Seafile™

Seafile cluster

node 1
4 cores, 32GB, 1 SATA *
- OS
- seafile software
- memcached

memcached

seafile DB server
MySQL
- syncing
- sharing
- permissions
- users/groups

node 2
4 cores, 32GB, 1 SATA
- OS
- seafile software
- memcached

memcached

seafile DB server
MySQL
- syncing
- sharing
- permissions
- users/groups

background tasks and search server
- OS
- elasticsearch   elastic
- email notifications
- office documents converts service

web,
native clients,
mobile clients,
cli

loadbalancer

HA PROXY

institutional admins

KEEPER

keeper seafile extension
- keeper branding *
- custom WEB interfaces
- custom keeper properties
- localization
- mantenance scripts
- keeper deployment script

keeper backup
- cron based *
- asynchronous
- GPFS snapshots
- integrity checking
- backup of Object Storage
- backup of DB dumps
- backup of Avatars Storage

keeper catalog
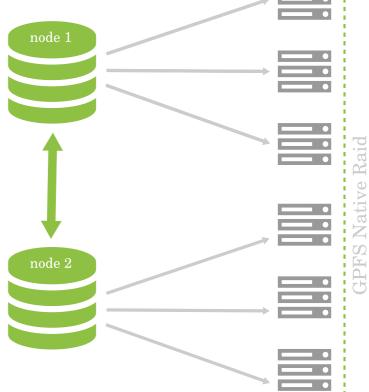- based on extended *
  REST API
- separate WEB application
- same CSS

* resides in node 1 of seafile cluster

IBM Spectrum Scale

IBM Tivoli software

Tivoli TSM storage

IBM GPFS

node 1

node 2

posix

storage backend

GPFS Native Raid