









Development process consideration

- During implementation GDSDS the project working repository is strongly required (any update or/and installation must be done only with this working repository).
- · Update/upgrade the working repository is separate specific activity.
- Several existing SDS systems might be considered as backend: SMFT,
- CEPH, EOS, commercial instances as well. · CEPH is under testing now as backend for the proposal.
 - Tech implementation with docker (under intensive testing now).
- Yes, we are looking for support.

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References

•Jakob Blomer // Survey of distributed file system technology // ACAT 2014, Prague (in references) Also iopscience.iop.org/article/10.1088/1742-6596/664/4/042004/pdf •Why so Sirius? Ceph backed storage at the RAL Tier-1.

https://indico.cem.ch/event/466991/contributions/2136880/contribution.pdf

Analysis of Six Distributed File Systems – HAL-Inria -

- https://hal.inria.fr/hal-00789086/file/a_survey_of_dfs.pdf
- https://en.wikipedia.org/wiki/Comparison_of_distributed_file_systems
- XtreemFS is a fault-tolerant distributed file system for all storage needs http://www.xtreemfs.org/

 Software Defined Storage LizardFS is a distributed, scalable, fault-tolerant and highly available file system - https://lizardfs.com/about-lizardfs/

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