup
- Use default location as a startup location
- Enable colored file type extensions
- Always show tag area on startup
- Loads location meta data (currently only tag groups)

Location metadata file 'tsm.json' should be placed in the '.ts' subfolder of the current location. The file format should be the same as the exported tag groups file from the tab 'general'.

Limit files found to

400

- Search in sub-folders by default



EXPORT TAG GROUPS AS JSON



RESTORE INITIAL SETTINGS

Default tag background color



Default tag text color



SAVE & RESTART

SAVE

Browsing File and Folder Structures

tbd

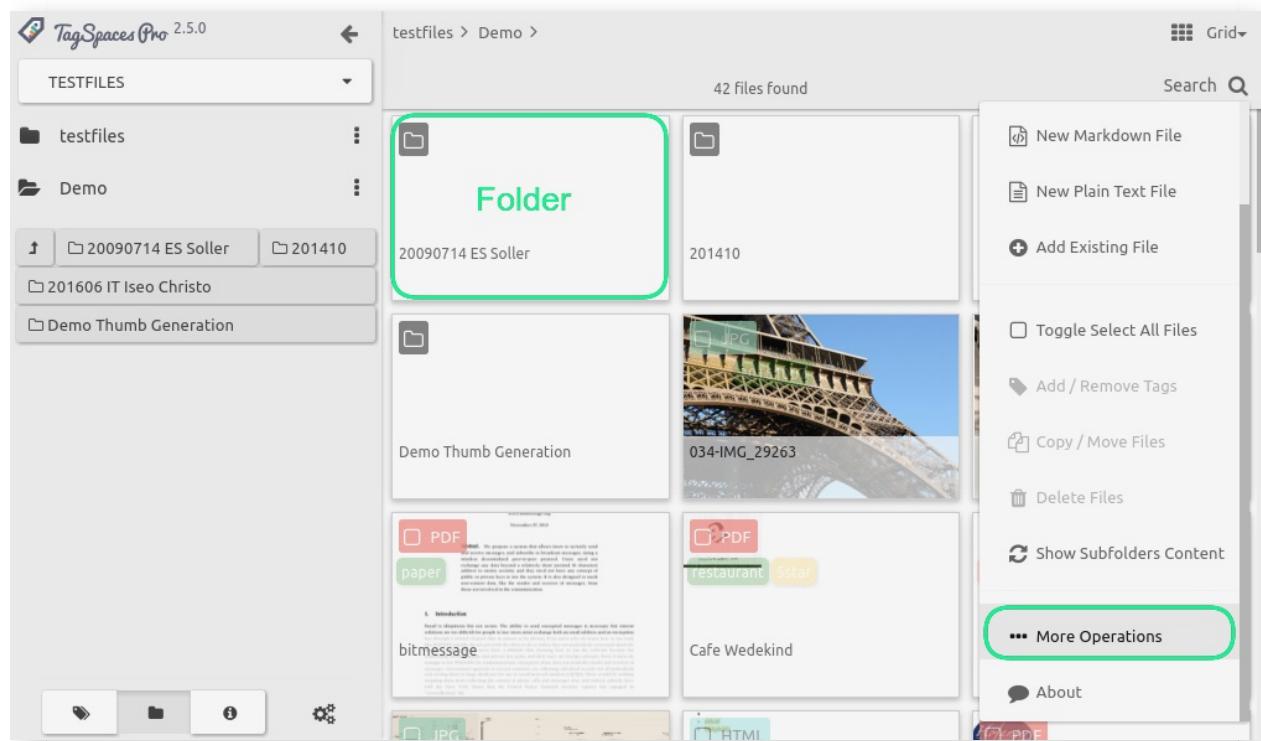
Working with the List perspective

Working with the Grid perspective

tbd

Showing folders in the grid perspective

This new feature gives shows in folders in the perspectives in addition for files. It enables a more intuitive way for navigating through folders, which is common the file managers build in the most modern operating systems. We implemented it as a pilot in the grid perspective, but the feature is not enabled by the default. It can be activated from the *More Operations* dialog of the extension. This dialog can be opened from a menu item with the same name located in the extensions main menu (the yellow button in the right bottom corner). See the screenshot bellow for details. We plan to integrate it also in the list perspective.



Working with the ImageSwiper perspective

tbd

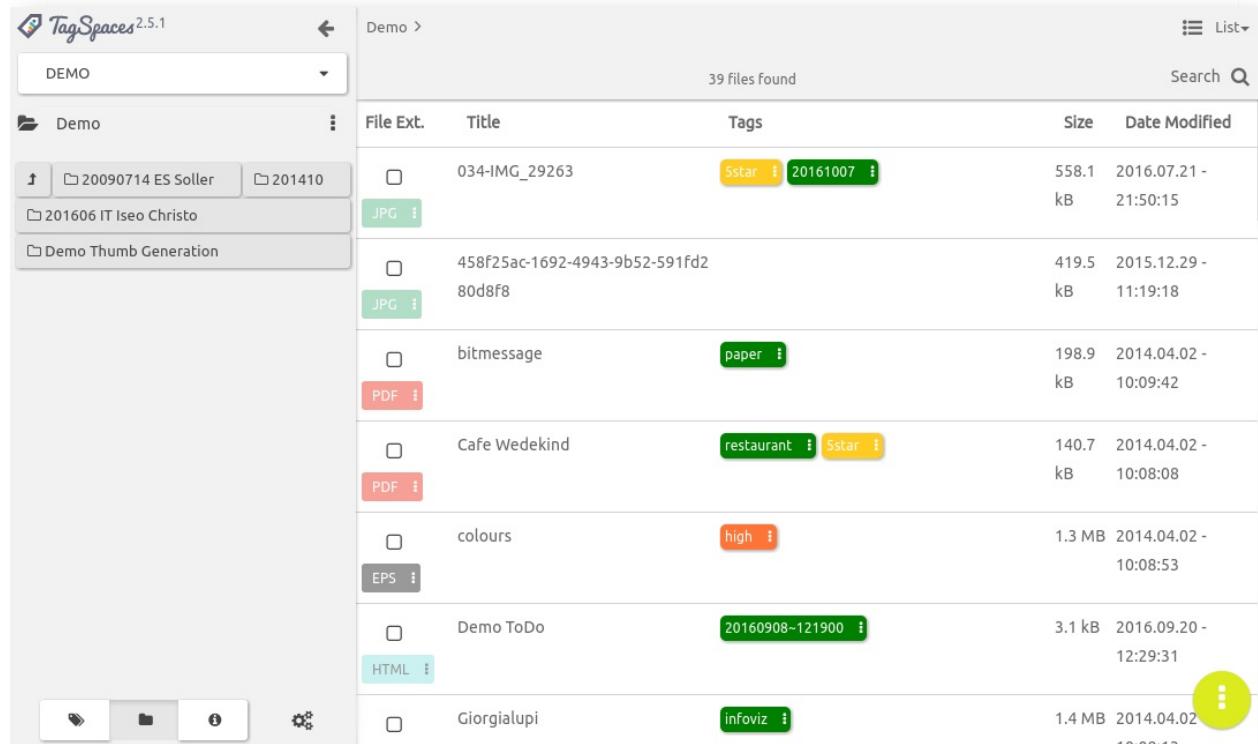
Common features

Generating live thumbnails for photos

In the Grid and ImageSwiper perspectives TagSpaces generates thumbnails for JPG and PNG files on the fly. These small image previews are not persisted on your system, so every time you open a folder they will be regenerated. TagSpaces generates thumbnails only for image files which are currently visible in the application.

Color coded file extensions

In the grid and list perspective there is support for color coded file extensions, allowing you a better visual recognition of the file type. For the most common file extension we defined a custom color for extension buttons in the different perspectives. In the following screenshot, you can see the colored extensions in the list perspective.



The screenshot shows the TagSpaces application interface in list view. The left sidebar displays a tree structure with a 'Demo' folder expanded, showing subfolders like '20090714 ES Soller', '201410', '201606 IT Iseo Christo', and 'Demo Thumb Generation'. The main area shows a table with 39 files found. The columns are 'File Ext.', 'Title', 'Tags', 'Size', and 'Date Modified'. Each row contains a checkbox, the file title, a list of tags, file size, and modification date. To the left of each file title is a small colored button representing the file's extension: yellow for JPEG, green for PDF, red for EPS, blue for HTML, and orange for other extensions. A large green button with a white exclamation mark is located at the bottom right of the table.

File Ext.	Title	Tags	Size	Date Modified
JPG	034-IMG_29263	Star 20161007	558.1 kB	2016.07.21 - 21:50:15
JPG	458f25ac-1692-4943-9b52-591fd280d8f8		419.5 kB	2015.12.29 - 11:19:18
PDF	bitmessage	paper	198.9 kB	2014.04.02 - 10:09:42
PDF	Cafe Wedekind	restaurant Star	140.7 kB	2014.04.02 - 10:08:08
EPS	colours	high	1.3 MB	2014.04.02 - 10:08:53
HTML	Demo ToDo	20160908-121900	3.1 kB	2016.09.20 - 12:29:31
	Giorgialupi	infviz	1.4 MB	2014.04.02 - 10:08:13

Of course you can switch this feature off. Just go to the general tab of the settings and disable the *Enable colored file type extensions* checkbox. In the future we are planning to make the colors for the extensions configurable.

File previewing

The application supports previewing of many file types directly. It has a basic build in [Image](#), [PDF](#), [EPUB](#), [ZIP](#), [URL](#), [Audio](#) and [Video](#) and [Text](#) viewers. TagSpaces is designed with extensibility in mind so any other kind of file viewers can be developed and integrated easily.

Source code browser and editor (use case?)

The text editor supports source code highlighting for many common programming languages. This in combination with the build in [JSON editor](#) makes the application a good source code navigator with basic editing capabilities. The intention here is not to make TagSpaces your next IDE, but rather to give you a quick overview of source code repositories.

Assigning file type to an extension

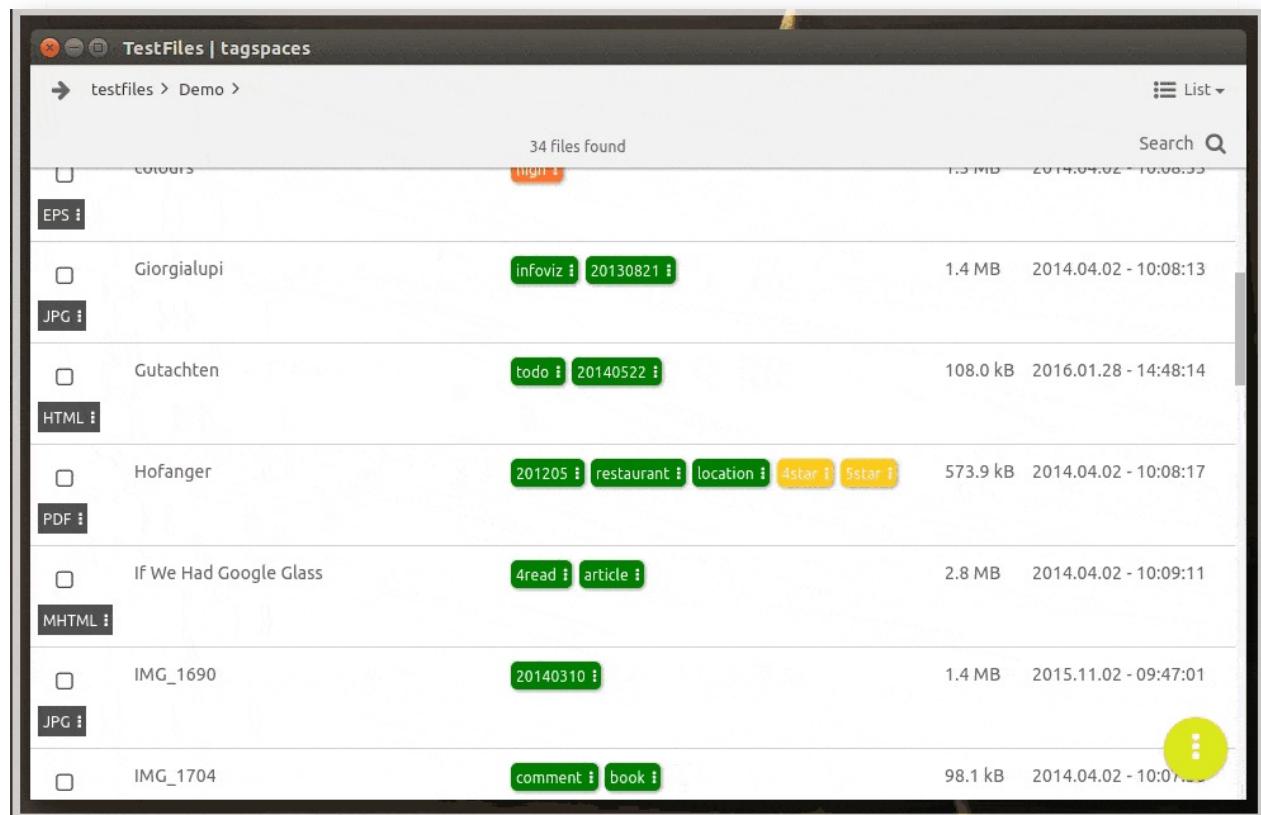
Extension	Viewer	Editor	Action
bmp	Image Viewer	Choose file editor	X
c	Choose file viewer	Text Editor	X
clj	HTML Editor	Text Editor	X
coffee	JSON Editor	Text Editor	X
coffee	ODF Editor	Text Editor	X
coffee	Text Editor	Text Editor	X
coffee	Audio Video Player	Text Editor	X
cpp	Simple Viewer	Text Editor	X
cpp	EPUB Reader	Text Editor	X
cs	HTML Reader	Text Editor	X
css	Image Viewer	Text Editor	X
css	Markdown Reader	Text Editor	X
desktop	MHTML Reader	Choose file editor	X
desktop	PDF Viewer	Text Editor	X
eml	Text Reader	Choose file editor	X
eml	Link Opener	Text Editor	X
epub	ZIP Opener	Choose file editor	X

ADD NEW FILE EXTENSION

SAVE & RESTART **SAVE**

Printing files

The majority of the viewer extensions has the ability to print the opened files, thanks to the build in print functionality. In the following short video, you can see how you can start the printing.



Crating and Editing files in TagSpaces

Creating files

TODO

- Creating plain text files
- Creating rich text / html files
- Creating markdown files
- Creating audio files (PRO feature)

Editing files

TODO

Organize your data with tags

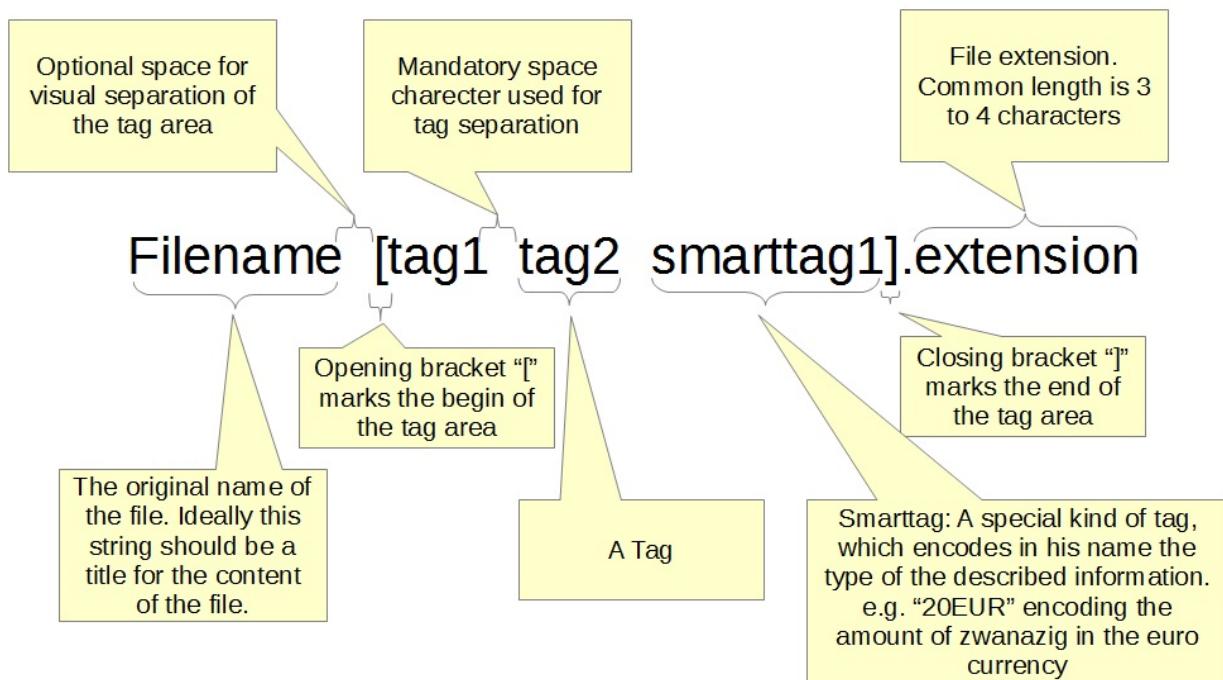
Motivation

Tagging and tags is fresh and better alternative of categorizing and grouping things. Tagging allows people to call thing with their own words. They don't need to conform with keywords or categories in internet created by somebody else. Allow them to describe what they're seeing in their own words, to imbue the experience with their own meaning. Tagging spares of your time, it creates a variety of tags in different sites and can make the searching for a specific song or a movie or a book or whatever you're looking for much more easy and faster.

Tags are personal thing. Tagging something is your emotional response and not simply a taxonomic decision. With using tags, people have the control to define things in the web - not only for music, literature, games and movies, but also public websites, data repositories and consultations. Tagging is a new indirect way of control to express your mind and to call things your way - you can call it a "form of freedom of speech" if you want to go that far. Tagging is a power to create your own genres in movies and music for example.

File Tagging based on filename

TagSpaces supports tagging of files in a multi platform way. It uses basically the name of the file to save this kind of meta information. As an example if you want to add the tags `vacation` and `alps` to a image named `IMG-2653.jpg`, the application will simply rename it to `IMG-2653[vacation alps].jpg`. File renaming is of course very controversial decision (see our users [discussion]), with its own limitations (on some operating systems the file path length is limited to ca. 256 characters), but it allows a portable way for adding tags on every platform (even cloud based).



Tagging with Drag & Drop

The user interface of the application is design to be usable on touch screens, but for the pure desktop, we support many drag & drop operation such as:

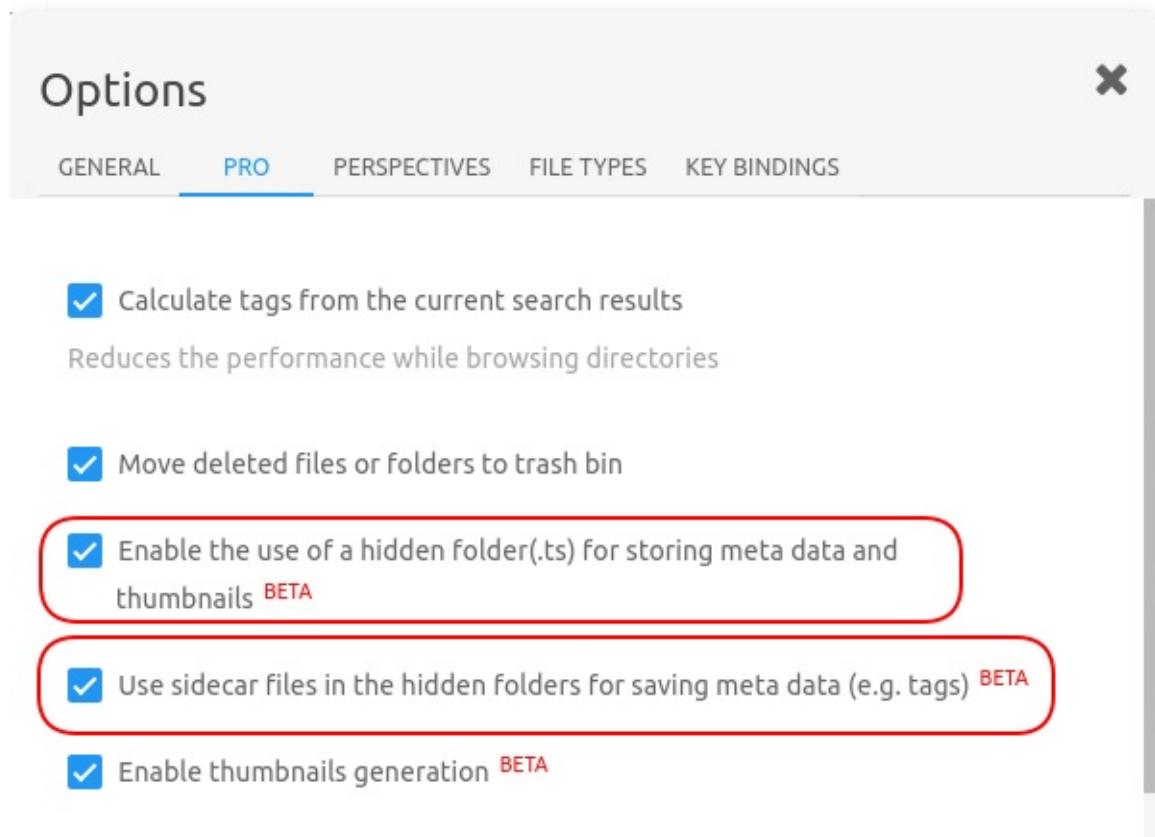
- Adding tags from the tag groups to files in the list & grid perspectives and to the file viewer

- Moving tags from one tag group to another

File Tagging based on sidecar files

As alternative to saving the tagging information in the file names, TagSpaces PRO offers saving this kind of meta information in a sidecar files located in a hidden `.ts` folder. This option can be activated in the settings of the application as shown in the following screenshot.

Note Please note that by default the `.ts` folder is hidden only on OSX and Linux operating systems, on Windows folders with dot in front of their name are not hidden by default. Setting these folders as hidden on Windows can be achieved manually or with script if needed.



Activating the persistend of the tags in sidecar files

After the activation, the application will created for every tagged file an extra file having the same file name as the source file but with the additional JSON extension. For example after tagging some files in some of your file locations you will have a similar file structure.

```
- location (with your files)
└── subfolder
    ├── .ts
    |   ├── file1.jpg.json
    |   └── file2.pdf.json
    ├── file1.jpg
    └── file2.pdf
    ├── .ts
    |   ├── file3.png.json
    |   └── file4.docx.json
    ├── file3.png
    └── file4.docx
```

The main advantage of this solution is that the name of the files is not altered by tagging and there is theoretically no limit in amount of tags you can add to a given file. However it has the following drawback. If you move or rename tagged files in TagSpaces it will take care of the sidecar file, which will also renamed or moved in the appropriate folder. But if you move or rename this file in an external application, you have to move or rename the sidecar files by hand. The same hold true for the deleting a file from an external file manager. It will not automatically delete the sidecar file in the `.ts` folder.

Note If you want to have the files located in the `.ts` folder synched with some cloud service such as Dropbox or Google Drive you have to enable the syncing of hidden folders and files.

Folder Tagging

TODO

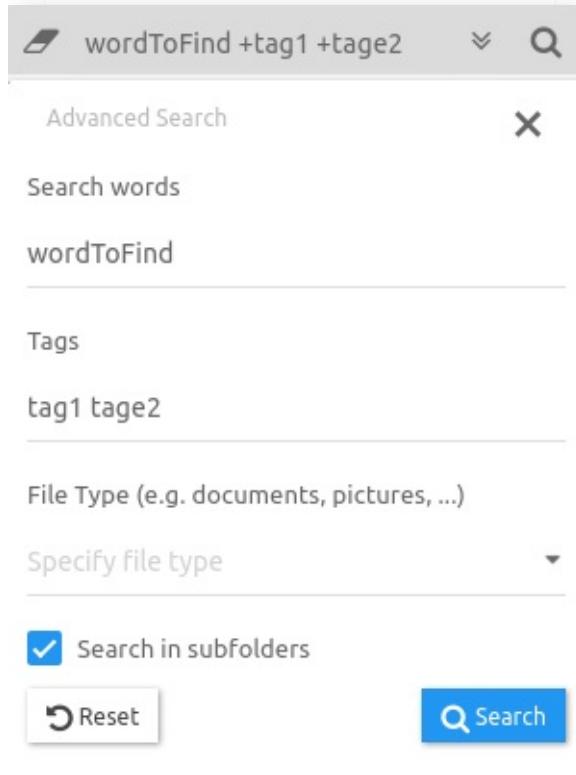
Search functionalities

Search based on filenames

TagSpaces has a build in file search functionality. The difference to the classic Desktop Search software is the search is performed only in the currently opened location, since we for now do not index the files. The search has currently the following features:

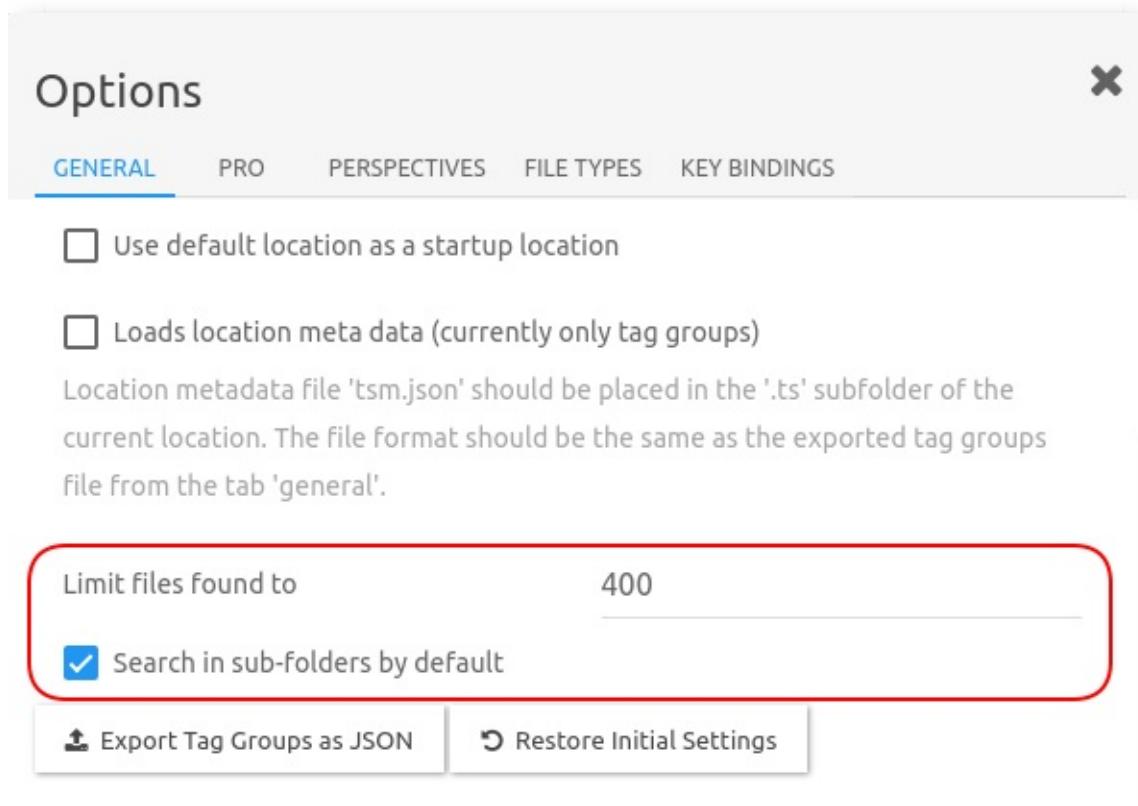
- On the majority of file types the search considers only the file name for the search result. On some text based files such as txt, markdown or html the text content is also analysed, but this is still an experimental feature.
- It searches your sub-folders recursively by default. This could lead to performance issues on folders with many files and sub-folders. If you want the search to ignore the sub-folders, add `-` character in front of your search query. The default search in the sub-folders can be disabled in the settings. Example: If you want to find files having the word `word1` located in current folder, ignoring the sub-folders you have to enter `- word1` in the search input box.
- If you want to find all files tagged with a certain tag, you can add the `+` character in front of the tag name. This way occurrences of this word somewhere else in the file name or content will be ignored. Example: If you want to find all files from the current folder tagged with the tag `tag1` you have to enter `+tag1` in the search input box.
- The name of the parent directory of a given file is also considered by the search algorithm. So for example if you are searching for photos from your vacation in USA and the folder where these files are located contains the word USA (e.g. '20160301 vacation usa 70D'), then the search will list all the files located directly in this folder.

Future versions of the application could include a file indexing functionality for a faster and responsive search.



Limit search results

We have added an option in the settings to limit the maximal search results or files to be shown in the current perspective. With this version of TagSpaces we changed the default behaviour of the search and now the application searches automatically in the subfolders of the current folder recursively. This of course may lead on big directory tree to performance issues. That's why we have built in a switch in the options where you can disable this functionality.



Advanced search

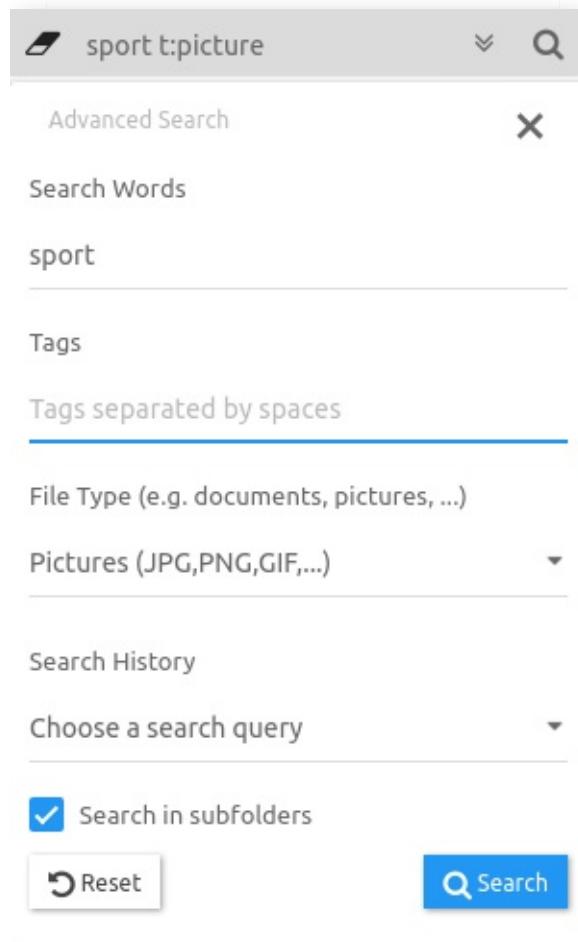
TagSpaces PRO search is very powerful. It offers users the opportunity to discover easier and faster the right result for them.

One of the advantages of TagSpaces PRO's search are search operators. They are words that can be added to searches to help narrow down the results. You can use all of the search operators directly in the search box, without opening the advanced search dialog. Here is an example:

/media/search-syntax-example.png

So for the example above the search query **t:picture sport** will give you all pictures containing the word **sport**. No matter where it is located search operator in the search query and will work both placed before the search word or after.

Another way is to click on search button () to showing the search field and then click on pointing down arrow () to open the advanced search dialog. Fill the keyword in **Search Words** and the file type in **File Type** and will achieve the same effect as above way.



Please make sure, that when you are using search operators, there is no any spaces between the operator and your search terms. A search for **t:picture sport** will work, but **t: picture sport** won't.

Operator	Operator
t:picture	Search only for pictures with the following extensions for example: <i>JPG, JPEG, PNG</i> and etc. Short search example: t:picture photo
t:doc	Search only for documents with the following extensions for example: <i>DOCX, PDF, ODF</i> and etc. Short search example: t:doc document
t:note	Search only for notes with the following extensions for example: <i>MD, TXT, HTML</i> and etc. Short search example: t:note note
t:audio	Search only for audio with the following extensions for example: <i>OGG, MP3, WAV</i> and etc. Short search example: t:audio song
t:video	Search only for video with the following extensions for example: <i>WEBM, OGV, MP4</i> and etc. Short search example: t:video clip
t:archive	Search only for archives with the following extensions for example: <i>ZIP, RAR, 7Z</i> and etc. Short search example: t:archive arch

If you need more information about supported file types, please take a look at [this article](#).

Advanced search

The advanced search dialog in TagSpaces PRO contains two more search features:

Search by file type

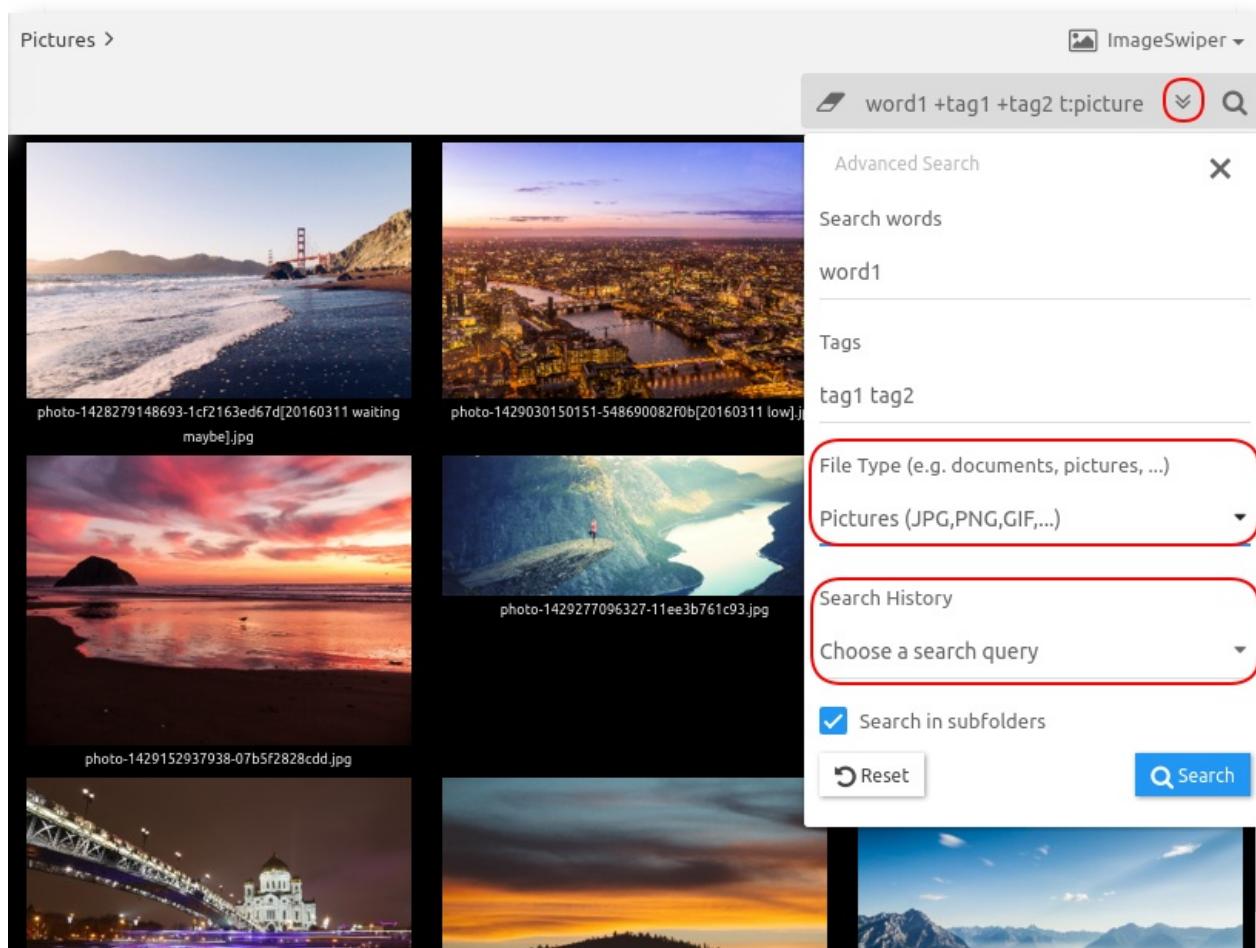
In the file type dropdown you can specify a group of files you want to search. The following file type groups are supported:

- Pictures: JPG,PNG,GIF,... (query shortcut t:picture)
- Documents: PDF,ODF,DOCX,EXL,... (query shortcut t:doc)
- Notes: MD,TXT,HTML,... (query shortcut t:note)
- Audio: OGG,MP3,WAV,... (query shortcut t:audio)
- Video files (WEBM,OGV,MP4,... (query shortcut t:video)
- Archives (ZIP,RAR,TGZ,7Z,... (query shortcut t:archive)

Note You can use the query shortcut for a given file type directly in the search box, without opening the advanced search dialog. So for example the search query `t:audio coldplay` will give you all audio files containing the word coldplay.

Search history

For quick access TagSpaces PRO keeps a history of your last 15 search queries in a list. This list can be cleaned by selecting the last item in it called "Clear search history" in it.



Text extraction and full text search ALPHA

After activating the text extraction checkbox in the settings, TagSpaces PRO will try to extract the text content of files you are currently browsing. This text content is saved in the hidden `.ts` folder and is considered later by the search. Since this is a early experimental feature, please don't rely only on it.

These file formats are currently supported:

- Notes: HTML, MD, TXT (extracts the text content)
- Office Documents: PDF, ODT, ODP, ODS, DOCX, XLSX, PPTX (extracts the text content)

- Images: JPG (extracts Exif and IPTC informations)
- Audios formats: MP3 (extracts id3 tags)
- Ebooks: EPUB (extracts the text content)

Options

X

GENERAL PRO PERSPECTIVES FILE TYPES KEY BINDINGS

Move deleted files or folders to trash bin

Enable the use of a hidden folder(.ts) for storing meta data and thumbnails BETA

Use sidecar files in the hidden folders for saving meta data (e.g. tags) BETA

Enable thumbnails generation BETA

 Experimental Functionality! Please be careful changing any of the following settings.

Enable text extraction from files ALPHA

Warning Please note, that this is still a very experimental functionality which on directories with many files, may lead to freezing of the application.

Keybindings in TagSpaces

Keyboard shortcuts are combinations of two or more keys that you can use to perform a specific task that would typically require more than one mouse click. They are very useful and can make it easier to work with your software, saving you time and effort as you work with TagSpaces and other applications.

To use a keyboard shortcut, hold down one or more keys while pressing the last key of the shortcut. For example, to use the shortcut **Ctrl + C** on Windows and Linux or **Command - C** on Mac OS X, hold down **Ctrl** button, press **C** and then release both keys.

TagSpaces like a much of modern software also provides a range of keyboard shortcuts for better experience with it. Please find the list of the currently supported keyboard shortcuts bellow.

Default keybindings

General

Action	Key binding on Windows/Linux	Key binding on OS X
Show Keybinding Help	F1	F1
Reload the application	F5	F5
Fullscreen mode	F11	F11
Show developer tools	F12	F12
Show tag library	s t	s t
Show directory navigator	s f	s f

Working with documents

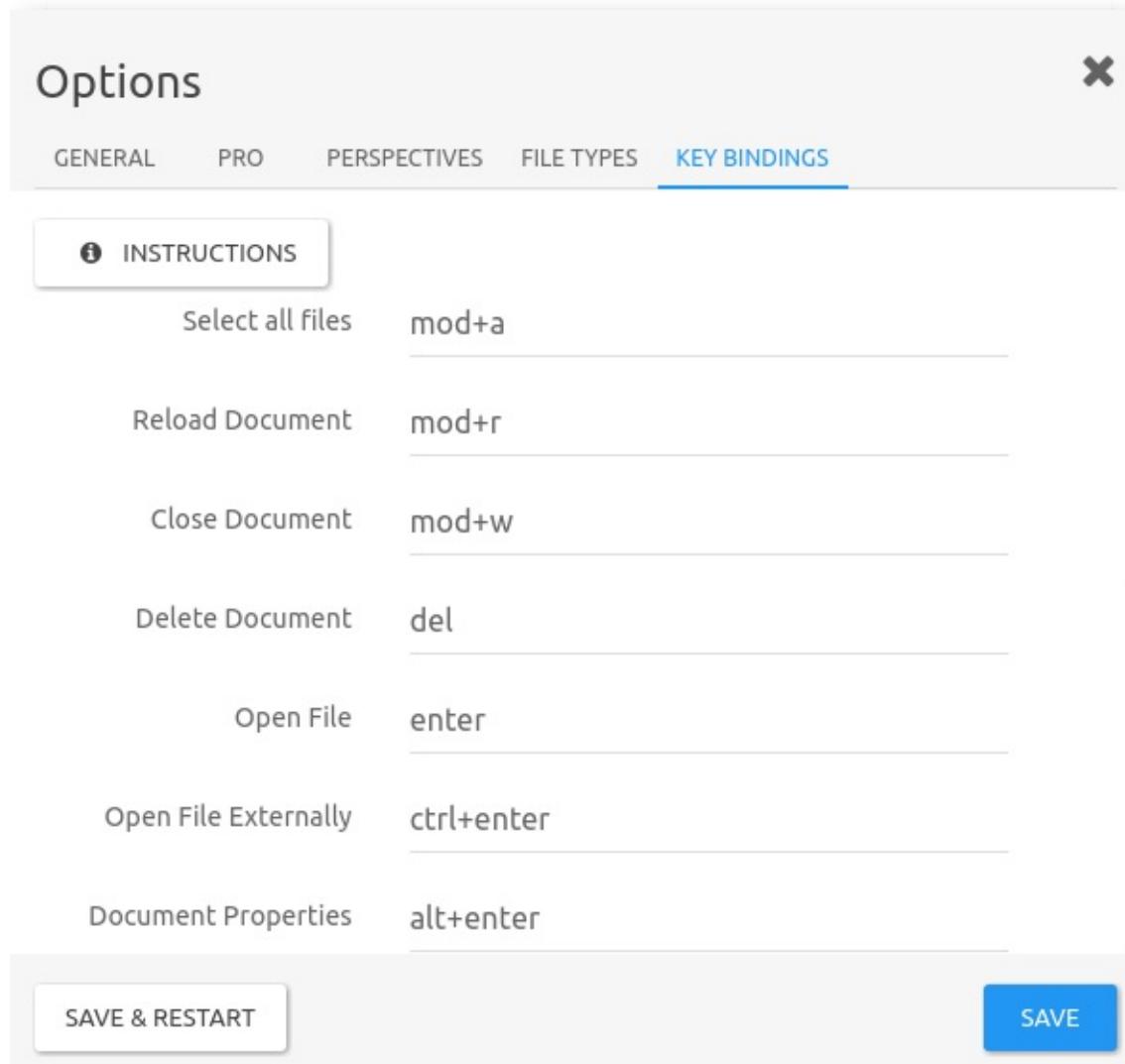
Action	Key binding on Windows/Linux	Key binding on OS X
Open document	enter	enter
Open document in the default external programm	ctrl + enter	ctrl + enter
Rename document	F2	F2
Delete document(s)	del	?
Open the search box	control + f	⌘ + f
Tag document(s)	control + t	⌘ + t
Select/open the next document	right OR down	right OR down
Select/open the previous document	left OR up	left OR up
Select all documents	control + a	⌘ + a
Edit the currently opened document	control + e	⌘ + e
Save the currently opened document	control + s	⌘ + s
Reload the currently opened document	control + r	⌘ + r
Close the currently opened document	control + w	⌘ + w
Open the properties of the currently opened document	alt+enter	alt+enter

Global keybindings available even if TagSpaces is currently not in focus, but running in background for example in the tray.

Action	Key binding on Windows/Linux	Key binding on OS X
Show TagSpaces	control + alt + w	⌘ + alt + w
Create new text document	control + alt + n	⌘ + alt + n
Open next document	control + alt + s	⌘ + alt + s
Open previous document	control + alt + a	⌘ + alt + a
Pause/resume playback	control + alt + p	⌘ + alt + p

Changing the keybindings

Some of the keybindings are configurable. To change them, click on **View** menu item from the main menu and choose **Settings**. In the setting dialog, open the tab **KEY BINDINGS**.



Here you can see all the keyboard shortcuts by default in TagSpaces, and what actions they perform. You also have the ability to change keyboard shortcuts by clicking on the field in which they were written. Before changing any of the binding, please read the following short instructions:

- For modifier keys you can use `shift`, `ctrl`, `alt`, `option`, `meta`, `command` and `mod`. The last one is special modifier allowing us to refer to the control and command key on Windows/Linux and OS X operating systems

respectively.

- Other special keys are `backspace`, `tab`, `enter`, `return`, `capslock`, `esc`, `escape`, `space`, `pageup`, `pagedown`, `end`, `home`, `left`, `up`, `right`, `down`, `ins` and `del`.
- Any other key you should be able to reference by name like `a`, `/`, `$`, `*`, `=`.
- You can assign many keys to a single operation, simply by separating them by `,`.

Internationalization of the application

The user interface of TagSpaces application was translated so far in 26 languages by volunteers. For the coordination of the translation process we utilize the great service of [Transifex](#). Since TagSpaces is evolving fast, we need support for the translations of the existing languages and of course we are happy to see when new languages are added. If you want to support the translation efforts please create a Transifex account and apply for membership in the [TagSpaces project](#) there. The following table lists the languages in which the application is already translated.

ISO	Language	Language in English
en_US	English	English
de_DE	Deutsch	German
it	Italiano	Italian
zh_CN	中国的	Chinese
bg	Български	Bulgarian
ja	日本の	Japanese
pt_BR	Português	Brazil
pt_PT	Português	Portugal
fr	Français	French
sk_SK	Slovenský	Slovak
es	Español	Spanish
uk	Український	Ukrainian
ru	Русский	Russian
tr	Türk	Turkish
cs	Čeština	Czech
ca	Catalan	Català
ko	한국의	Korean
el	ελληνικά	Greek
sv	svenska	Swedish
nl_NL	Nederlands	Dutch
zh_TW	台灣	Chinese Taiwan BIG5
hu	Magyar	Hungarian
id_ID	bahasa Indonesia	Indonesian
pl	Polski	Polish
mt	Maltese	Maltese
hy	հայերեն	Armenian

The order of the languages represents the order in which the translations were made by the contributors.

TagSpaces PRO

Introduction

TODO

Community vs PRO comparison

TODO (take if from the website)

Features

TODO add links to the main PRO features described in this documentation

- Sidecar file tagging
- Signed installers
- Advanced search

pro Generating persistent thumbnails BETA

In perspectives supporting showing of file previews like [Grid](#) and [ImageSwiper](#), TagSpaces PRO is generating thumbnails for the visible files in the perspective. Currently the application tries to generate thumbnails for the following file types:

- Images: PNG, JPG, BMP, GIF, SVG, WEBP
- Videos: WEBM, OGV, MP4, M4V
- Notes: HTML
- Audios formats: MP3 (with embedded thumbnail)
- Ebooks: EPUB (with integrated cover image)
- Archives: ZIP (it just takes an image found in the archive)
- Office Documents: PDF, ODT, ODP, ODS, DOCX, XLSX, PPTX

In comparison to the community edition which generates thumbnails (only for PNGs and JPGs) on every opening of a folder, the PRO version persists the generated thumbnails in the `.ts` folder located in every folder you browse with it. This feature significantly accelerates the browsing of folders containing many files. The thumbnail generation can be activated in the PRO tab of the application settings.

Options

X

GENERAL **PRO** PERSPECTIVES FILE TYPES KEY BINDINGS

Calculate tags from the current search results
Reduces the performance while browsing directories

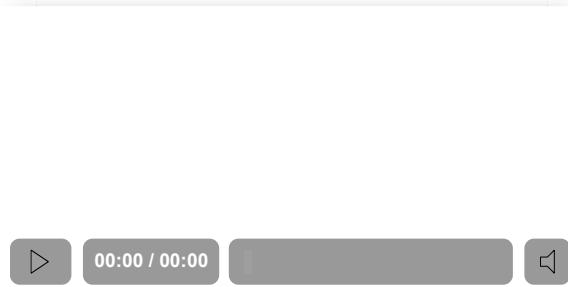
Move deleted files or folders to trash bin

Enable the use of a hidden folder(.ts) for storing meta data and thumbnails BETA

Use sidecar files in the hidden folders for saving meta data (e.g. tags) BETA

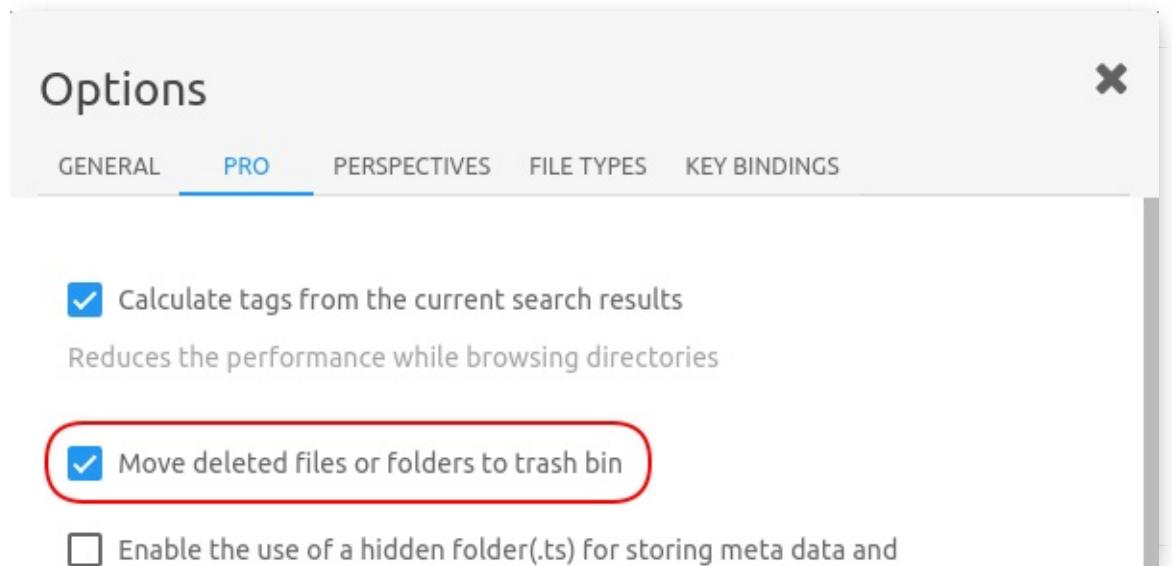
Enable thumbnails generation BETA

Here is a short video showing the thumbnail generation in action.



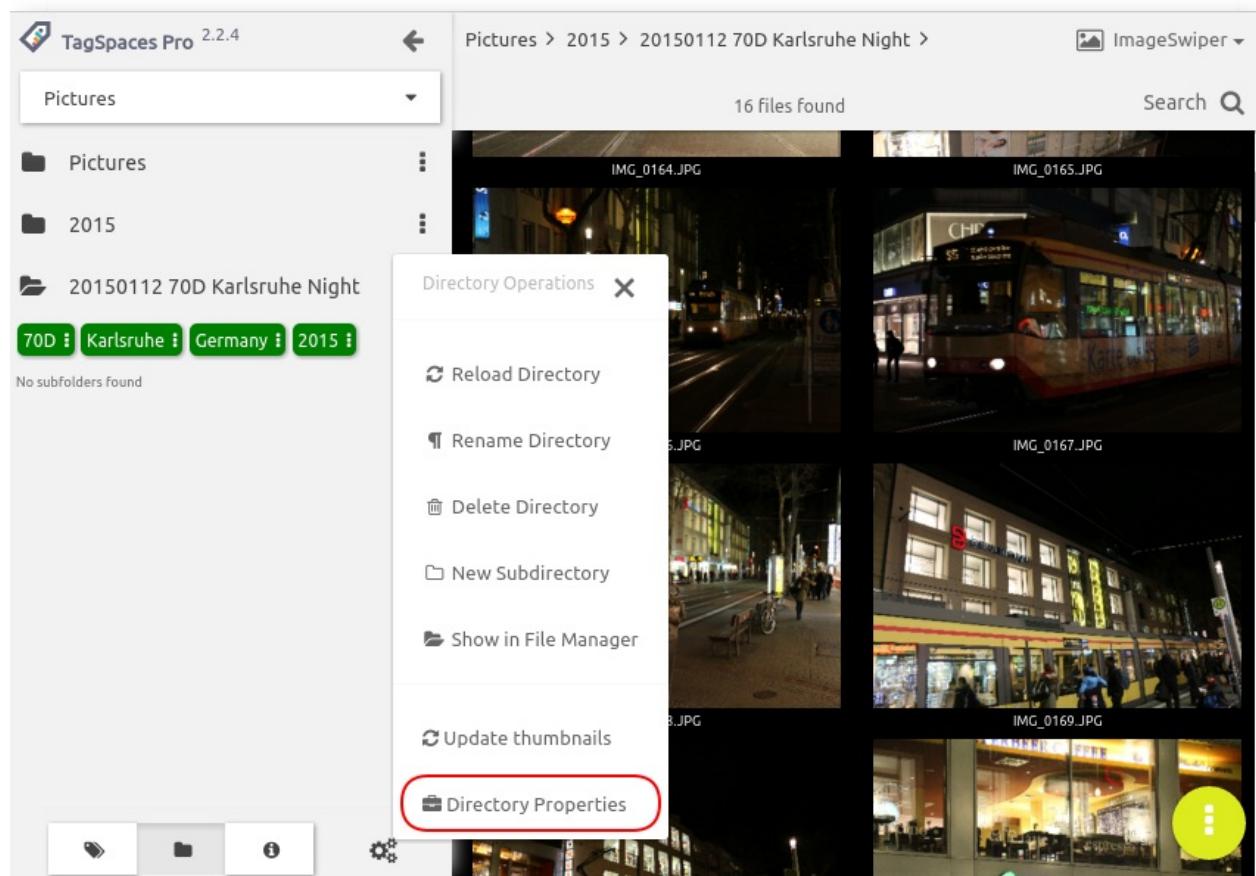
pro Deleting files to trashcan

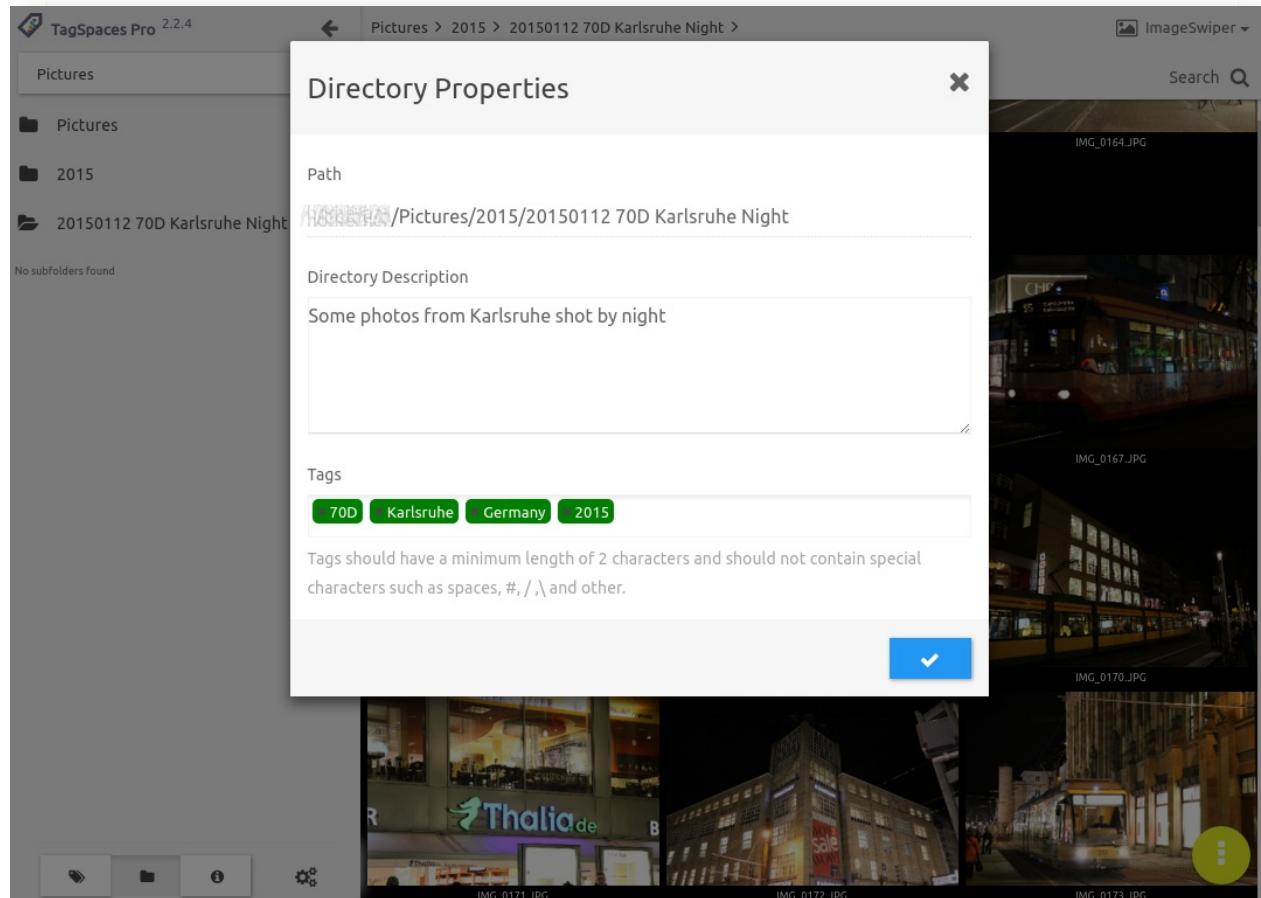
In the setting of TagSpaces you can activate a checkbox "Move deleted files or folders to trash bin". After activating it, all files deleted in TagSpaces will be sent to the *Trash*, *Trashbin* or *Recycle bin* depending on your operating system. From these locations, your files can be easily recovered in case of an unintended deletion.



pro Adding folders meta information

TagSpaces PRO gives you the ability to add tags and a description to every folder connected to it. These information is managed in the folder properties dialog, which can be accessed as shown in the following screenshots.





Technically TagSpaces PRO created a sidecar file called `tsm.json` in the hidden `.ts` folder of every folder. This file contains the folder tags and description.

```

~ location folder (with your files)
└── subfolder
    ├── .ts
    │   └── tsm.json
    ├── file1.jpg
    └── file2.pdf
└── .ts
    └── tsm.json
└── file3.png
└── file4.docx

```

Pro settings

Options



GENERAL **PRO** PERSPECTIVES FILE TYPES KEY BINDINGS

- Calculate tags from the current search results

Reduces the performance while browsing directories

- Move deleted files or folders to trash bin

- Enable the use of a hidden folder(.ts) for storing meta data and thumbnails **BETA**

- Use sidecar files in the hidden folders for saving meta data (e.g. tags) **BETA**

- Enable thumbnails generation

Thumbnail size

400px

Thumbnail format

jpeg



Experimental Functionality! Please be careful changing any of the following settings.

- Enable text extraction from files **ALPHA**

SAVE & RESTART

SAVE

File and Folder Management

The app can be used as a simple file manager. It support currently the following operation of files and folders.

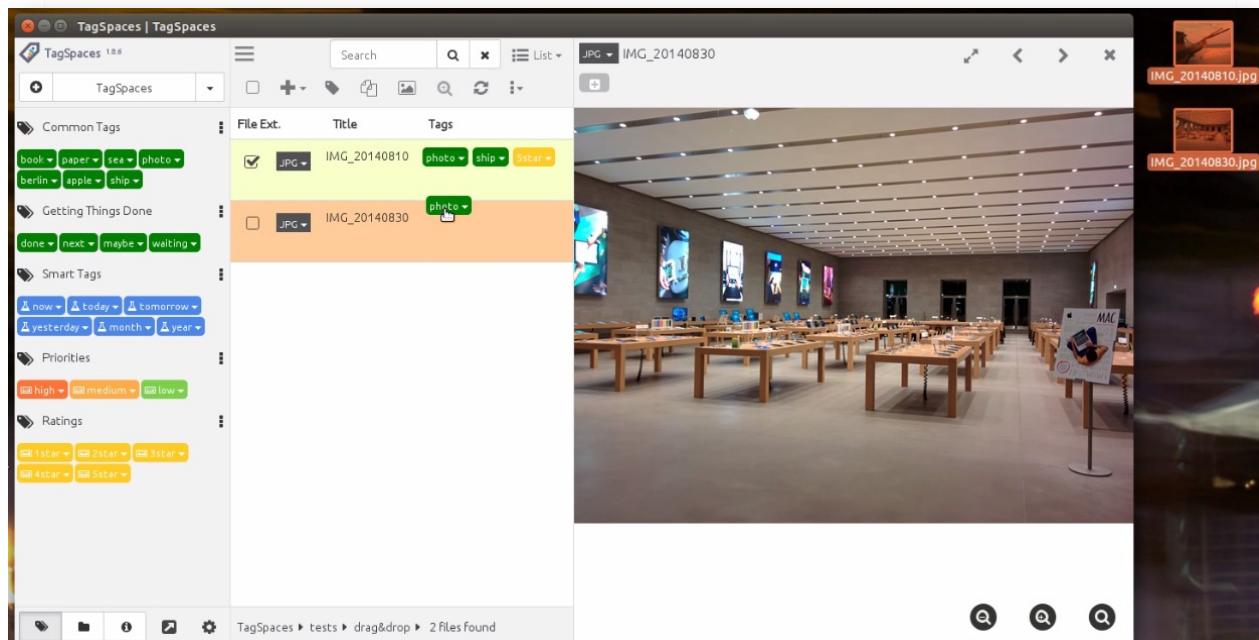
File operations

- File renaming
- File moving
- File deleting
- File opening with the current default application for your operating system
- Opening parent folder of a file with default file manager

Drag & Drop of files

The user interface of the application is design to be usable on touch screens, but for the pure desktop, we support many drag & drop operation such as:

- Dragging tags from one file to another in the list perspective



Folder operations

- Folder renaming
- Folder deleting (only empty folder can be deleted)
- Folder opening with the default file manager of the operating system

TODO:

- how-to-organize-your-files

Taking notes with TagSpaces

TagSpaces has the ability to create and edit new files in [plain text](#), [HTML](#) and [markdown](#). With these functions the application can be used as valuable alternative to note taking and personal wiki systems such as Evernote, Onenote, TidyWiki and others.

Evernote alternative

Some typical Evernote use cases includes:

- Saving web pages and other digital artefacts
- Creating and editing notes
- Organizing documents with tags in collections
- Distributing the collected artefacts across different devices such as smart phones and tablets

Evernote is a cloud based service for collecting and organizing of digital artefacts such as web clips, pictures and documents. Despite all the cool features, I was still concerned about the fact the Evernote stores all the data I have collected over the years on servers somewhere in the cloud. Saving of web pages sounds as a trivial task, but it has some tricks. For example, if you try to save a web page with all the images in it in Firefox, it will create a HTML file and a separate folder containing all the included images, CSS and other files. This functionality has one major drawback - the main HTML file can be easily separated from the folder with images. So now I was searching for a file format saving all the web page content in one single file, and I came to [MHTL format](#). This format is based on this RFC [specification](#). The good news was that many internet browsers are supporting this format either OOTB (out of the box) or with the help of third-party extensions. Some popular rich mail clients such as Mozilla Thunderbird and Microsoft Outlook are also supporting MHT without external help. This makes managing of important emails outside of the client's email address very easy. An overview of the applications supporting MHT file format follows in the table below:

Application opening MHT files MHTML saving Firefox [Mozilla Archive Format](#) add-on [Mozilla Archive Format](#) add-on Internet Explorer OOTB OOTB Chrome OOTB [Enable save as MHTML](#) Opera OOTB OOTB Thunderbird not relevant OOTB (Files have the EML extensions) Outlook not relevant OOTB

As you can see, the variety of applications supporting MHT export makes the collecting of data from many input channels very easy. Currently for saving things from the web I am using the following directory structure on my local drive. As you see the files are organized in a flat folder hierarchy, I create for every month a new folder with this naming pattern YYYYMM e.g. 201211 for November 2012. The "month" folders are then placed in the "year" folders (pattern YYYY).



But every other folder structure is possible, of course. The only limitation is the [length](#) of the filename, which on some file systems includes the path to the folder where the file is located. So keep in mind that a very deep folder structure could lead to some technical limitations. The following screenshot shows how the same folder structure looks in TagSpaces. In the middle section you see a table, where every row represents a file. The green rectangles represent tags. The tags are persisted in the name of every file in brackets. This simple solution make the tags tool independent, portable and long living, since no database and/or tool is involved in the process. In the right area you can see a preview of the currently selected MHT file. Of course, TagSpaces can open not only MHT files, but also PDFs, JPGs, PNGs, etc. In fact almost every file type, which can be viewed in the browser, is possible. A growing list of the supported files for viewing and editing in TagSpaces can be found [here](#).

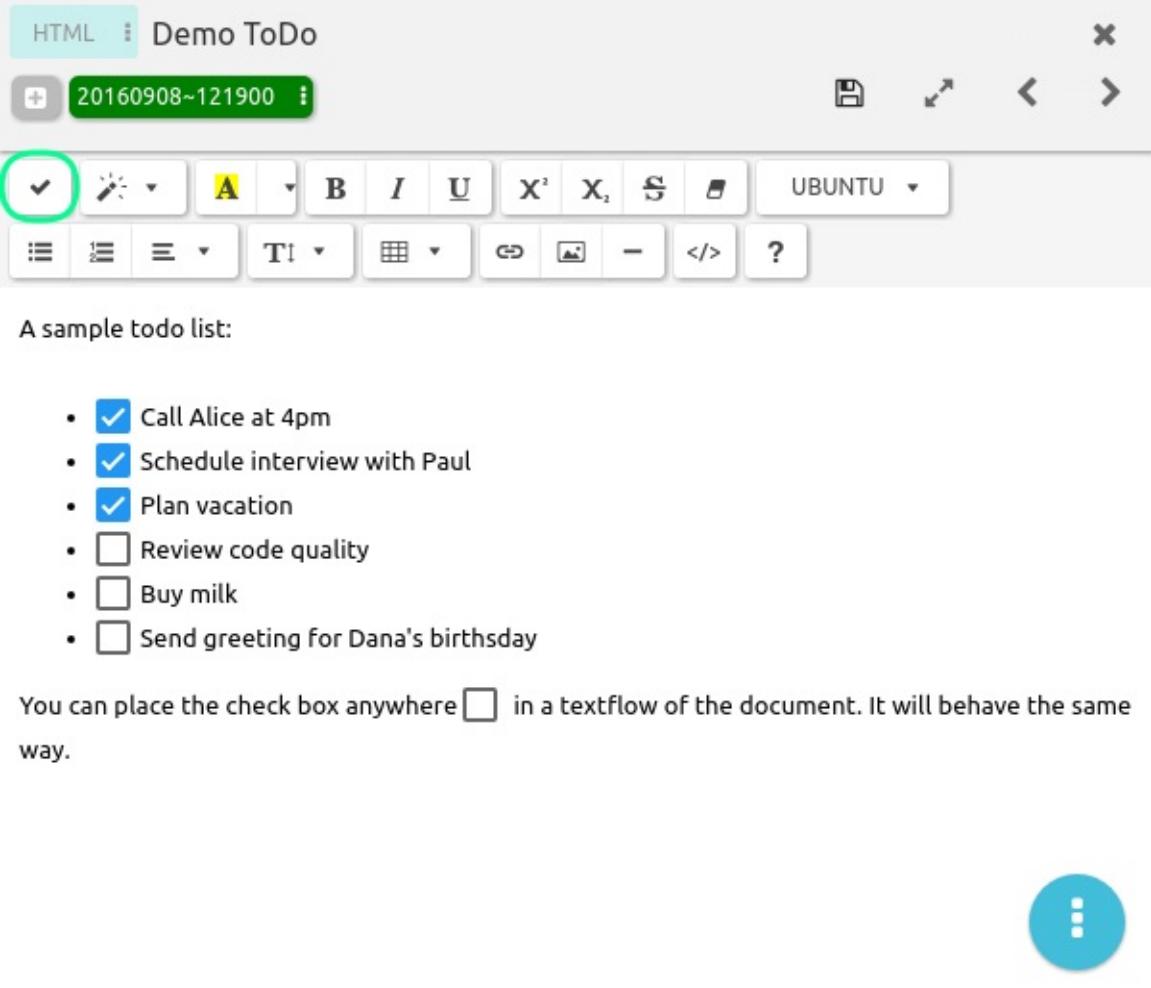


This folder structure can easily be distributed with the help of e.g. [ownCloud](#), across multiple devices such as tablets, TVs or smart phones.

TODO Management

Support for ToDo / checkboxes in the rich text editor

One long awaited feature for the application is to support managing of todo lists. This is a core feature in concurrent products such as Evernote or Onenote and finally we manage to integrate in the HTML editor extension, so now it is available to all TagSpaces users on all platforms.



The screenshot shows the TagSpaces rich text editor interface. At the top, there's a toolbar with various icons for text styling (bold, italic, underline, etc.) and document management (undo, redo, save). A green circle highlights the first icon in the toolbar, which is a checkbox symbol. Below the toolbar, the text "A sample todo list:" is followed by a bulleted list of tasks:

- Call Alice at 4pm
- Schedule interview with Paul
- Plan vacation
- Review code quality
- Buy milk
- Send greeting for Dana's birthday

Below the list, a note says: "You can place the check box anywhere in a textflow of the document. It will behave the same way." In the bottom right corner of the editor window, there's a blue circular button with three vertical dots.

The functionality is very simple, yet powerful. You can place a checkbox by placing the text cursor somewhere in the document and then click on the checkbox button (in the upper left corner of the previous screenshot). This way you can make any text element a todo item. Which can be then organized in lists or in other ways. Once you completed a given task, you can click on its checkbox in order to make your achievement visible. The todo checkbox can be clicked only when the file is in edit mode.

Tip: Exporting Evernote notes

Managing photos with TagSpaces

TODO:

- Using the image viewer
- Using the image swiper perspective
- Using the grid perspective
- Opening photos
- Changing the background
- Tagging

Webclipping - collect everything online

We offer experimental browser extension for capturing web content. These so called webscraper are available for Chrome and Firefox browsers.

TagSpaces Firefox Addon

- Saving the current webpage as single files including the embedded images and styling information in pure HTML format.
- Saving the a selected part of the current webpages as HTML file.
- Saving a screenshot of the visible area of the current webpage as a PNG files.
- Adding tags in the file names to the shaped files before saving

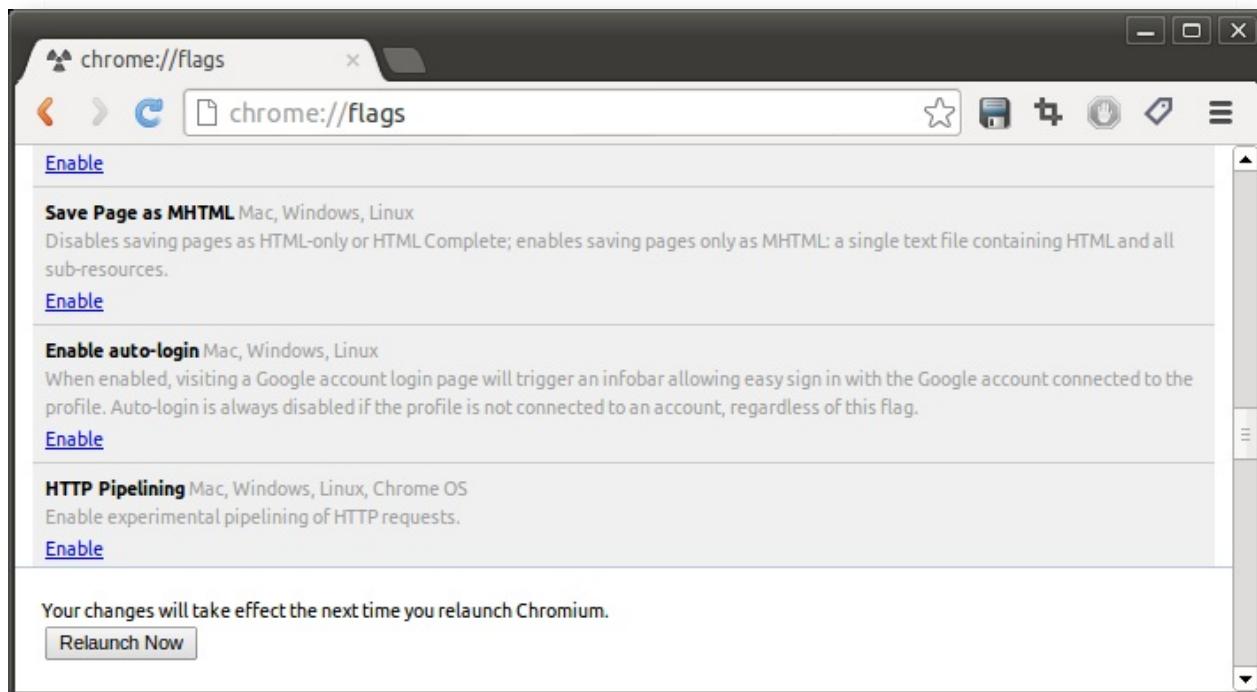
TagSpaces Chrome Extension

- Saving the current webpage as single files including the embedded images and styling information in MHTML format.
- Saving the a selected part of the current webpages as HTML file.
- Saving a screenshot of the visible area of the current webpage as a PNG files.
- Adding tags in the file names to the shaped files before saving

Enabling the saving of webpages as MHTML

TagSpaces is a great tool for MHTML file organization on many platforms, because it features an integrated MHTML viewer, but the question here is how you can save web pages as handy MHTML files directly out of the Chrome browser. Here you will find the answer of this question for the both browsers - Chrome and Chromium respectively. And no, you don't have to install the TagSpaces chrome extension to achieve this, but just to execute the following steps:

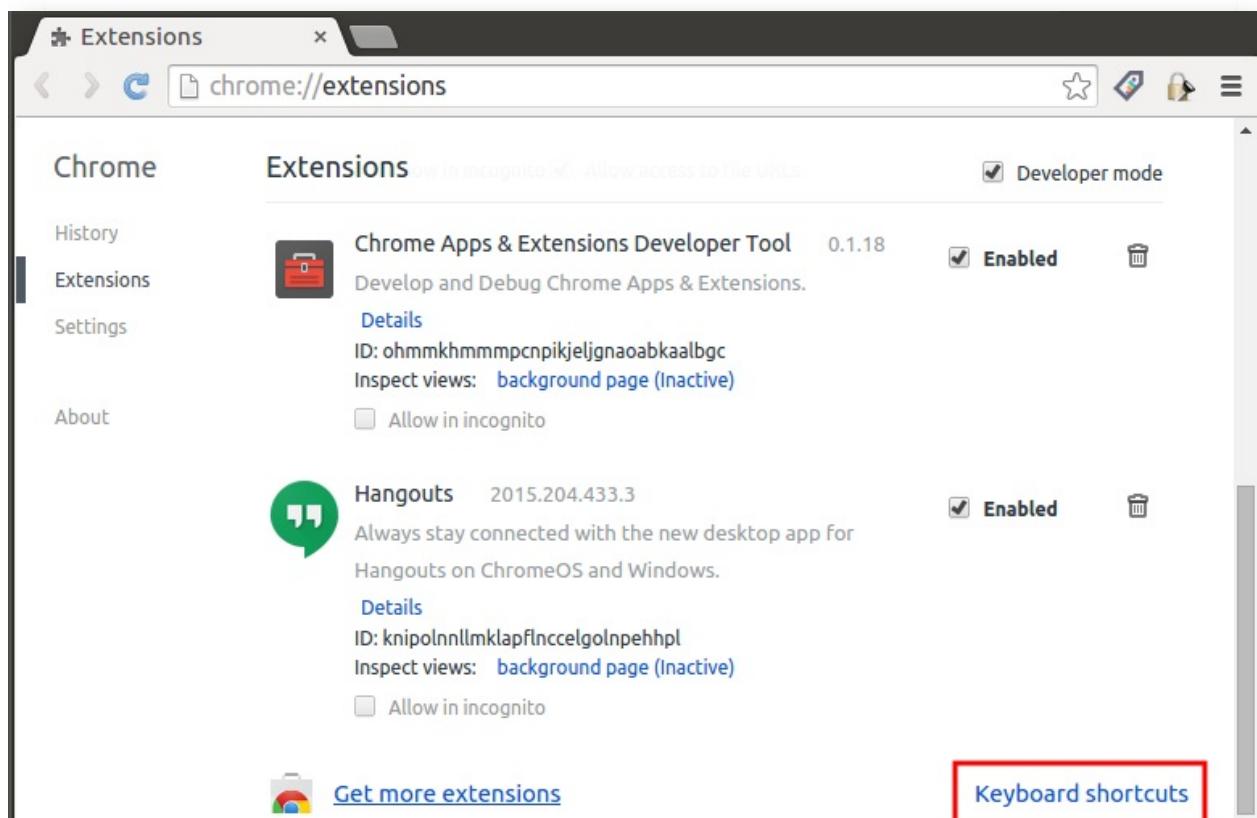
1. Start the Chrome/Chromium browser
2. Navigate to "chrome://flags"
3. Find the entry "Save Page as MHTML"
4. Click "enable"
5. Restart your browser
6. That's it, now the web pages will be saved by default as MHTML



Note After this activation you will not be able to save website in HTML anymore.

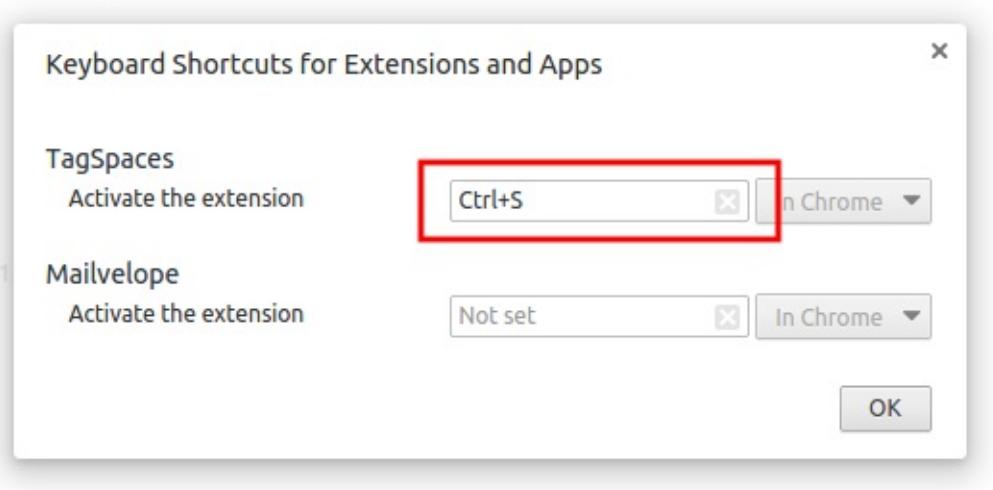
Adding keyboard shortcut to the webclipper

At the end of the extension management page in the Chrome browser there is a link called "Keyboard shortcuts". See the red area of the screenshot below.



This link opens a dialog where you can set a direct keyboard shortcut, which will open the popup area of an extension. Since currently the main functionality of the this area in TagSpaces is to scrap the current webpage, I choose for myself the shortcut `ctrl+s`, which overwrites the default save as functionality of Chrome browser. You can choose of course any

other key combination, like for example `ctrl+shift+s`.



So now I can conveniently save and tags any page by just clicking this shortcut combination.

Download location for web clippings

In order to be asked everytime, where you want to save the scapped web content, make sure to activate the checkbox "Ask where to save each file before downloading" in the advanced Chrome settings.

Playing local content with TagSpaces

The audio video player

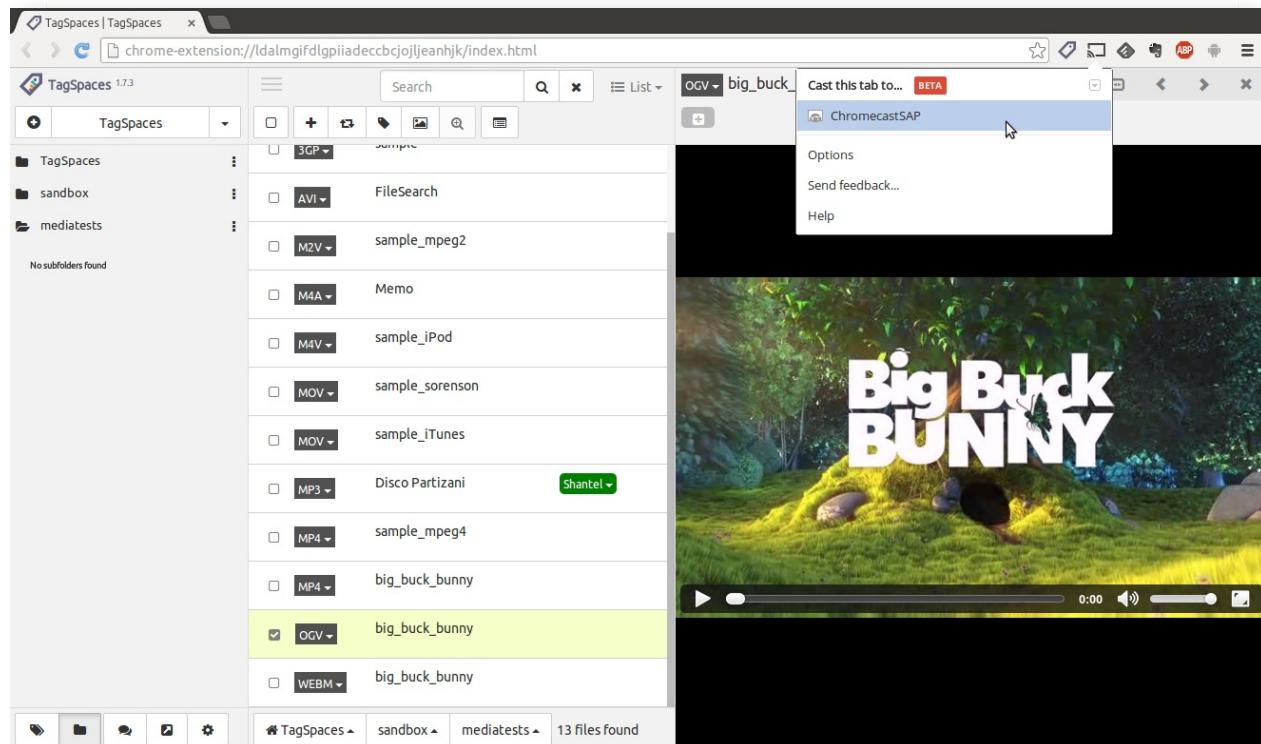
TODO: present the key functionalities

Projecting content to Chromecast(TM)

Since the release of the [Google's Chromecast](#) some years ago, we were really keen to find a way how to cast my local content such as music, photos and movies to a TV. This use case is currently not possible out of the box with Chromecast, but with help of the TagSpaces Chrome extension it is very easy to achieve it.

The only thing you need beside a Chromecast and of course TagSpaces is the Chromecast extension for Chrome. With this extension you basically project the content of a tab in Chrome to your Chromecast device. The extension can be downloaded directly from the [Google's Web Store](#). After the installation you will see a small icon of this extension in the Chrome's toolbar, as seen in the screenshot bellow.

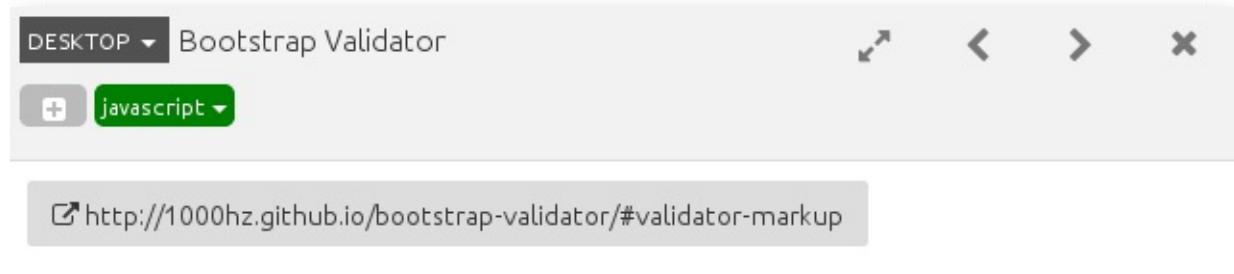
So now after starting TagSpaces and navigating to a folder with videos for example, you can just open one and click on the Chromecast button in the browser. From the popup you can choose the desired Chromecast device and then you are ready. The desired movie is now played on your TV. If you want to see the movie on full screen, just press the full screen button in the movie player.



Bookmark manager

TagSpace comes with a build in viewer for `.url`, `.website` and `.desktop` files. This is basically enabling you to use TagSpaces as a bookmark manager. `.url` files can be created for example in Windows by dragging and dropping over the desktop a website from your browser. `.desktop` files are the alternative to the `.url` files in Ubuntu.

Once you open such a file, a button with an URL will be shown in the viewer, allowing you to open this URL in your default browser.



Personal wiki

TODO:

- Show step by step the building and using of personal wiki system

Syncing files between TagSpaces installations

Using cloudservices like:

- Dropbox (TM)
- Google Drive (TM)
- Microsoft One Drive (TM)

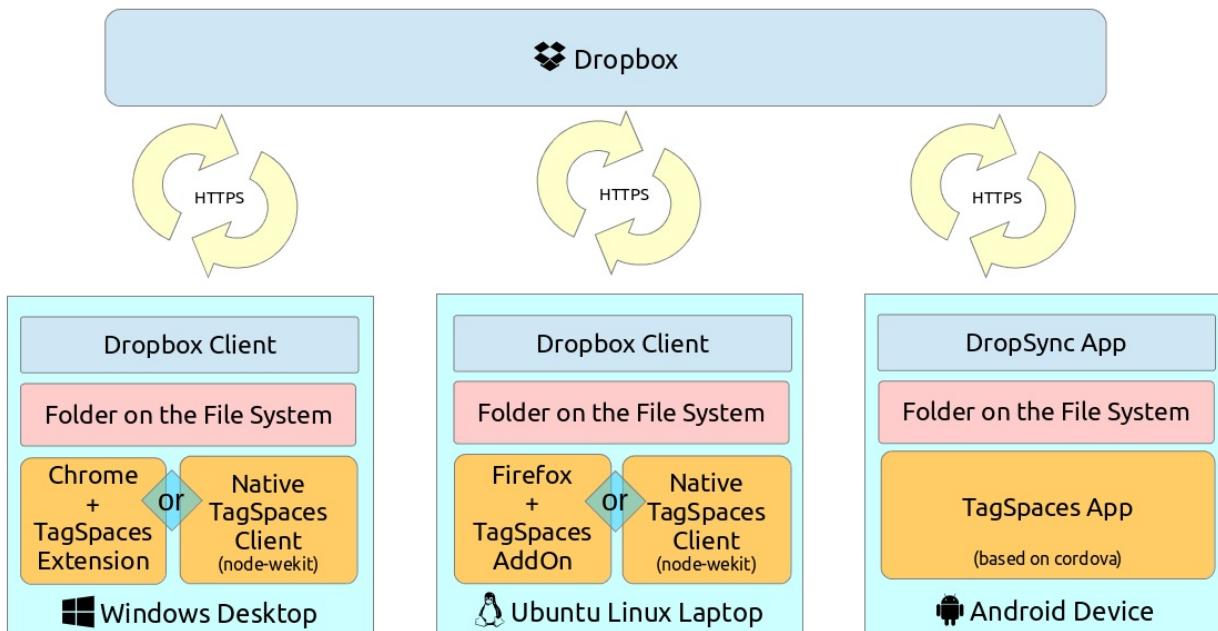
or other P2P projects like

- Syncthink (TM)
- Bittorrentsync (TM)

One of the most common questions I receive about TagSpaces, is about the missing files synchronization feature. The concerns of the users are that they spend an hour tagging their files on the laptop, but now they want to get the same results also on their tablet or desktop computer and vice versa. Ok, my opinion here is that TagSpaces does not need sync functionality, because all the tags are saved in the names of the files, which makes this meta-information extremely portable between devices. This is one of the main differences between TagSpaces and other applications offering tagging on files. Most of those applications are using some kind of database to store the tags, which makes the transfer of this information challenging. Besides that, your tagging information in this case is locked by the vendor and you cannot migrate to another application or service without significant effort. Saving the tags in the file names make the information stick to your files, and you can find files based on the tags even with simple search functionality supplied with your operating system.

For the synchronization of the tagged files with TagSpaces, you can use any "cloud" service like [Dropbox](#) or projects like [ownCloud](#), which provides sync clients. At present, I personally use Dropbox with its native clients on my Ubuntu laptop and the [DropSync](#) app on my Nexus 10 and Nexus 5 devices. This tool combination works perfectly with TagSpaces and the way it preserves tagged information. And since there are TagSpaces clients for many platforms (currently Windows, OS X, Linux, Firefox, Chrome and Android), your tagged files can be synced and used almost everywhere.

The following diagram shows my current utilization of Dropbox in connection to TagSpaces.



If you are using TagSpaces with any other sync service, please post a comment below. I am always keen to know details on the way you are using TagSpaces.

Collaboratively using tags and tag groups

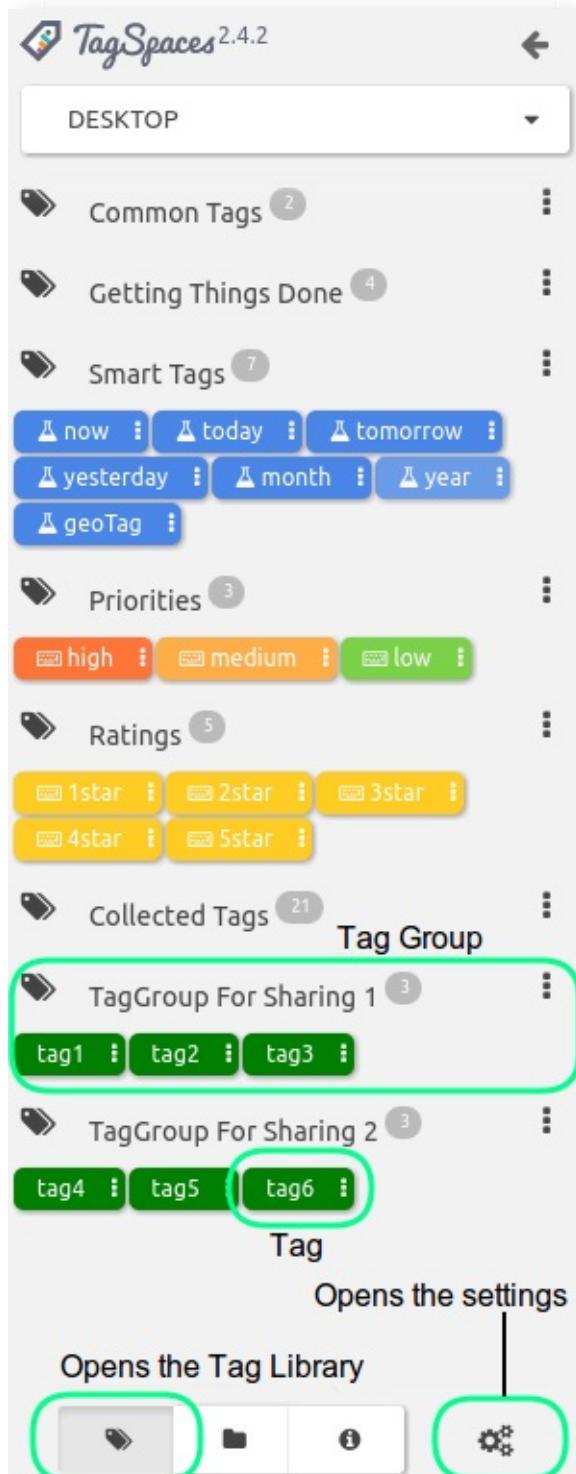
- [Introduction](#)
- [Exporting the existing tag groups](#)
- [Editing and cleaning up the exported library \(optional step\)](#)
- [Distributing the library](#)
 - [Direct import in the tag library](#)
 - [Loading the exported tags load on opening a location](#)
- [Closing remarks](#)

Introduction

A common requirement for many TagSpaces users is sharing tag and tag groups across computer networks and devices. This article runs through the steps required for setting up TagSpaces in order to use a shared tag groups. It will guide you through the process of exporting the tag groups, editing them in externally and re-importing or reusing them in other installations. After understanding how TagSpaces handles tag groups you will be able to achieve the following use cases with our application:

- Sharing tag groups with other TagSpaces users on a shared network drive or shared dropbox / google drive / synchting accounts.
- Using the same tag groups in other installation of the application on platforms such as Android

But before we start, let's define some terms from the TagSpaces jargon. **Tag Library** is a collection of tag groups, which can be opened by clicking on the button located in the bottom left corner of the application. A **Tag Group** is a collection of tags. For clarification you can see the screenshot bellow.

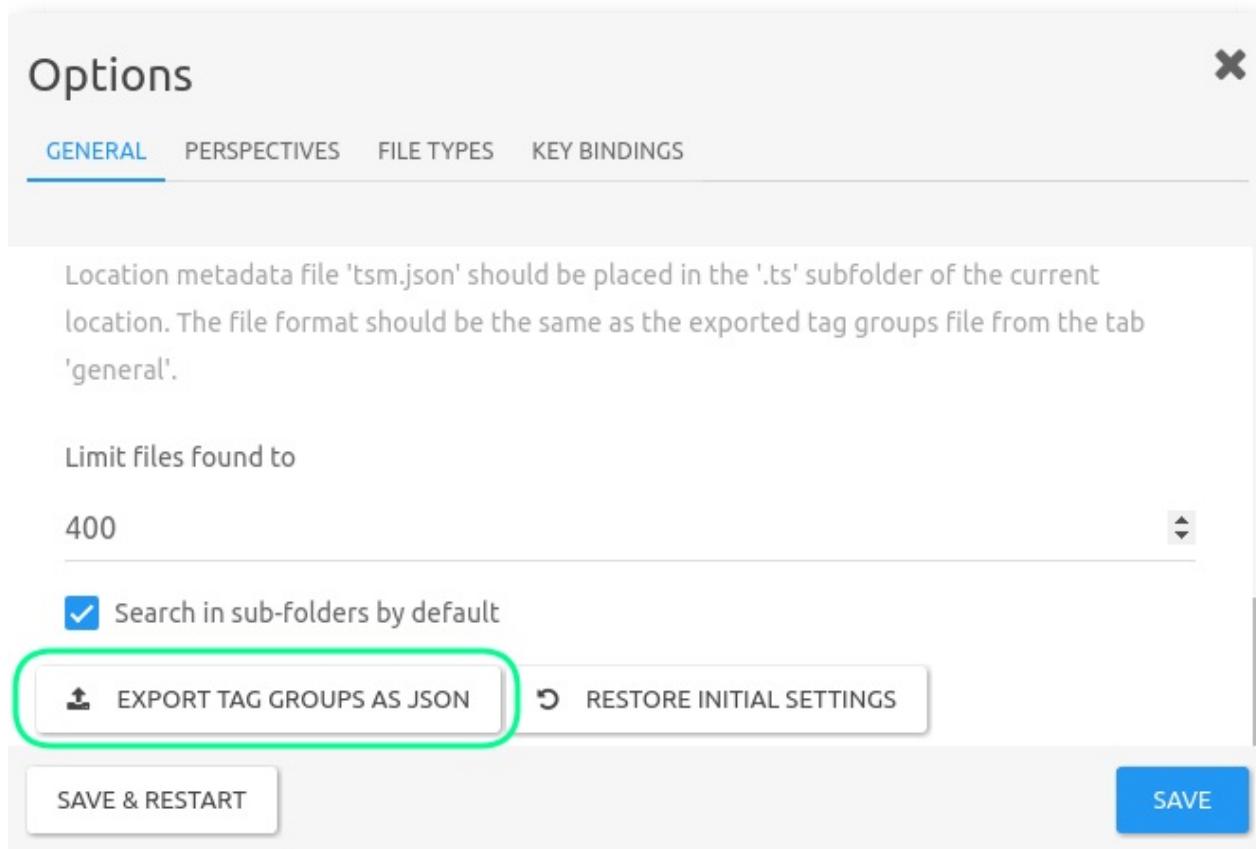


So let's assume you want share the tag groups with the names "TagGroups for Sharing 1" and "TagGroups for Sharing 2" with your colleague which is also using TagSpaces in order to have a common base for tagging on collaborative projects. As a preparation steps you can define these tag groups and put the needed tags in there, with the desired names and colors. Of course you can change them later, but at this point is much easier as you can use the TagSpaces user interface.

Exporting the existing tag groups

After adding all the needed tags and specifying their colors you are now ready to export them. You have just to go to the settings of the application by clicking the "gears" button as seen on the screenshot above. In settings dialog you have to go to the first tab called "general" and then you have to scroll down until you see a button called "Export Tag Groups as

JSON".



After clicking on this button, a file saving dialog will appear, asking you to select a location where to save the file with the exported tag groups. This is files a called "tsm[20160807~131454].json", where the date/time stamp in the tags reflects the date and the time of the export. More on the export file format can be found in the [file format specification](#).

Editing and cleaning up the exported library (optional step)

This step can be skipped if you do not need to make changes to the exported tags, otherwise you have to open the json file in some text or json editor and do the changes manually. TagSpaces has a powerful build in json editor, with which you can edit the exported json files. We assume here that we want to share only the two previously mentioned tag groups "TagGroups for Sharing 1" and "TagGroups for Sharing 2". So we will open this file with the json editor in TagSpaces and delete the unneeded tag groups or adjust some tag names. To achieve this you have to open json file with TagSpaces and click on the edit button as shown in the following screenshot.

The screenshot shows the TagSpaces application interface. On the left, a file list displays 71 files found, including 'trello-calendar' (215.1 kB), 'ts-recipe' (34.2 kB), 'tsm' (4.4 kB), 'ttS6GU1' (21.2 kB), and 'Tutorial - How to add new file type in settings' (2016.03.27). The 'tsm' file is selected and highlighted in green. On the right, a JSON editor window titled 'tsm' shows the file's metadata. The 'tagGroups' array is expanded, showing 8 items. A circled green pencil icon is visible in the top right corner of the JSON editor.

Then you can navigate to the tag groups element and make some changes there, see the next screenshot for clarification. Following our initial intention, we have to delete all the tag groups located above the "TagGroups for Sharing 1". You can use the menu of the tag groups elements for achieving this steps. Don't forget to click in the save button in order to persist your changes.

This screenshot is similar to the previous one, showing the same file list and JSON editor. However, a context menu is open over the first item in the 'tagGroups' array. The menu options include 'Type', 'Sort', 'Insert', 'Duplicate', and 'Remove'. The 'Remove' option is highlighted with a red box. The JSON editor shows the expanded 'tagGroups' array with 8 items, and the 'expanded' field is set to true. A circled blue 'Remove' icon is visible in the bottom right corner of the JSON editor.

Some other possible operation in the export file are:

- Adding additional tags to an existing tag group

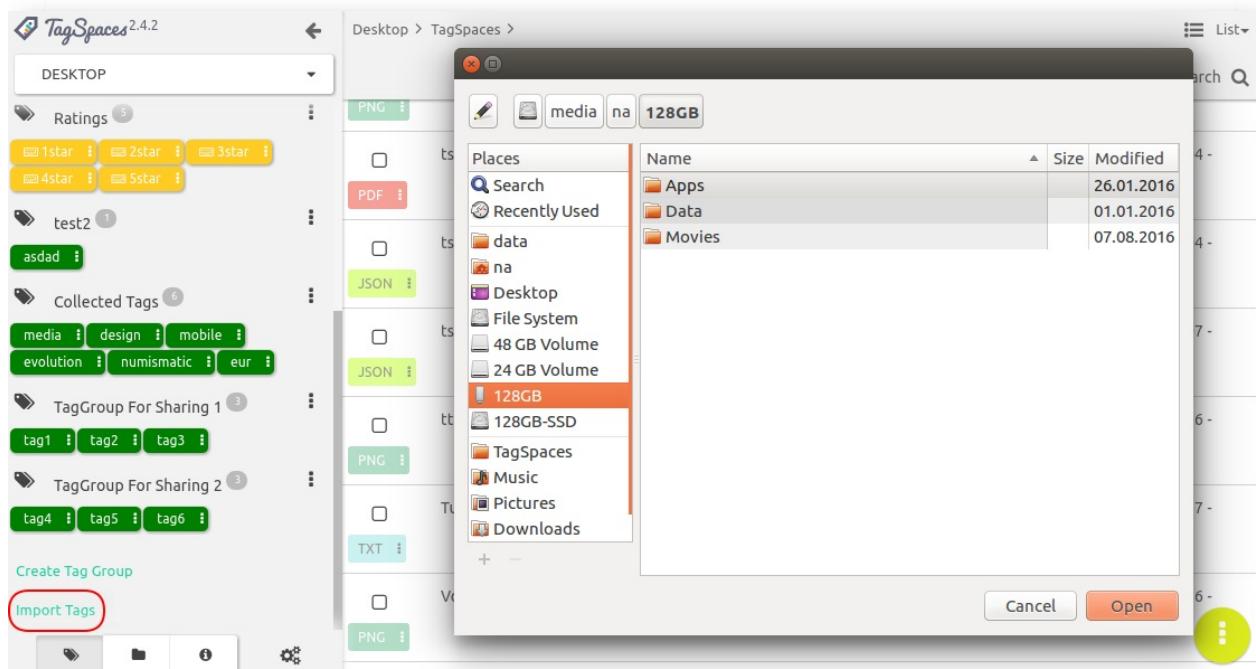
- Duplicating an existing tag group and making changes to the contained tags
- Changing the names of the tags and the tag groups
- Changing the colors of the tags

Distributing the library

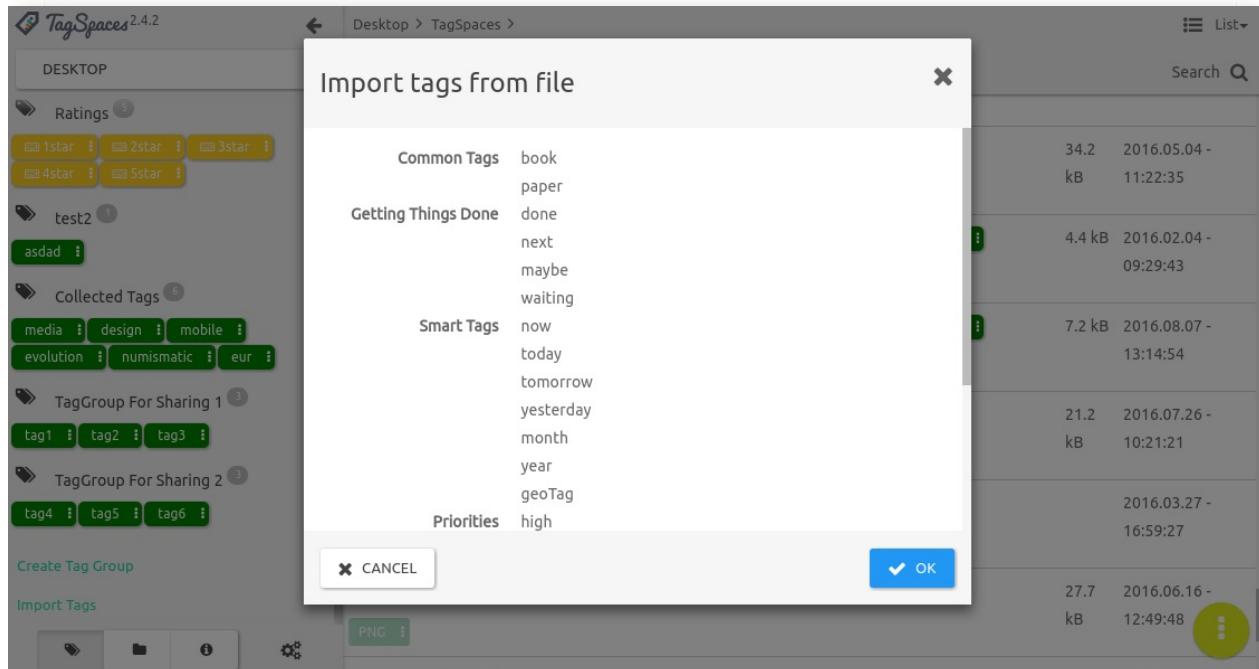
There are two main ways for distributing the exported tags, which will be discussed in the following sections.

Direct import in the tag library

In tag area of TagSpaces you will find a button, which once clicked will trigger the tags import functionality of the application.



After selecting the file and clicking the "open" button, a dialog will appear asking you to choose the json files, which should be imported. This dialog is shown on the next screenshot.



This method has the drawback that once imported in another TagSpaces installation, these tags are disconnected from the source tag library, so any changes done in the source application, will **not** be reflected in the instance where the tags were imported.

Loading the exported tags load on opening a location

On opening of a specific location TagSpaces is trying to open a file called `tsm.json` in the `.ts` subfolder of this location. The `tsm.json` file can contain tag groups, which will be loaded in the tags area on opening the location and also it can contain tags with which the current location directory is tagged. In order to display the tag groups from this file a checkbox in setting shown in the next screenshot should be activated.

Options

GENERAL PERSPECTIVES FILE TYPES KEY BINDINGS

Interface Language English ▾

Switching language will fully take effect after restarting the application

- Show files/directories with a dot(.) in front of the name (e.g. Unix, Linux, OS X hidden files)
- Check for new version on startup
- Use default location as a startup location
- Enable colored file type extensions
- Loads location meta data (currently only tag groups)

Location metadata file 'tsm.json' should be placed in the '.ts' subfolder of the current location. The file format should be the same as the exported tag groups

SAVE & RESTART **SAVE**

So a simple way for distributing your tag library is to rename the exported file into `tsm.json` and put it in the `.ts` folder of a given location. Once this folder is synced with some cloud service like Dropbox or Google Drive the file will be distributed to all other TagSpaces installations using this location. So then if you open this location on some other device the exported tag groups will be loaded in this other TagSpaces installation. This method has the advantage to share one common file with the tag groups to all other clients, so if you change it on one of these clients, the used sync service will distribute it to rest of the clients, so all of the collaborators will work with the latest version of your tag groups. The same holds true if you put this files on a network drive, which is then connected to many TagSpaces installations on different computers.

Closing remarks

Currently you can not use any of the described methods for transferring **smart tags**, because they rely on a tighter integration in core of the application.

Grid Perspective for TagSpaces

A TagSpaces extension allowing you to view your files in a grid with an image preview.

Features

- Listing the file of the current folder in a grid format.
- Showing thumbnails image of the file if available.

Installation

This extension is packaged with any new version of TagSpaces

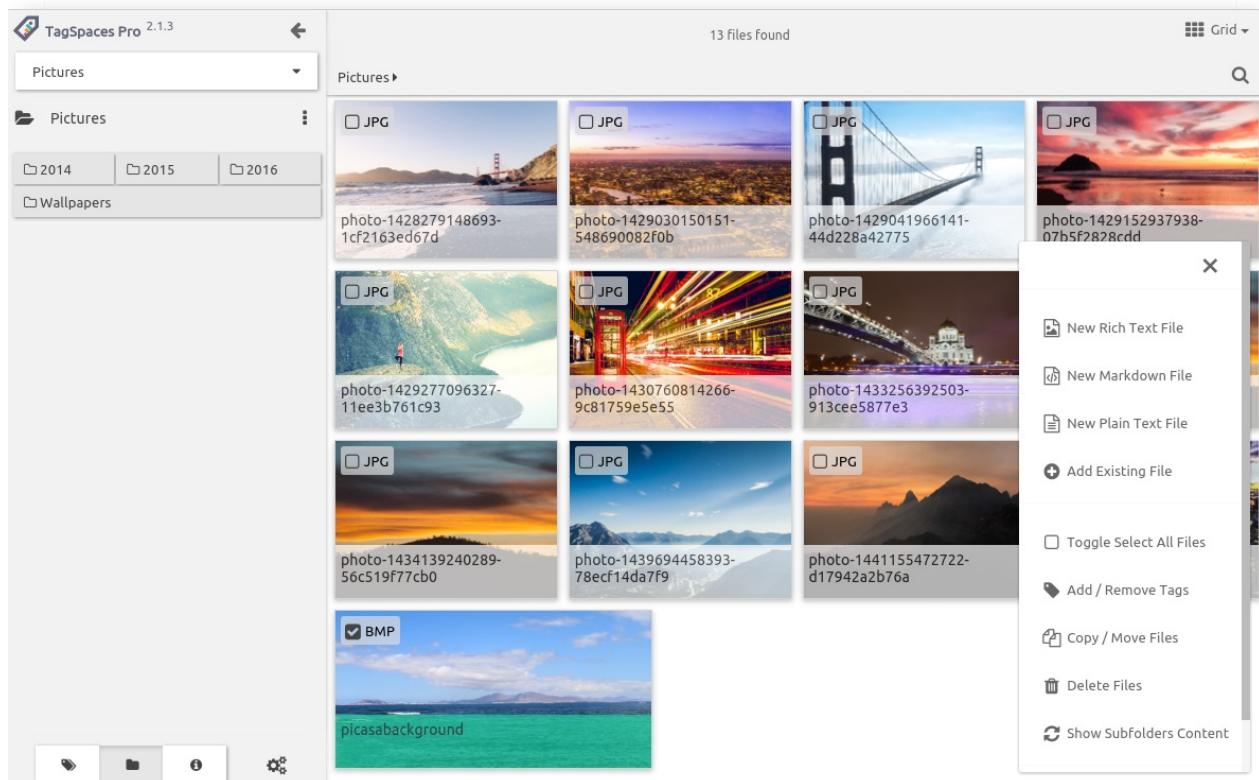
Source code

The source code of this extension is freely available on github.com/tagspaces/perspectiveGrid

Development

If you want to extend this extension, please follow our general [extension development guide](#)

Screenshots



License

MIT

List Perspective for TagSpaces

A TagSpaces perspective allowing you to view your files in a list. It is optimized for performing file management operation.

Features

- Browsing files in the current folder
- Performing basic operations like renaming, moving, deleting, creating and tagging files

Used libraries

This extension thankfully relays on the following great libraries:

- [datatables](#)

Installation

This extensions is packaged with any new version of TagSpaces

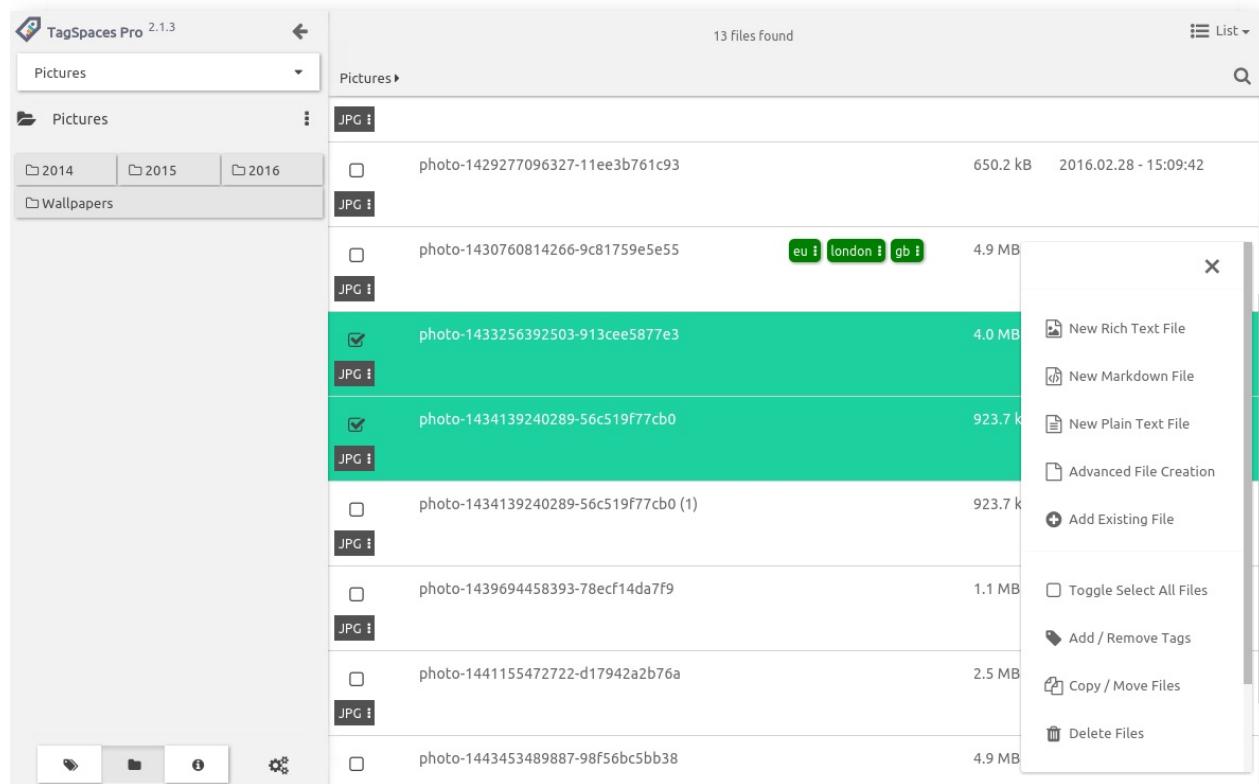
Source code

The source code of this extension is freely available on github.com/tagspaces/perspectiveList

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

MIT

ImageSwiper Perspective for TagSpaces

A TagSpaces extension able to display common images formats from the current folder.

Features

- Displaying only the PNG, JPG, BMP, GIF files from the current folder
- Build in key shortcuts for easy navigation thought the images
- Fullscreen mode
- Image zooming

Used libraries

This extension thankfully relays on the following great libraries:

- [photoswipe](#)

Installation

This extensions is packaged with any new version of TagSpaces

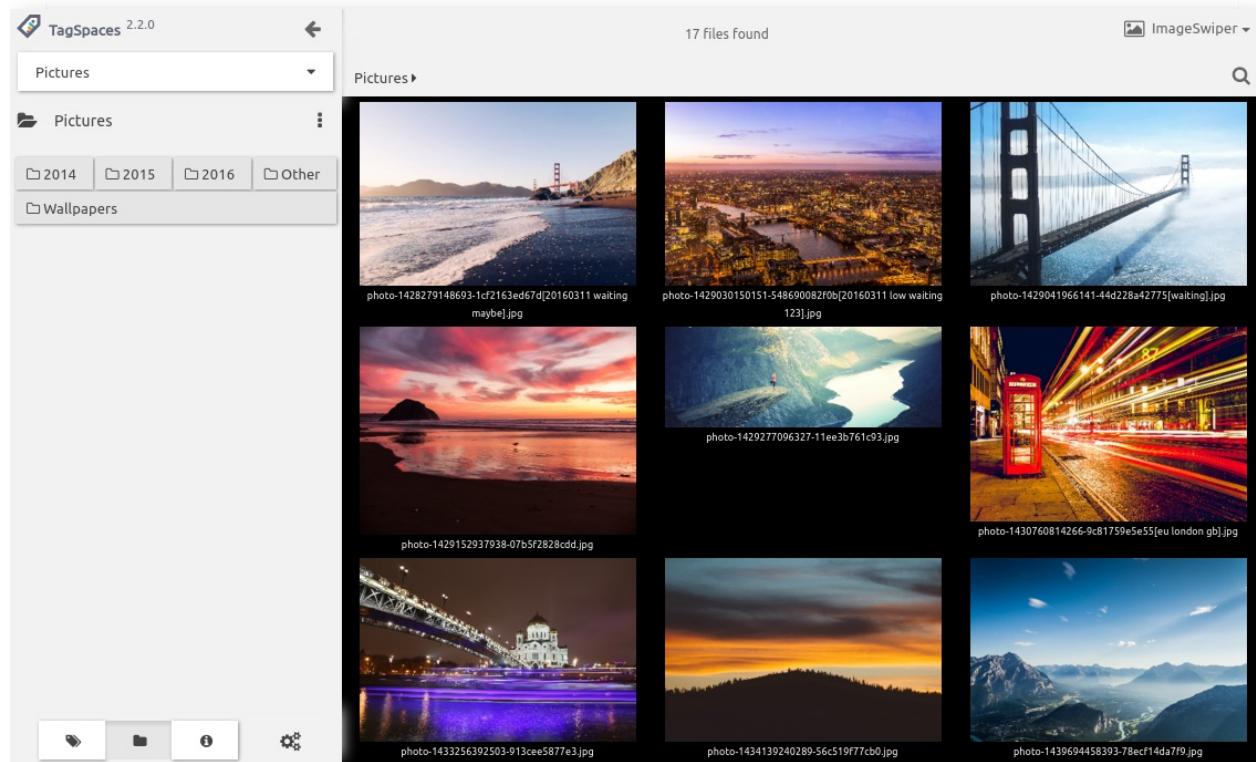
Source code

The source code of this extension is freely available on github.com/tagspaces/perspectiveImageSwiper

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

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Graph Perspective for TagSpaces

A TagSpaces perspective extension allowing to view your file system as a graph. This extension is intended as demo, which main purpose is show the what can be created with TagSpaces as basis.

Features

- Showing the directory tree as a tree / mindmap
- Showing the directory tree as a treemap
- Showing the directory tree as a treemap with navigation capabilities
- Showing the directory tree as a pure tree
- Showing the directory tree as a bilevel partition

Used libraries

This extension thankfully relays on the following great libraries:

- [d3js](#) - Data-Driven Documents

Installation

This extensions is packaged with any new version of TagSpaces

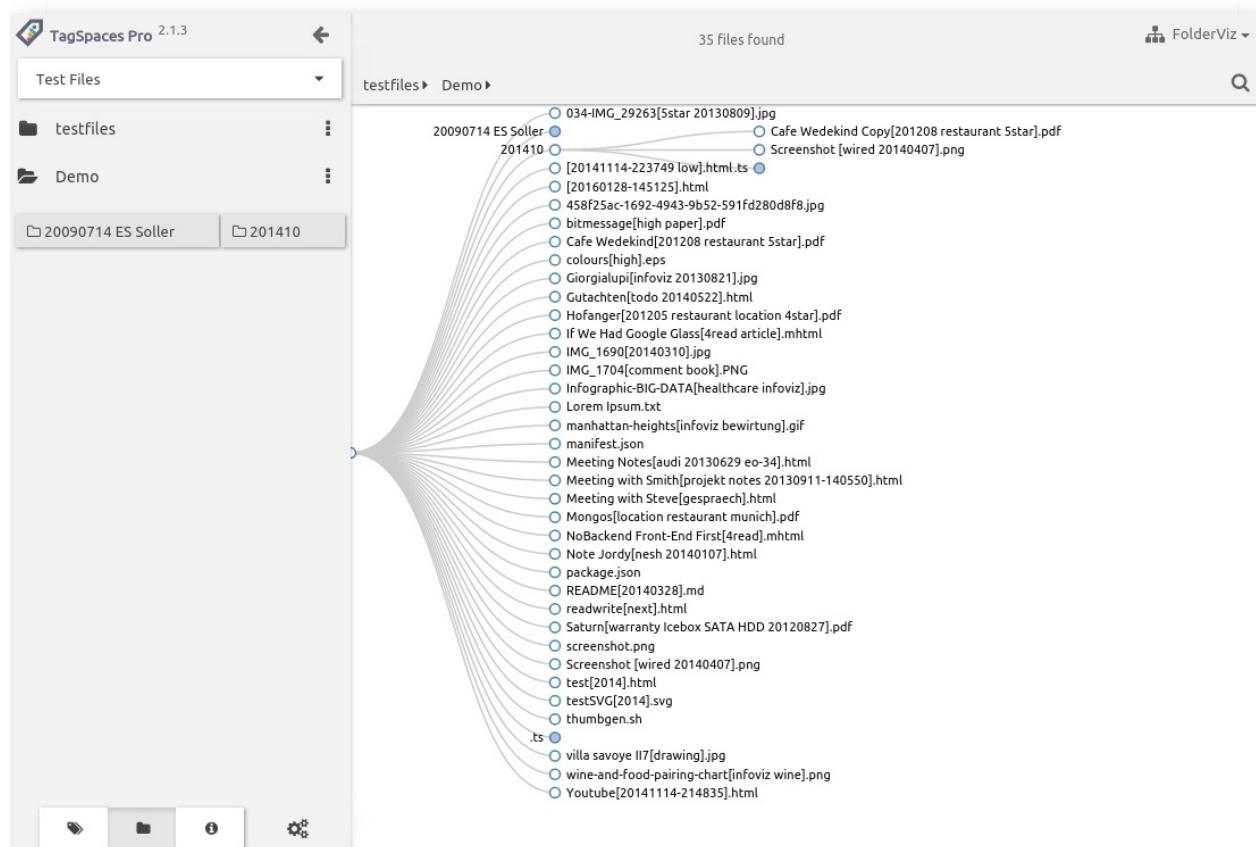
Source code

The source code of this extension is freely available on github.com/tagspaces/perspectiveGraph

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

[MIT](#)

Audio Video Player for TagSpaces

A TagSpaces extension allowing playing of audio and video files.

Features

- Playing audio and video files
- Fullscreen mode
- This extension will trigger the opening of the next file in the current folder on finishing playback, allowing you for example to listen many audio files one after another like in a regular music player.

Used libraries

This extension thankfully relays on the following great libraries:

- [plyr](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on github.com/tagspaces/viewerAudioVideo

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



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EPUB Viewer for TagSpaces

A TagSpaces extension allowing you to open ebooks in EPUB format.

Features

- Open EPUB files for reading

Used libraries

This extension thankfully relays on the following great libraries:

- [viewerEPUB](#)

Installation

This extensions is packaged with any new version of TagSpaces

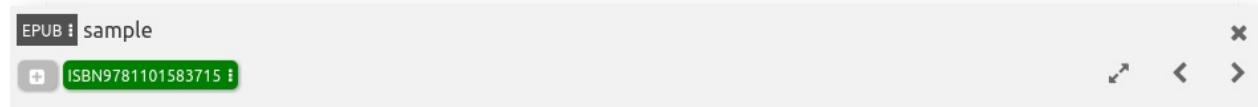
Source code

The source code of this extension is freely available on [github.com/tagspaces/viewerEPUB](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



It's stunning how much news is now driven by such releases—reputable or otherwise. A LexisNexis search of major newspapers for the words “in a press release” brings back so many results that the service actually attempts to warn you against trying, saying, “This search has been interrupted because it will return more than 3,000 results. If you continue with this search it may take some time to return this information.” Same goes for the phrase “announced today” and “told reporters.” In other words, newspapers depended on marketing spam literally too many times to count in the last year.

A Google blog search for “said in a press release” (meaning they quoted directly from a release) brings back 307,000 results for the same period as the LexisNexis search, and more than 4 million for all time. “Announced today” brings up more than 32,000 articles for a single week. If you get specific, an internal search of *TechCrunch* brings up more than 5,000 articles using “announced today” and 7,000 attributed citations to press releases. This pales in comparison to the *Huffington Post*, whose bloggers have written the words “announced today” more than 50,000 times and cited press

releases more than 200,000 times. And, of course, there is also talkingpointsmemo.com, whose name unintentionally reveals what most blogs and newspapers carelessly pass on to their readers: prewritten talking points from the powers that be.

Anyone can now be that power. Anyone can give blogs their talking points. To call it a sellers’ market is an understatement. But it’s the only thing I can think of that comes close to describing a medium in which dominant personalities like tech blogger Robert Scoble can nostalgically repost things on his Google+ account like the “original pitch” for publicity that the iPad start-up Flipboard had sent him.³ It’s a great time to be a media manipulator when your marks actually love receiving PR pitches.

NOT EVEN NEEDING TO BE THE SOURCE

Bloggers are under incredible pressure to produce, leaving little time for research or verification, let alone for speaking to sources. In

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HTML Viewer for TagSpaces

A TagSpaces extension allowing opening of HTML files.

Features

- Offers different themes for displaying of the documents
- Zoom in and zoom out capabilities
- Document printing

Used libraries

This extension thankfully relays on the following great libraries:

- [markdown-css](#)

Installation

This extension is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on github.com/tagspaces/viewerHTML

Development

If you want to extend this extension, please follow our general [extension development guide](#)

Screenshots

HTML Meeting Notes

+ audi 20130629 eo-34

Participants:

- Max Mustermann
- John Smith
- Beatrice Karl
- John Gallius

Agenda:

- Budget discussion
- Vacation plan
- Miscellaneous

1. Budget discussion

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the standard dummy text ever since the 1500s, when an unknown printer took a galley of type and arranged it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

2. Vacation plan

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the standard dummy text ever since the 1500s, when an unknown printer took a galley of type and arranged it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

3. Misc

It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum and other Latin snippets, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

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Image Viewer for TagSpaces

A TagSpaces extension allowing you to open different kinds of image formats

Features

- Opening of the following image formats: JPG, PNG, GIF, SVG, BMP, WEBP, ICO
- Zooming and rotating of the opened image
- For JPG files it features an integrated EXIF parser used for the auto rotation of the pictures

Used libraries

This extension thankfully relays on the following great libraries:

- [exif.js](#)
- [viewer.js](#)

Installation

This extensions is packaged with any new version of TagSpaces

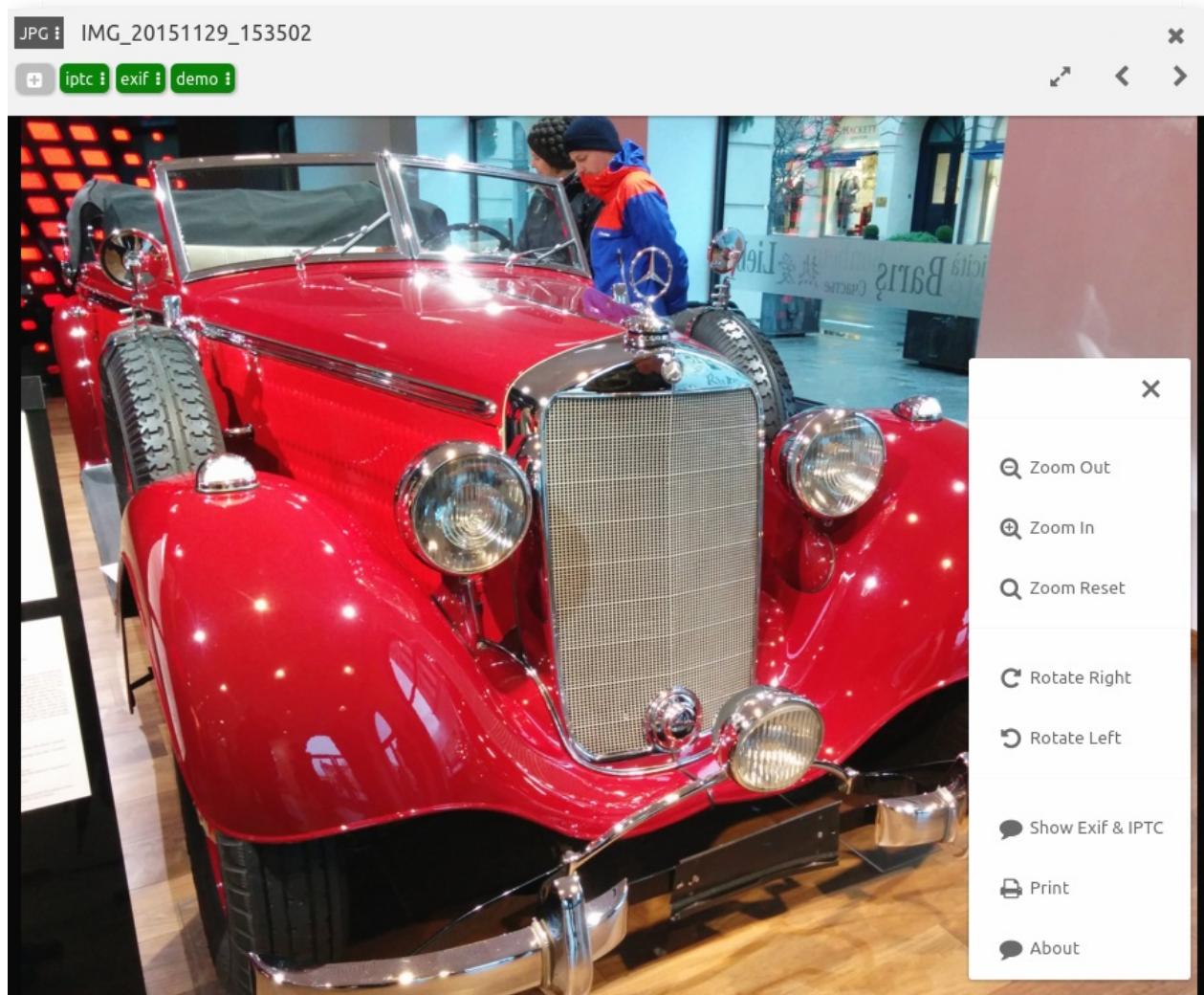
Source code

The source code of this extension is freely available on github.com/tagspaces/viewerImage

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



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URL Viewer for TagSpaces

A TagSpaces extension allowing you to open url files from e.g. bookmark manager

Features

- Enables TagSpaces to be used as bookmark management application
- Opening the links from Ubuntu's `.desktop` files, created for example by dragging URLs from the Chrome browser
- Opening the links from Windows' `.url` files, created for example by Favorite Manager of Internet Explorer
- Opening the links from Ubuntu's `.website` files
- With this extensions it possible to use TagSpaces as a bookmark manager with support of tagging.

Installation

This extensions is packaged with any new version of TagSpaces

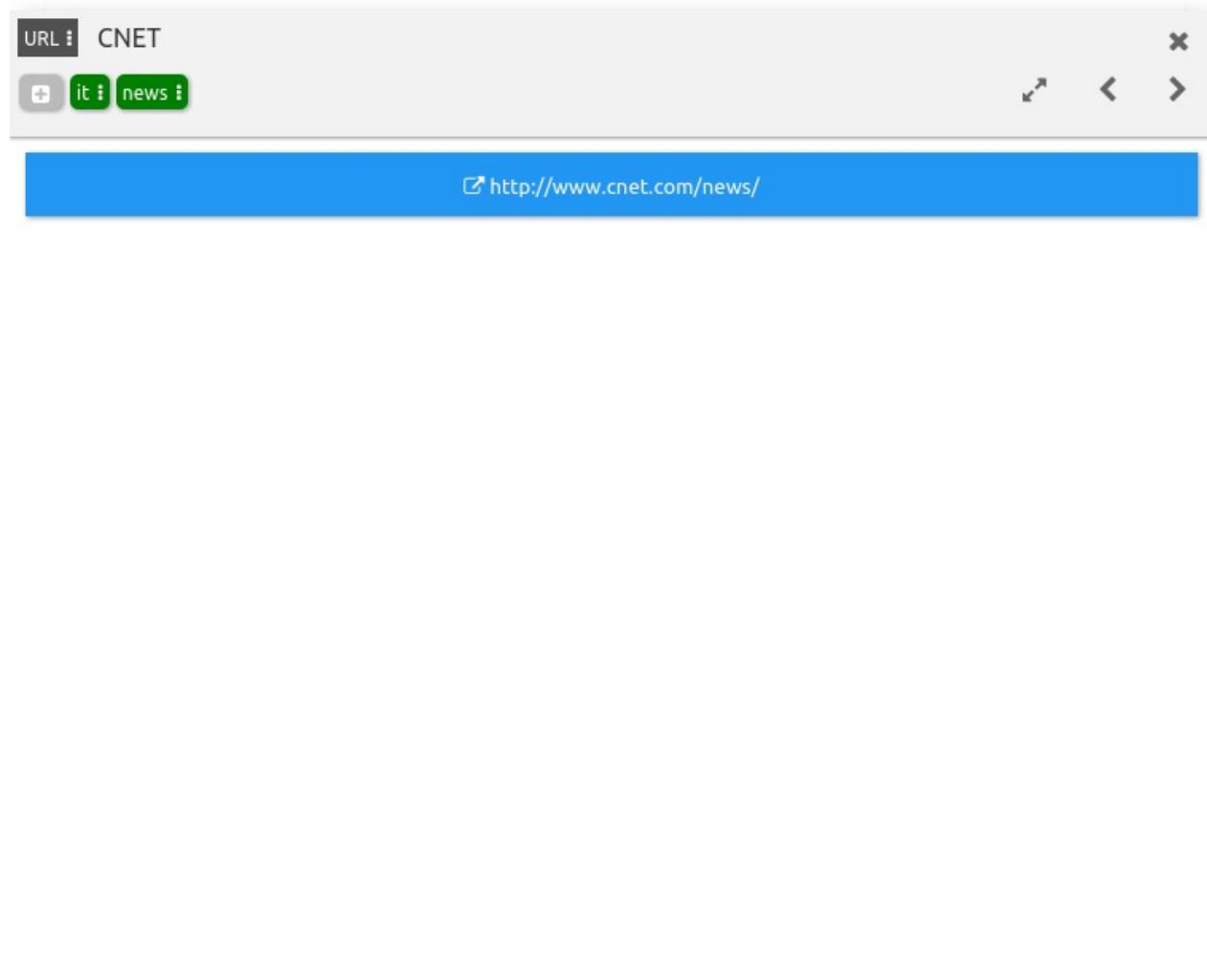
Source code

The source code of this extension is freely available on github.com/tagspaces/viewerURL

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

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Markdown Viewer for TagSpaces

A TagSpaces extension allowing opening of markdown files

Features

- Offers different themes for displaying of the documents
- Zoom in and zoom out capabilities
- Document printing

Used libraries

This extension thankfully relays on the following great project(s):

- [marked](#)
- [markdown-css](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on github.com/tagspaces/viewerMD

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

MD : README

20151215-183949 : birdview :

Install bower package manager

```
$ npm install -g bower
```

Get the TagSpaces source code by cloning its repository:

```
$ git clone https://github.com/tagspaces/tagspaces.git
```

Go to the data folder and install the TagSpaces extensions with bower:

```
$ cd tagspaces && cd data
$ bower install
```

Run the native Windows, Linux or Mac OS X application with NW.js

- Download [nw.js](#) prebuilt binaries for your system environment.
 - For Windows: copy `nw.exe`, `nw.pak`, `icudt.dll`, `ffmpegsumo.dll` to `tagspaces\data\node-webkit\app`
 - For Linux: copy `nw`, `nw.pak`, `icudtl.dat`, `libffmpegsumo.so` to `tagspaces/data/node-webkit/app`. If you experience issue related to libudev.so.0 read the following [article](#).
 - For Mac OS X: copy `node-webkit.app` to `tagspaces/data/node-webkit` directory.
- Run the `nw` executable file.

Run the native Windows, Linux or Mac OS X application with Electron

- Install the `electron-prebuilt` package with this command: `npm install -g electron-prebuilt`
- Goto the folder: `cd tagspaces/data/`
- Execute one of the following commands `electron .` or `npm start`

Run the Chrome/Chromium extension

- Go to the chrome `Settings` and then to `Extension`

License

[MIT](#)

MHTML Viewer for TagSpaces

A TagSpaces extension allowing you to open MHTML and EML files.

Features

- ...

Used libraries

This extension thankfully relays on the following great project(s):

- [mailparser](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on [github.com/tagspaces/viewerMHTML](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

Preview of the document saved on Sun, 3 May 2014 23:32:59 +0200

Then add these lines to your script:

```
[Files]
Source: "website.url"; DestDir: "{app}"

[Icons]
Name: "{group}\Visit My Web Site"; Filename: "{app}\website.url"
```

Setting the "Start In" Field on a Shortcut

Use a WorkingDir parameter on the [Icons] section entry.

Creating File Associations

First set the [Setup] section directive "ChangesAssociations" to "yes". Then create [Registry] entries as shown below.

```
[Registry]
Root: HKCR; Subkey: ".myp"; ValueType: string; ValueName: ""; ValueData: "MyProgramFile";
Flags: uninsdeletevalue

".myp" is the extension we're associating. "MyProgramFile" is the internal name for the file type as stored in the registry. Make sure you use a unique name for this so you don't inadvertently overwrite another application's registry key.

Root: HKCR; Subkey: "MyProgramFile"; ValueType: string; ValueName: ""; ValueData: "My Program File"; Flags: uninsdeletekey

"My Program File" above is the name for the file type as shown in Explorer.

Root: HKCR; Subkey: "MyProgramFile\DefaultIcon"; ValueType: string; ValueName: "";
ValueData: "{app}\MYPROG.EXE,0"

"DefaultIcon" is the registry key that specifies the filename containing the icon to associate
```

License

MIT

ODF Viewer for TagSpaces

A TagSpaces extension allowing opening of [Open Document Format](#) (ODF) based documents like ODT, ODP or ODS.

Features

- Viewing text documents (ODT)
- Viewing presentation documents (ODP)
- Viewing spreadsheet documents (ODS)

Used libraries

This extension thankfully relays on the following great libraries:

- [webodf.js](#)

Installation

This extensions is packaged with any new version of TagSpaces

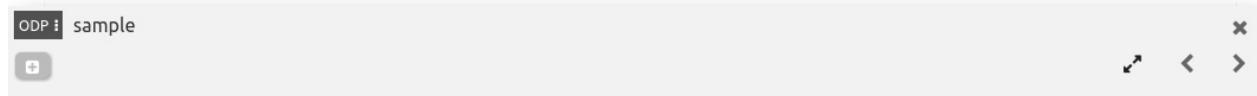
Source code

The source code of this extension is freely available on [github.com/tagspaces/editorODF](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



Open Document Format

Format for Office Documents

Open Standard

All-in-one (zip)

Still improving



Office
Google docs



License

AGPL

PDF Viewer for TagSpaces

A TagSpaces extension allowing opening, searching and navigating thought PDF files.

Features

- Opens PDF files
- Printing PDF files

Used libraries

This extension thankfully relays on the following great project(s):

- [pdf.js](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on github.com/tagspaces/viewerPDF

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

PDF : bitmessage

high paper :

Page: 3 of 5 Automatic Zoom

```

graph TD
    Root[1] --> Left[2]
    Root --> Right[3]
    Left --> Node4[4]
    Left --> Node5[5]
    Right --> Node6[6]
    Right --> Node7[7]
  
```

A Bitmessage client should use a negligible amount of hard drive space and processing power. Once it starts exceeding comfortable thresholds, new addresses should be created in child streams and the nodes creating those addresses should consider themselves to be members of that stream and behave as such. From then on, if the node has no active addresses in the parent stream, they need only maintain connections with peers which are also members of this child stream. With the exception of nodes in stream 1, the root stream, nodes should occasionally connect to peers in their parent stream in order to advertise their existence. Each node should maintain a list of peers in their stream and in the two child streams. Additionally, nodes should each maintain a short list of peers in stream 1. In order to send a message, a node must first connect to the stream encoded in the Bitmessage address. If it is not aware of any peers in the destination stream, it connects to the closest parent stream for which it is aware of peers and then downloads lists of peers which are themselves in the two child streams. It can now connect to the child stream and continues this process until it arrives at the destination stream. After sending the message and listening for an acknowledgement, it can disconnect from the peers of that stream. If the user replies to the message, their Bitmessage client repeats the same process to connect to the original sender's stream. After this process has been carried out once, connecting to the destination stream a second time would be trivial as the sending node would now already have a list of nodes that are in the destination stream saved. The formulas to calculate a stream's parent and children are simple:

$$\text{Parent of } n = \begin{cases} \left\lfloor \frac{n}{2} \right\rfloor & \text{if } n > 1 \\ \text{null} & \text{if } n \leq 1 \end{cases}$$

$$\text{Children of } n = [n \cdot 2, (n \cdot 2) + 1]$$

5. Broadcasts

License

MIT

Text Viewer for TagSpaces

A TagSpaces extension allowing you to open plain text files

Features

- Opens plain text files

Used libraries

This extension thankfully relays on the following great project(s):

- ...

Installation

This extensions is packaged with any new version of TagSpaces

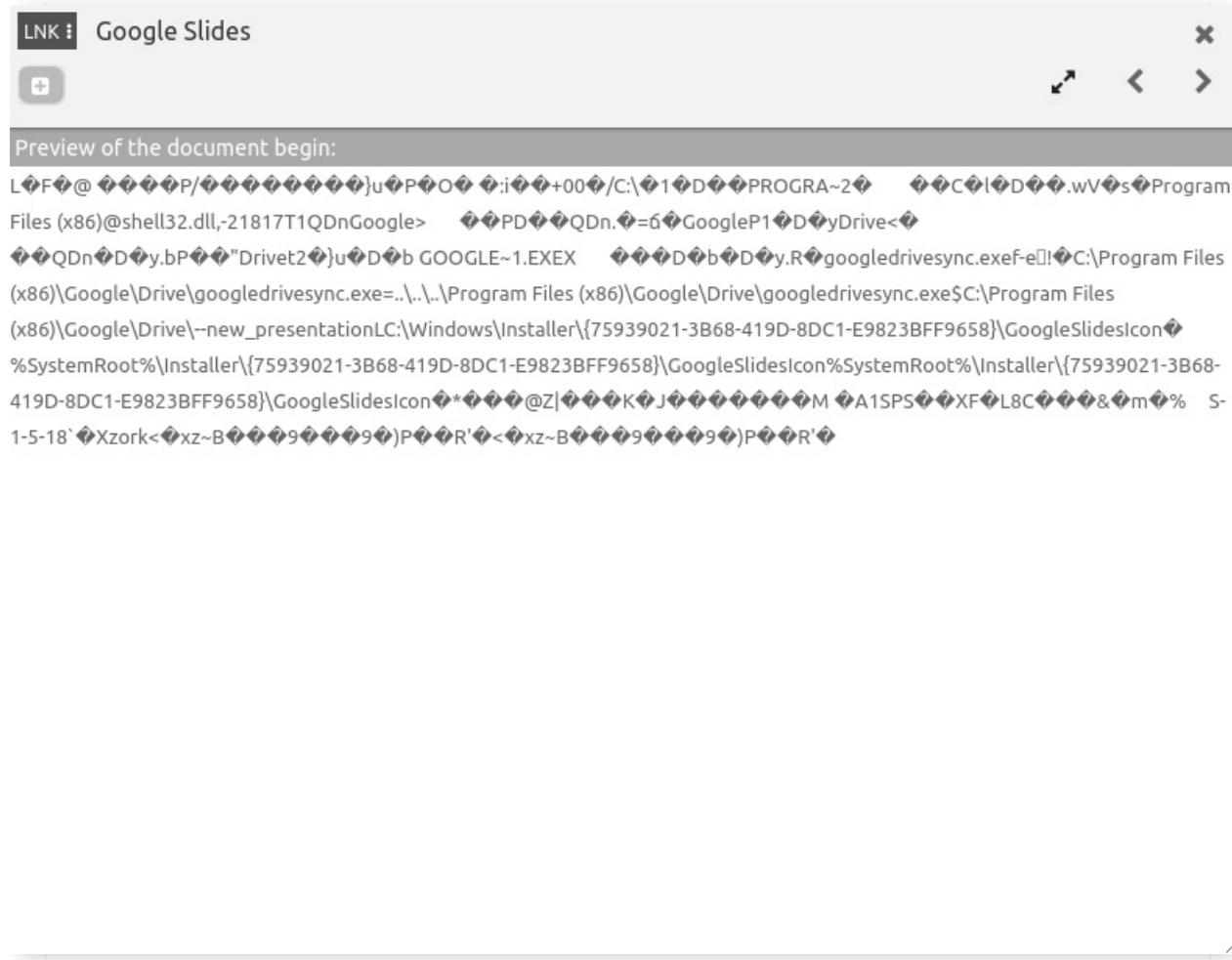
Source code

The source code of this extension is freely available on github.com/tagspaces/viewerText

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

MIT

General Viewer for TagSpaces

A TagSpaces extension allowing to open files in the embedded browser.

Features

- ...

Used libraries

This extension thankfully relays on the following great libraries:

- [viewerBrowser](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on [github.com/tagspaces/viewerBrowser](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



License

[MIT](#)

ZIP Preview for TagSpaces

A TagSpaces extension allowing you to preview the content of ZIP files.

Features

- Listing the content of ZIP files
- Previewing the content of the files in the ZIP container

Used libraries

This extension thankfully relays on the following great project(s):

- [jszip](#)

Installation

This extensions is packaged with any new version of TagSpaces

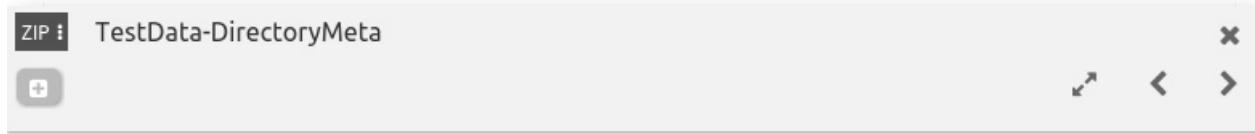
Source code

The source code of this extension is freely available on github.com/tagspaces/viewerZIP

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots



Contents of file /tmp/TestData-DirectoryMeta.zip

[TestData-DirectoryMeta/.ts/034-IMG_29263\[5star 20130809\].jpg.png](#)
[TestData-DirectoryMeta/.ts/034-IMG_29263\[5star 20130809\].jpg.txt](#)
[TestData-DirectoryMeta/.ts/tsm.json](#)
[TestData-DirectoryMeta/034-IMG_29263\[5star 20130809\].jpg](#)
[TestData-DirectoryMeta/20090714 ES Soller/.ts/IMG_1523\[boat sailing tipped\].jpg.png](#)
[TestData-DirectoryMeta/20090714 ES Soller/.ts/IMG_1523\[boat sailing tipped\].jpg.txt](#)
[TestData-DirectoryMeta/20090714 ES Soller/.ts/IMG_1590\[20150627\].jpg.png](#)
[TestData-DirectoryMeta/20090714 ES Soller/.ts/IMG_1590\[20150627\].jpg.txt](#)
[TestData-DirectoryMeta/20090714 ES Soller/.ts/tsm.json](#)
[TestData-DirectoryMeta/20090714 ES Soller/IMG_1523\[boat sailing tipped\].jpg](#)
[TestData-DirectoryMeta/20090714 ES Soller/IMG_1590\[20150627\].jpg](#)
[TestData-DirectoryMeta/201410/.ts/Screenshot \[wired 20140407\].png.png](#)
[TestData-DirectoryMeta/201410/.ts/tsm.json](#)
[TestData-DirectoryMeta/201410/201510/.ts/Screenshot \[wired 20140407\].png.png](#)
[TestData-DirectoryMeta/201410/201510/.ts/tsm.json](#)
[TestData-DirectoryMeta/201410/201510/Screenshot \[wired 20140407\].png](#)
[TestData-DirectoryMeta/201410/Screenshot \[wired 20140407\].png](#)
[TestData-DirectoryMeta/Cafe Wedekind\[201208 restaurant 5star\].pdf](#)
[TestData-DirectoryMeta/\[20141114-223749\].html](#)

License

[MIT](#)

HTML Editor for TagSpaces

A TagSpaces extension allowing editing of HTML documents.

Features

- The standard feature set of the [summernote](#) javascript library
- Content cleaning and sanitizing
- Directly pasting images from the clipboard
- Saving all the images as dataurl in the one HTML file.

Used libraries

This extension thankfully relays on the following great libraries:

- [summernote](#) - a JavaScript library for HTML editing

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on github.com/tagspaces/editorHTML

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

HTML* : Some richt text document ×

20151215-184107 : bird+view []

[] [] [] [] [] []

[] A B I U x^2 x_2 $\frac{a}{b}$ [] Ubuntu []

[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []

addasd **sadsgdfg** dfg dfg
dfasdasd

- asd
- addasd **sadsgdfg** dfg dfg
- fasdasd|
- asd
- addasd **sadsgdfg** dfg dfg

fsdf \$2 sdfsd sfdsffadsf fsd



License

[MIT](#)

JSON Editor for TagSpaces

A TagSpaces extension allowing viewing and editing of JSON documents.

Features

- Open and edit JSON documents graphically

Used libraries

This extension thankfully relays on the following great libraries:

- [jsoneditor](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on [github.com/tagspaces/editorJSON](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

The screenshot shows a JSON editor interface with the title "JSON sample". The main area displays a JSON object with several properties:

```
object {7}
  name : TagSpaces
  description : Offline document organizer and browsadser for your local files, supporting easy file tagging and document editing.
  version : 2.0.5
  main : index.html
  single-instance : false
  window {7}
    icon : assets/icon96w.png
    toolbar : false
    position : center
    min_width : 320
    min_height : 300
    width : 1280
    height : 768
```

The "height" property is currently selected and highlighted in yellow. On the left side, there is a context menu with the following options:

- Type (selected)
- Append
- Insert
 - Auto
 - Array
 - Object
 - String
- Duplicate
- Remove

License

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Text Editor for TagSpaces

A TagSpaces extension allowing editing of text based documents.

Features

- Opening and editing of text documents
- Syntax highlighting for the following file types: h, c, clj, coffee, coldfusion, cpp, cs, css, groovy, haxe, htm, html, java, js, jsm, json, latex, less, ly, lily, lua, markdown, md, mdown", "mdwn, mkd, ml, mli, pl, php, powershell, py, rb, scad, scala, scss, sh, sql, svg, textile, txt, xml

Used libraries

This extension thankfully relays on the following great libraries:

- [codemirror](#)

Installation

This extensions is packaged with any new version of TagSpaces

Source code

The source code of this extension is freely available on [github.com/tagspaces/editorText](#)

Development

If you want to extend this extensions, please follow our general [extension development guide](#)

Screenshots

MD : README

20151215-183949 : birdview :

```

1 ! [tagspaces logo] (https://raw.github.com/tagspaces/tagspaces/master/data/assets/icon96.png)
2
3 ! [tagspaces@travis] (https://travis-ci.org/tagspaces/tagspaces.svg?branch=master) ! [Join the chat at
4 https://gitter.im/tagspaces/tagspaces] (https://badges.gitter.im/Join%20Chat.svg)_
5 (https://gitter.im/tagspaces/tagspaces?utm_source=badge&utm_medium=badge&utm_campaign=pr-
6 badge&utm_content=badge)
7
8 ## Introduction
9
10 'TagSpaces' is a open source application for managing of your local files. You can find more information
11 about it on its website \[tagspaces.org\] (http://tagspaces.org/). For a quick TagSpaces introduction please
12 see this \[video\] (https://www.youtube.com/embed/CJ2hYU6U-C8) on youtube.
13
14 - \[TagSpaces blog\] (http://tagspaces.org/blog/) for any news about tagspaces
15 - \[the issues tracker\] (https://github.com/tagspaces/tagspaces/issues) for developer support requests
16 - \[the TagSpaces wiki\] (https://github.com/tagspaces/tagspaces/wiki) for end-users and implementors
17 (currently not really used)
18
19 ## Repository Directory Structure
20
21 ./data.....see the next lines
22 ./data/assets.....contains all the css and images used in the application
23 ./data/js.....contains the javascript module of the application
24 ./data/libs.....contains external javascript libraries together with the license they are
25 distributed

```

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