

Tiered Storage

Group:

Potential Service Proposition

Background

Based on demand from Data Centre – North, and potential demand from Data Centre – South, a proposed service to provide a simple managed tiered storage solution across relevant storage providers utilising the Janet network and existing cloud storage partnerships.

Overview

The Tiered Storage Service would offer a single point of access to storage across multiple providers. A Hierarchical Storage Manager (HSM) would automatically move copies of data between different storage providers depending on criteria specified by the customer. Three types of storage would be available:

| | |
|---------------------------------------|--|
| Distributed Storage Pool | Levering the Janet network to offer onsite or near onsite performance for access and retrieval. |
| Cloud Storage Provider Pool | Managing data copies across multiple cloud providers for medium term for medium term archival or when slower access and retrieval times acceptable. |
| Archival Storage Provider Pool | Managing data copies across multiple archive storage providers which providers long term\permanent storage with recovery guarantees and where access and recovery times are not crucial considerations |

Status

If you are interested in the service, please join this group, where updates on progress will be posted.

Jisc is convening a small working group to develop initial requirements and service definition. If you are interesting in joining the working group please contact Matthew Dovey (matthew.dovey@jisc.ac.uk ^[1]; tel 0203 006 6016).

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Links

[1] <mailto:matthew.dovey@jisc.ac.uk>

[2] <https://community-stg.jisc.ac.uk/>