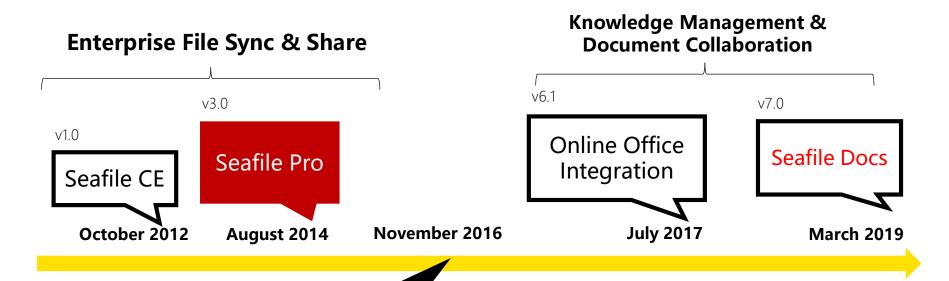


Seafile Cloud Storage



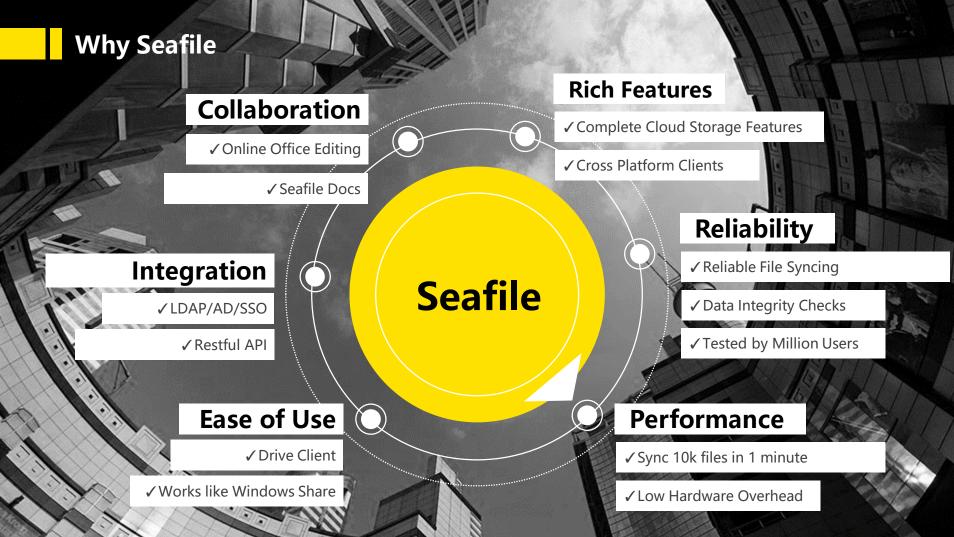


Evolution of Seafile



New Web UI, SeaDrive

Next Generation File Syncing



Active User Community







High Speed File Syncing Across All OS

File Syncing Clients

Virtual Drive Client

File Sharing

Online Collaboration

More Features









Selective Sync FoldersChoose the library or folder you want to sync



Cloud File Browser
Access files without syncing them



High Speed File SyncingSync 10k files in a minute
Transfer files in wire-speed

Support Windows, macOS, Linux









Virtual Drive Client

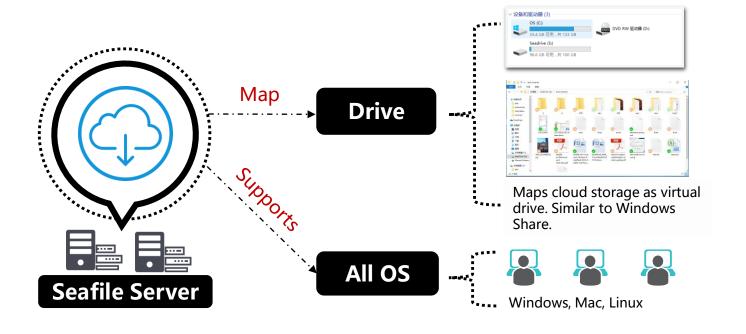
File Syncing Clients

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Windows-like User Experience

File Syncing Clients

Virtual Drive Client

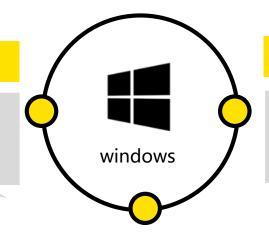
File Sharing

Online Collaboration

More Features

Offline Cache

Cache files for offline access at any time



Easy to Use

- Just works like Windows Share. No learning curves.
- Only download files ondemand

Next Generation File Syncing

- Dropbox Smart Sync
- Google Drive File Stream
- OneDrive Files On-Demand



Virtual Drive Client

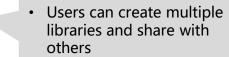
File Sharing

Online Collaboration

More Features

File Sharing with Organization in Mind

- Users can create groups and share folders to groups, with fine-grained permissions
- System admin can publish public folders



Fine grained permissions can be set

Group & Public Share

Department Libraries

- Create or import organization hierarchy from AD.
- Create department-owned libraries and set department quota
- Share folders across departments

Personal

Shares



External Collaboration

File Syncing Clients

Virtual Drive Client

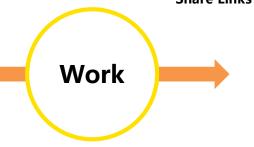
File Sharing

Online Collaboration

More Features



- Share files or folders with external collaborators
- Set password and expiration
- Access permissions: Preview, Download, Edit
- · Collaborators may edit files online





Guests

- Guest users can login and collaborate, with limited permissions.
- System admin can determine who can invite guest users



Upload Links

- Create upload links for folders, to collect files
- Users can only upload but not look into the folder



Seafile Docs – Overview

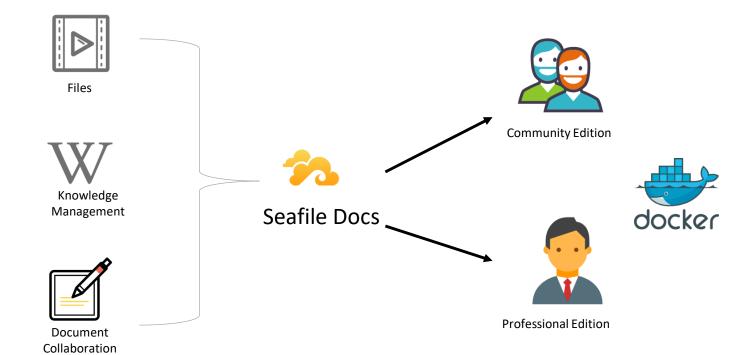
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More Features





Virtual Drive Client

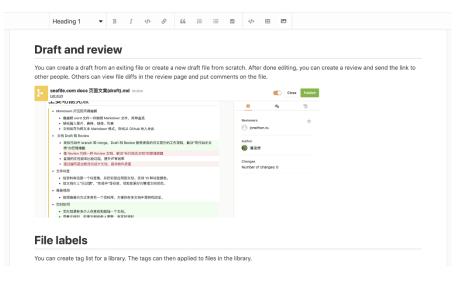
File Sharing

Online Collaboration

More Features



Seafile Docs – Knowledge Management



WYSIWYG Markdown Editing

- ✓ Save/edit rich text with Markdown syntax
- ✓ Edit Markdown text just like in Word
- ✓ Table editing, insert image, image resizing, linking to documents by drag-n-drop

Wiki Mode

- √ Use a library like a wiki project
- Contents saved as Markdown documents instead of wiki pages
- ✓ Easily manage all file types together with wiki documents

File Labels and Metadata

- ✓ Create label set for a library
- ✓ Set labels for files
- ✓ Locate files by labels
- ✓ Mark related files for a file

Virtual Drive Client

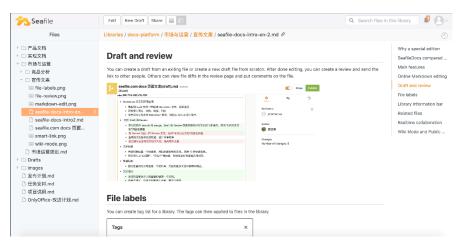
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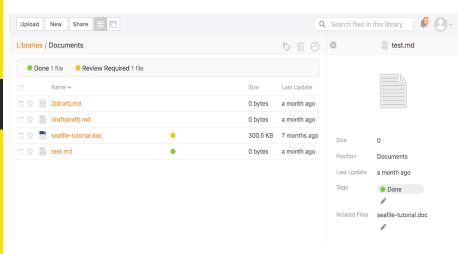
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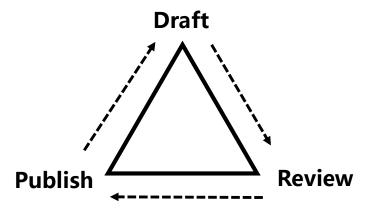
File Sharing

Online Collaboration

More Features



Seafile Docs – Document Collaboration



Seafile Docs allows you to review **documents**Just like reviewing **code** on Github



Create Draft, Ask for Review

Create a draft to edit a new version of a document. You can create a review request based on a draft.



Review and Publish

Changes between document versions are highlighted. Reviewer can easily comment on each change.



Real-time Collaboration

You can see who is also opening the document. Changes by others will be notified in real-time.

Office Document Collaboration

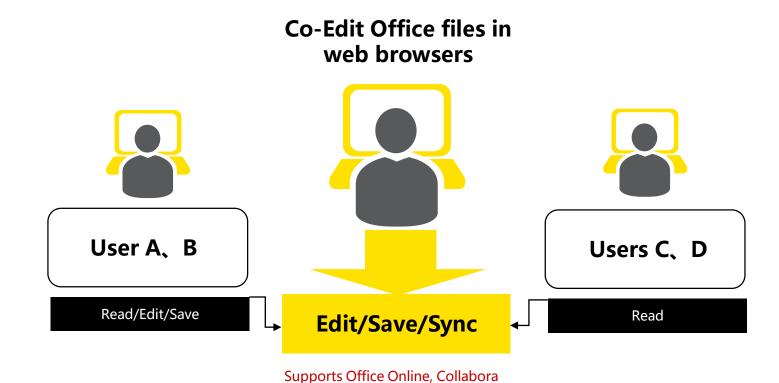
File Syncing Clients

Virtual Drive Client

File Sharing

Online Collaboration

More Features



Online and OnlyOffice

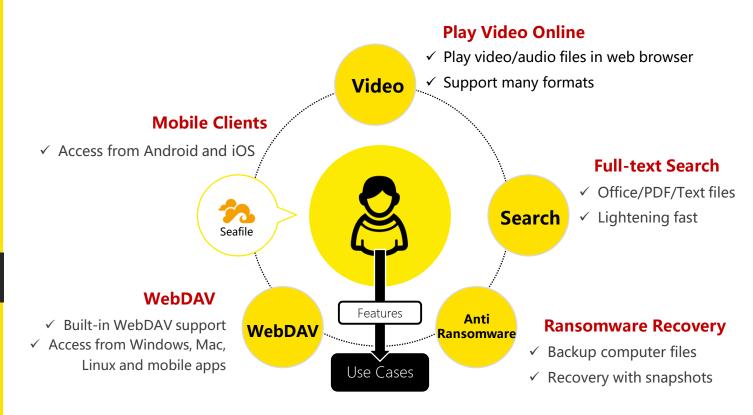


Virtual Drive Client

File Sharing

Online Collaboration

More Features







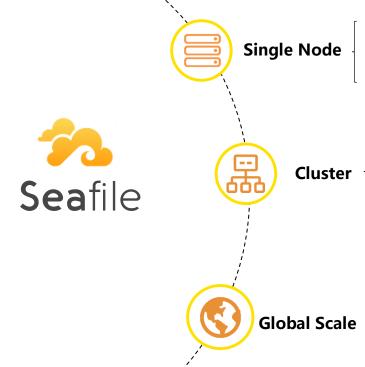
Flexible Deployment Architectures

Architecture

Performance

Integration

Security



- · Most easy to deploy and maintain
- A single virtual machine minimal
- 4-core, 8GB memory VM to support 2k users
- · Best fit for small organizations
- Highly available, scale-out architecture
- Scale to any number of users
- MariaDB cluster for DB, compatible with NFS, S3, Ceph, Swift as storage
- Best for organizations with HA requirements and high number of users
 - For global multi-site deployment
 - Data replication with MariaDB cluster and Ceph/Swift storage
 - Scales well thanks to Seafile's low database overhead



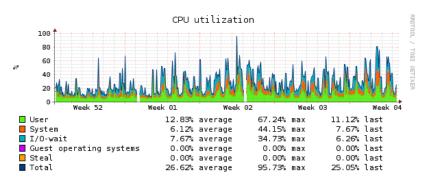
Architecture

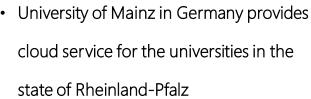
Performance

Integration

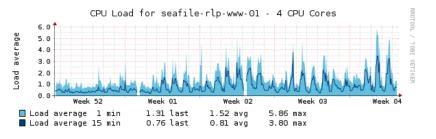
Security

Case Study – Cloud for Rheinland-pfalz





- 21238 registered users, 1.8k DAU
- 40071 libraries, 28269774 files, 40TB
- Only used 4 VMs with 4-core, 8GB memory. DB also on the nodes. Average CPU load is about 20% avg.





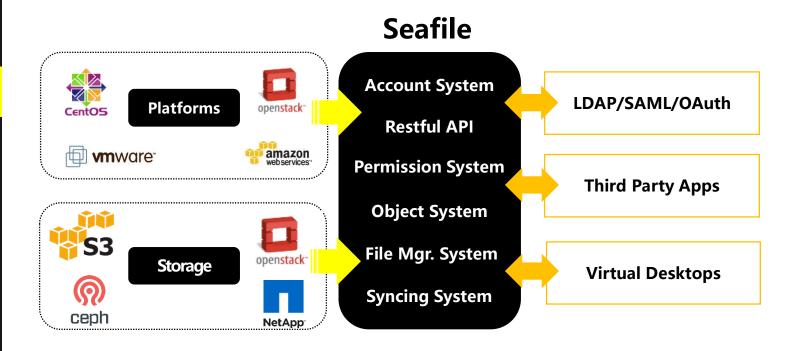
Platform and Protocol Integrations

Architecture

Performance

Integration

Security





Security Mechanism

Architecture

Performance

Integration

Security

- Encrypted libraries: end-toend data encryption
- Library Snapshots
- Remote Wipe for clients
- Data backup and recovery

Account Security

- Strong password enforcement
- Tow-factor authentication
- Brute-force guess prevention
- Connected device management

Data Safety



- Audit logs for login and file access
- Share link management
- RBAC rules, user roles
- System statistics and monitoring





Education

Enterprise

Trusted by 20+ European Educational Institutions







Chinese Universities

Education

Enterprise





Use Case

Top universities in China, such as Tsinghua University, Peking University and Nanking University, use cloud storage for both daily file managements and scientific research data (such as HPC in Physics).

Key Values

- 1. Provide file hosting for all students and staffs in the universities
- 2. Linux clients are widely used in HPC cluster, to sync data and experienment results. Replaces FTP based solution.
- 3. High speed file syncing and handling of large number and size of files is the key to this solution. Sync 10k files per minute; sync 1TB sized files.

Solution

- 1. Seafile clusters with Ceph as storage backend
- 2. Integrate with multiple LDAP servers, one for personal accounts and one for HPC machine account.



Education

Enterprise

Kaspersky





As one of the world leaders in cyber security, Kaspersky wants to provide unified cloud storage service for employees across 3 continents.



Key Values

- 1. Raise productivity for 3000 employees for the last 4 years
- 2. Centralized file management for the entire company, increasing security
- 3. Integrates Seafile with other systems

KASPERSKY



Solution

- 1. Global deployment in 4 data centers
- 2. Data replication with MariaDB cluster and OpenStack Swift distributed storage
- 3. Works well thanks to Seafile's low database overhead



Education

Enterprise

Alibaba Group





Use Case

As one of world leading E-commerce and cloud computing company, Alibaba group needs a cloud storage service for its 80,000 employees world wide. Ease of use and scalability are must.

Key Values

- 1. Services more than 10,000 daily active users, from China and world wide. Approaching 1PB of data.
- 2. Online office file editing greatly increase productivity
- 3. Synced large volume of existing files from NAS to Seafile
- 4. Use fine-grained share permissions to protect sensitive files

Solution

- 1. Run on Alibaba Cloud docker platform, with 12 docker instances
- 2. Use database, Memcached and object storage from Alibaba Cloud
- 3. MS Office Online Server for online office collaboration





