

Moose FS

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Verteilte Dateisysteme

Viele bekannte Namen

- ▶ Ceph
- ▶ Lustre
- ▶ Glusterfs
- ▶ ...



Plattformen

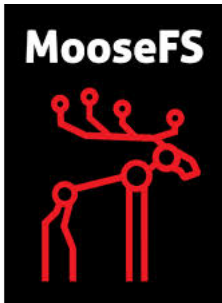
Clients (aka mfsmount): Alle mit funktionierender FUSE Implementierung

- ▶ Linux (ab Version 2.6.14)
- ▶ FreeBSD
- ▶ OpenSolaris
- ▶ MacOS X

Nur Server, Metalogger und Chunkserver

- ▶ Solaris
- ▶ Windows mit Cygwin

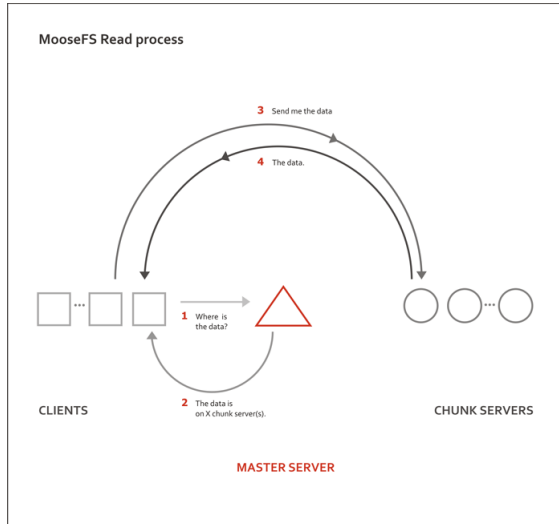
Eher unbekannt: Moosefs



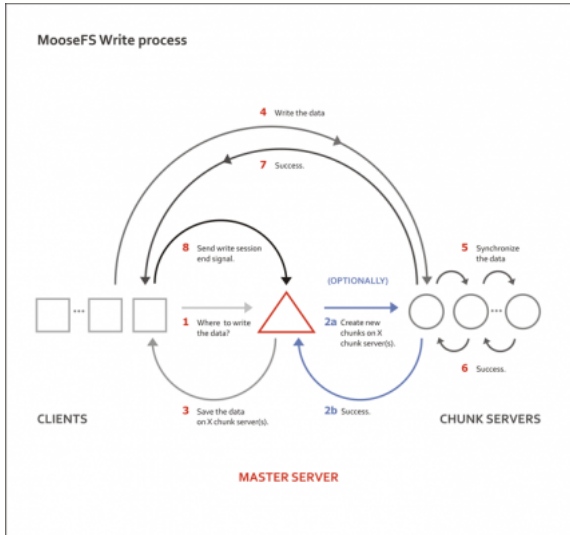
Standard Features

- ▶ Hierarchisch (Baumstruktur)
- ▶ POSIX Datei Attribute:
 - ▶ POSIX Rechte
 - ▶ Last Access Time
 - ▶ Modification Time
- ▶ Spezialdateien
 - ▶ Pipes
 - ▶ Sockets
 - ▶ Blockdevices
- ▶ Symbolische und Hardlinks

Lesen



Schreiben



Definition

- ▶ Unstructured data refers to any data that has no identifiable structure.

But there is always a structure!

Yes, but..

- ▶ Each document itself may have a structure (e.g. HTML)
 - ▶ But: Structure can be not helpful for the processing task
- In HTML: Tags just for layout, not semantics

Examples

Word processing documents

PDF files

E-mail messages

Blogs and Web pages

Video/Audio

...

Challenges

Most of today's data is unstructured (80%)

Challenges

- ▶ Access to textual data (different file formats)
- ▶ Language of the data
- ▶ Volume (See Big Data presentation)
- ▶ Security of the data
- ▶ Searchability (the content has to be understood)

Current approaches

- ▶ Manual tagging
- ▶ Datamining/Text analytics
- ▶ Document management systems (e.g. Products from SAS, Provalis Research, Inxight, SPSS)

Questions?

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