bwLSDF - distributed storage management Enhancements of the Large Scale Data Facility towards statewide storage usage within Baden-Württemberg

Description of the work

bwLSDF

Wider impact of this work

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Printable Summary

The bwLSDF research project investigates the advantages and drawbacks of centralized & distributed storage systems and identify the potentials and risks of federal storage usage within the state of Baden-Württemberg. Therefore, we analyze common NAS and SAN technologies regarding their limits of utility and usability in wide area networks. Besides these traditional concepts, we look into new approaches for more flexible storage access and address the emerging challenges of statewide identity management.

As a first step, we are going to introduce the bwSync&Share service, which is planned to be a privacy-aware alternative to the well-known dropbox service. Later on, we intend to focus a more general solution which is based on upcoming cloud storage paradigms including REST and CDMI.

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Track Classification: Virtual Research Environments (Gergely Sipos: track leader)