



Seafire - great but vendor lock-in?

Evaluating Seafire
openness in practice



Context

- Who uses sync&share?
- Academic point of view
- Companies / SMEs





The decision was made with awareness that...

- vendor lock-in risk
- difficulties while opting-out the paid version
- 'obscurity' of the code
- complicated integration with R&D systems and applications



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PSNC decided to use Seafile:

- 2015 Community
- 2016 Pro





First and foremost

We must make sure our data are portable
among Seafile and other systems





Data migration among Seafile(s)

box.psnk.pl - LDAP user base

Box.pionier.net.pl - PIONIER.Id (Polish Identity Federation)

People have accounts in both systems

Consolidation of user base, datasets and shares is required.





Data migration

- Migrating user's data (organised in 'libraries')
- Integrating user information
- Seafile provides basic tools for exporting (seaf-fsck.sh)

=> We developed and tested a more advanced data migration tool





Data migration tool - Export



- Data - store
 - ./seafile-data/storage/blocks/{UUID}
 - ./seafile-data/storage/commits/{UUID}
 - ./seafile-data/storage/fs/{UUID}

- Database
 - seafile-db (library and owner info)
 - Branch, Repo, RepoFileCount, RepoHead, RepoOwner i
RepoSize
 - seahub-db (share links, upload links)
 - share_fileshare, share_uploadlinkshare



Data migration tool - Import

- Data - store
 - `./seafile-data/storage/blocks/{UUID}`
 - `./seafile-data/storage/commits/{UUID}`
 - `./seafile-data/storage/fs/{UUID}`

- Database
 - seafile-db
 - seahub-db





Data migration tool - current status

Status:

- tested on production instances
- work still in progress





Data migration process - Conclusions

- Seafile open enough
- low risk of data lock-in
- still need to improve meta-data export
- solution seem to be portable among Seafile versions
- More sustainable / elegant solution is needed (Seafile's Web API?)





Thank you!

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