

Seafile 2019 & Future Development

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### **Seaflie Overview**

#### Collaboration

✓Collaborative Editing

√File Locking

### **Full Platform**

√Windows, Mac, Linux

√Web, Android, iOS

### **Integration**

√LDAP, Shibboleth, OAuth

√Restful API

# Seafile Cloud Storage

#### Reliable

√Reliable file syncing

√Data integrity check

√Used by millions

# **Usability**

√Drive Client

√Windows Experience

#### **High Performance**

√Sync 10k small files per minute

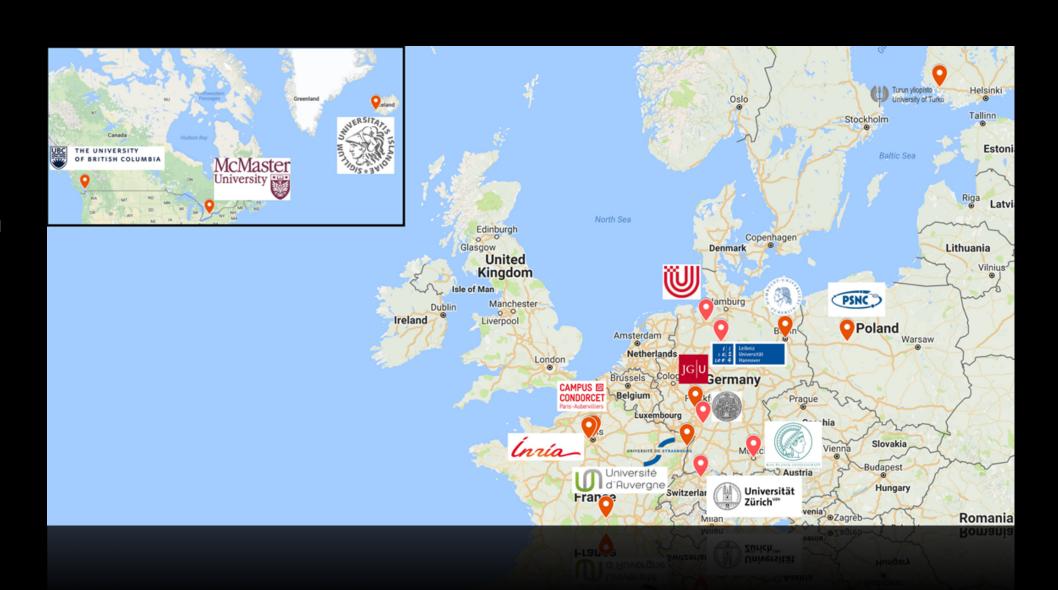
√Low server loads

# Seafile Educational Users

Europe

Canada

China



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Seafile Server

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2019 Development Summary

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Major Releases version 7.0 and 7.1

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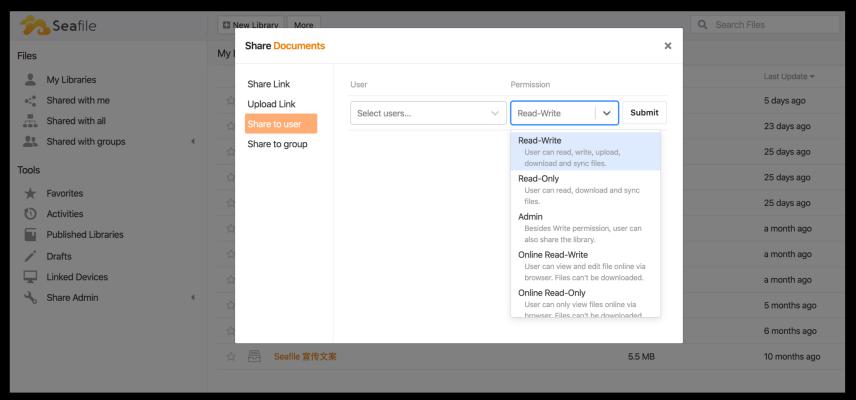
Releases for **Community Edition** 

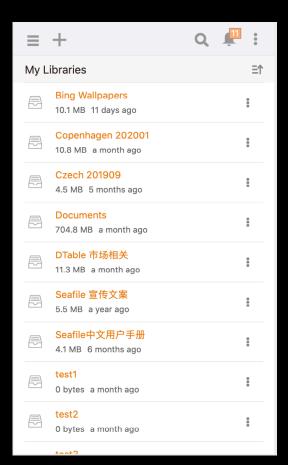
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Releases for **Professional Edition** 

### 7.0 - Redesigned Web UI

- Web UI is rewritten with React framework
- Look & feel of UI components more consistent
- Smooth mobile browser experience



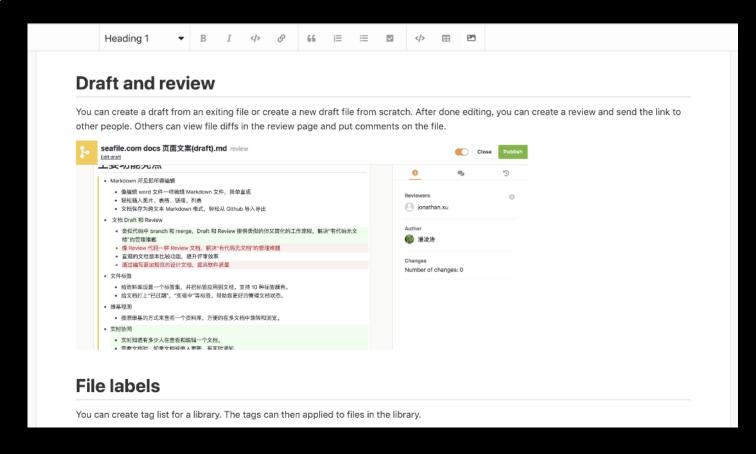




#### 7.0 - Seafile Docs

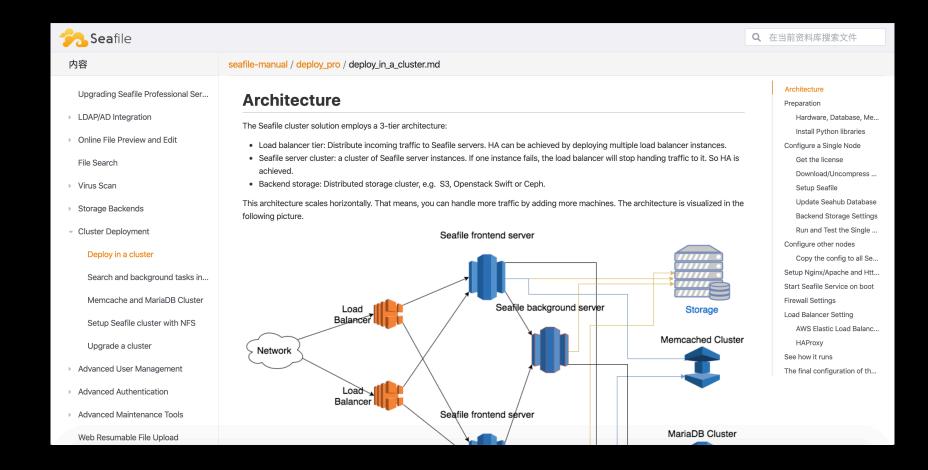
#### **WYSIWYG Markdown Editing**

- It is now part of Seafile main releases
- Save/edit rich text with Markdown syntax
- Edit Markdown text just like in Word
- Table editing, insert image, image
- Files saved in Seafile



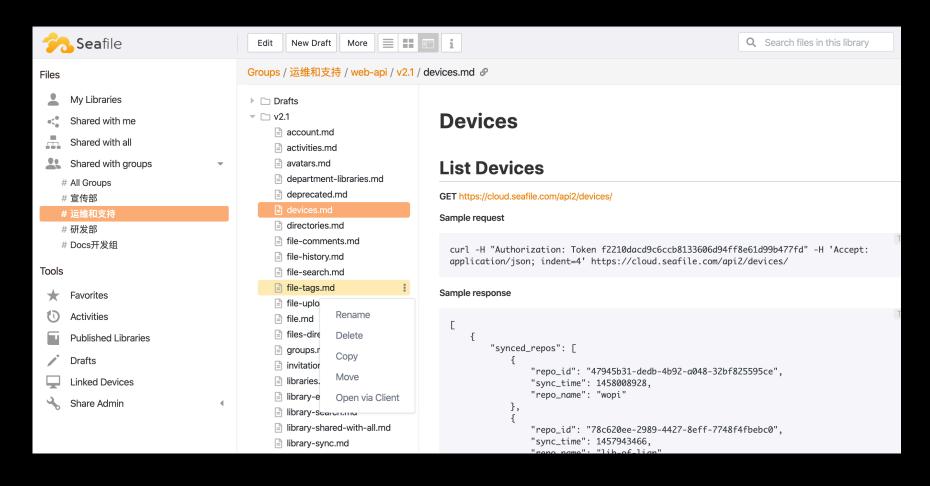
### 7.0 - Published Libraries

- Allow public access to a library
- Perfect for Markdown based documentation



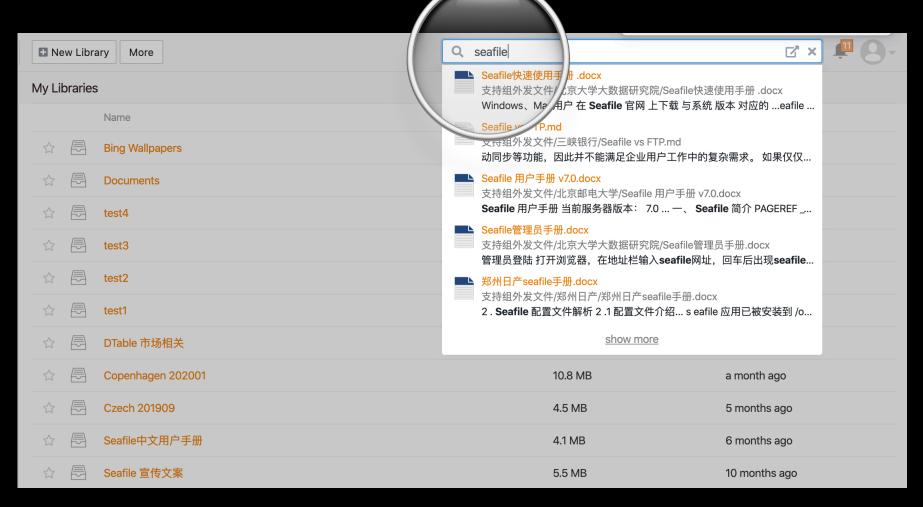
### 7.0 - Column Mode

- Expand folders as tree
- Context menus
- Instant file preview



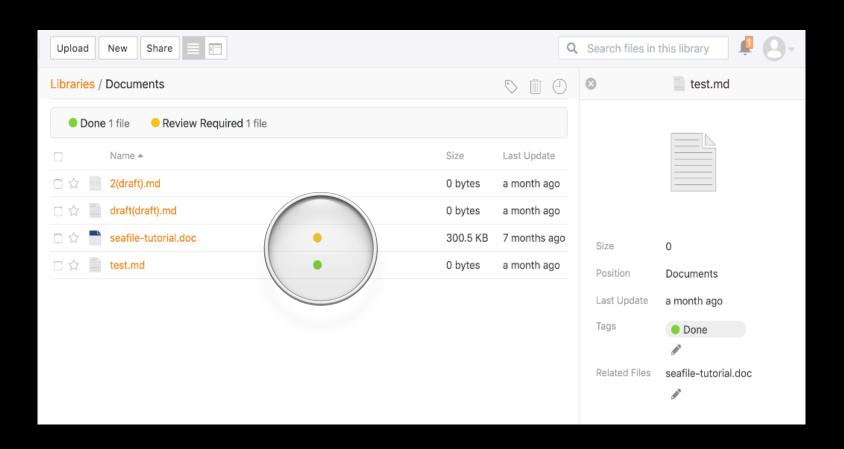
### 7.0 - Real-time Search

Instantly display search results when the user types in keywords

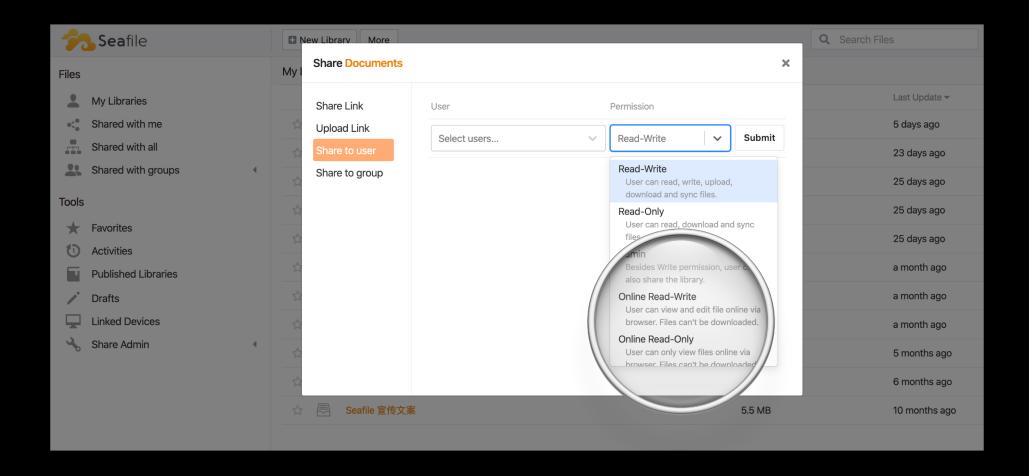


### 7.0 - File Labels

- Create label set for library
- Set labels for files
- Locate files by labels



# 7.0 - Online-only Share Permissions



# 7.1 - Python 3 Support

- ✓ Python 2.x end of life on January 2020
- ✓ Refactor Seafile server components to make code migration easier
- **✓** Modified Seahub, Seaf-server, ccnet-server, seafevents
- ✓ WebDAV server is upgraded too. Better WebDAV support.
- ✓ Released before end of 2019

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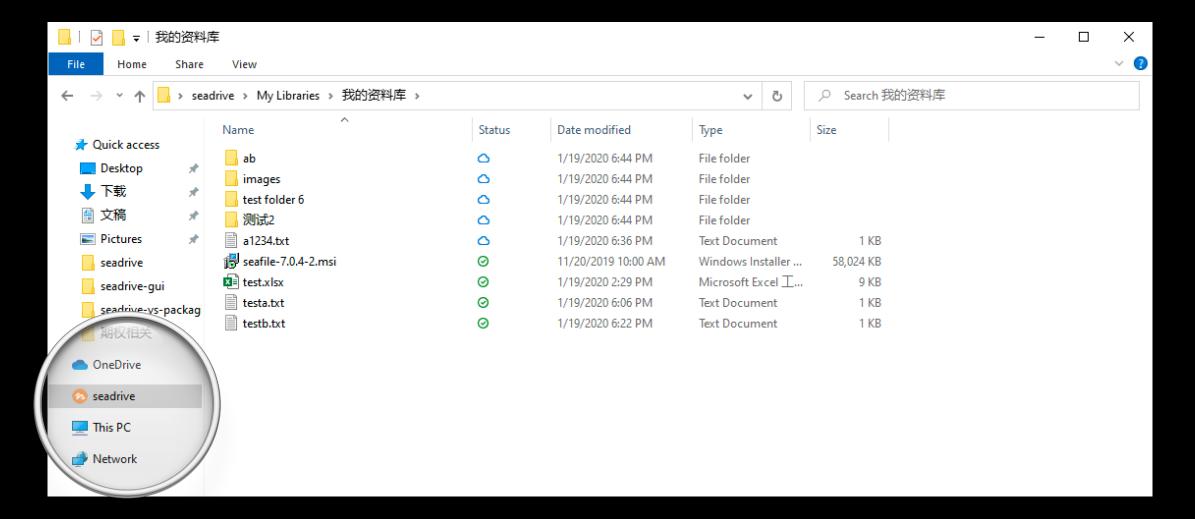
# Improvements to Desktop Clients

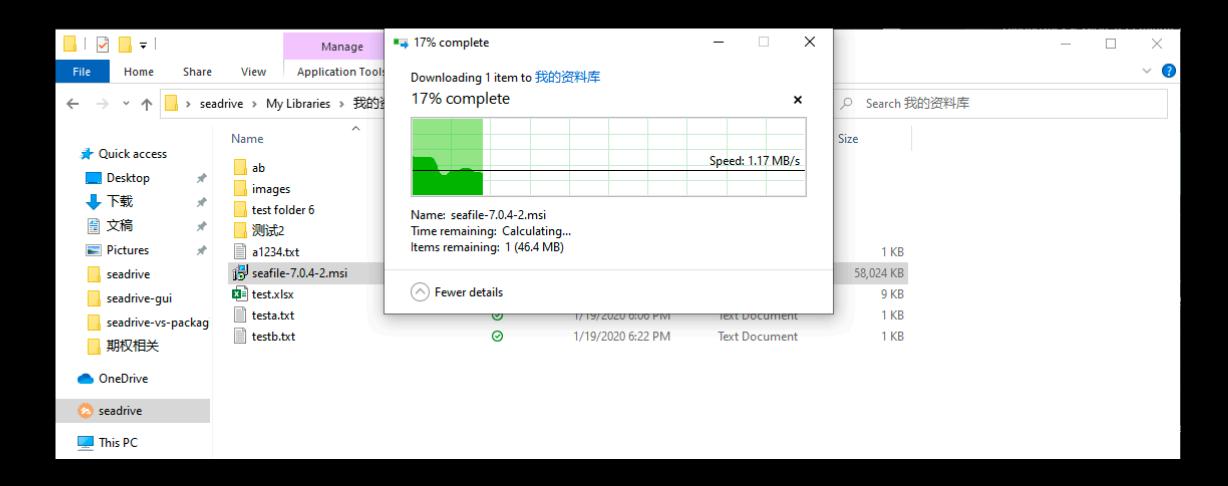
- ✓ More consistent error reporting on sync clients:
   Main window, sync error list, system tray icon.
- ✓ Report sync error for some edge case, like updating a file under a synced read-only library.
- ✓ QuickLook plugin for Mac SeaDrive, to prevent aggressive download of photos
- ✓ Redesign SeaDrive for Windows with native Cloud Files API

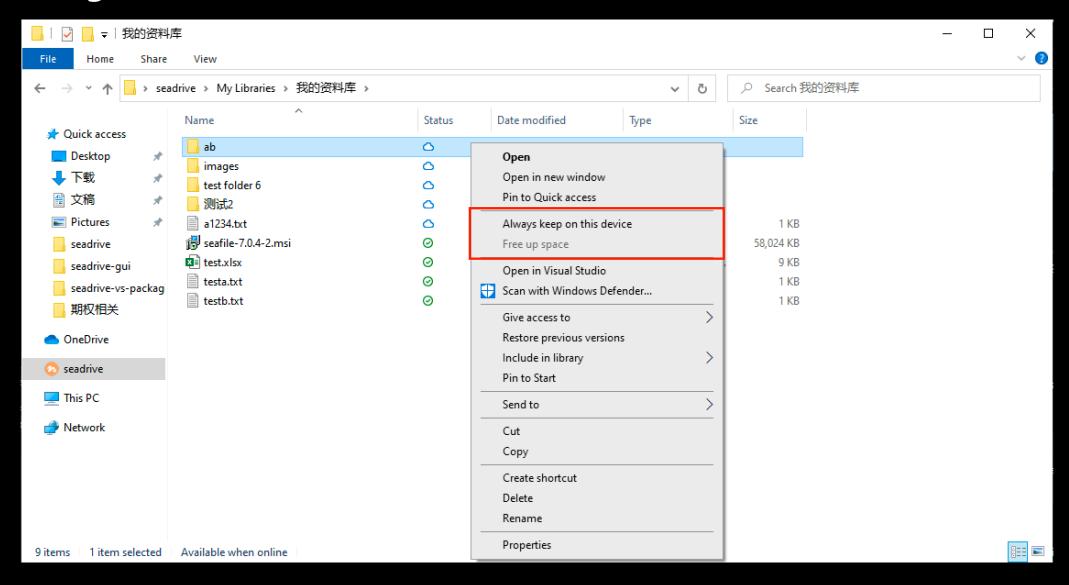
#### **Issues with current Windows SeaDrive**

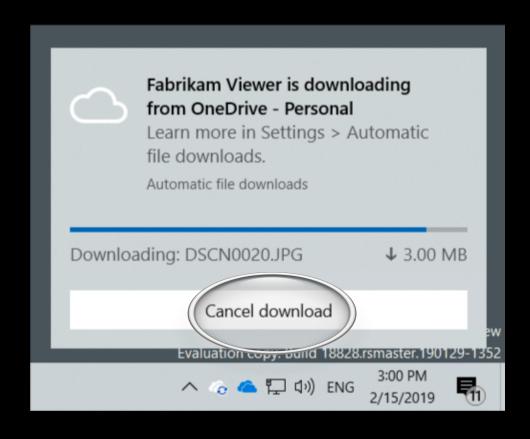
- ✓ Implementing file system API is hard
- ✓ Unexpected download of files, by Explorer, Anti Virus etc.
- ✓ Non-optimal user experience: copying over-sized files into virtual drive
- ✓ Small issues from Dokany driver

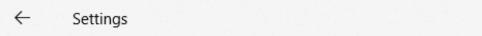
SeaDrive was designed back at 2016. Technology has evolved. Windows now provides native virtual drive API.











#### 

Windows can automatically download online-only files from your online storage provider (such as OneDrive) for apps that request them.

If you block any of those apps from requesting automatic file downloads, you can unblock them here.

Allow

- ✓ Look & feel almost identical to current SeaDrive.
- ✓ Files are placeholders in NTFS. Better compatibility.
- ✓ No more unexpected file downloads. User has control.
- ✓ Deep integration into File Explorer.
- ✓ User gets standard system error message when copying oversized files into the virtual drive.
- ✓ First beta expected to release in Q1 2020.

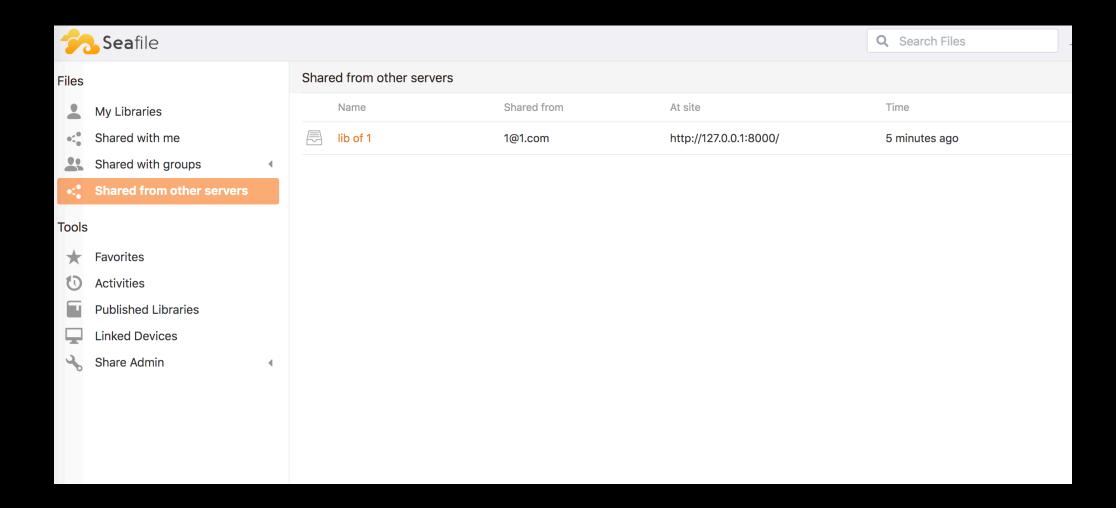
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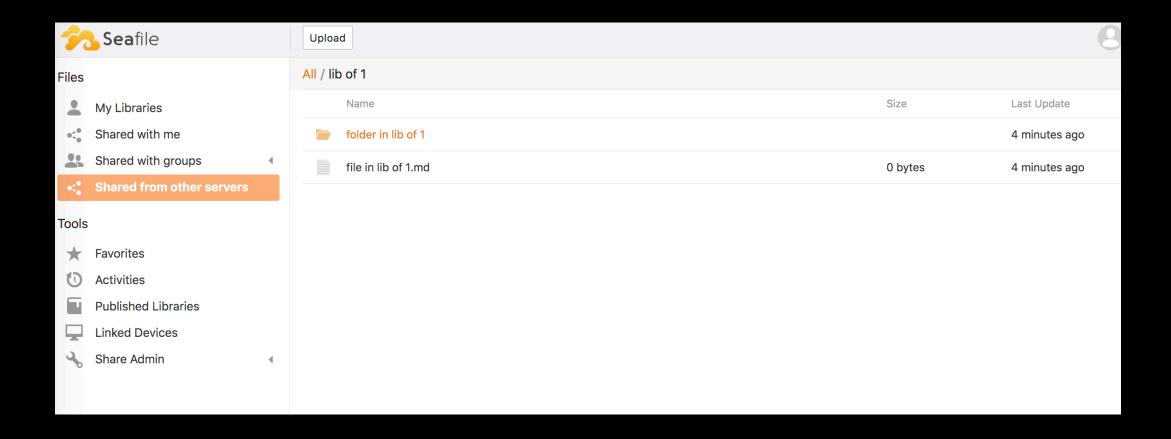
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Seafile Server Seafile Clients Future Roadmap

- ✓ 2020/08 use OCM protocol to share/access files between Seafile servers (8.0 version)
- ✓ OCM share with other cloud solutions will be developed in 2020 and released in early 2021







# Seafile OCM Compatibility

- ✓ Cannot support syncing across Seafile, ownCloud/NextCloud servers. Web access is supported.
- ✓ A Seafile protocol type is added to support Seafile-to-Seafile sharing. WebDAV is also provided for communicating with ownCloud/NextCloud.
- ✓ Two new parameters in seafile protocol: repo ID and repo API token

### SeaDrive Client 2.0

- ✓ Q2 2020 Use Cloud Files API to implement virtual drive on Windows
- ✓ Q2 2020 Support encrypted library





www.seafile.com