Seafile™

Seafile cluster

node 1
4 cores, 32GB, disks *
• OS
• seafile software
• memcached
• RDBMS

memcached

NGINX
web-server

seafile DB server
MariaDB
• syncing
• sharing
• permissions
• users/groups

node 2
4 cores, 32GB, disks
• OS
• seafile software
• memcached

node 3
4 cores, 32GB, disks
• OS
• seafile software
• memcached

background tasks and search server
• OS
• elasticsearch   elastic
• email notifications
• office documents converts service
• virus scan (clamav)

loadbalancer

HA PROXY

web,
native clients,
mobile clients,
cli

Seafile Real-time Backup Server

2 cores, 16GB, disks
• OS
• seafile software
• memcached
• RDBMS

seafile DB server
MariaDB
• syncing
• sharing
• permissions
• users/groups

NGINX
web-server

memcached

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
• Object Storage backup
• DB dumps backup
• Avatars Storage backup
• Application Server backup

posix

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

KEEPER
REAL-TIME BACKUP

posix

* resides in node 1 of seafile cluster,
will be cloned in nodes 2 and 3

IBM Spectrum Scale

IBM Tivoli software

Tivoli TSM storage

IBM
GPFS

copy 1

storage backend

copy 2

Netapp RAID6

Separate backup File System

NFS?