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dCache: new and exciting features

Thursday 6 October 2016 12:00 (20 minutes)

The dCache project develops and supports software for storing large volumes of scientific data in a POSIX namespace, optionally storing some of the data on tape, with scalable performance and support for many protocols. This talk will focus on recent improvements that are already available or are anticipated for the next major release.

We are introducing a new token-based authorisation scheme that will allow easy sharing of data and external user management. The interface for managing the quality of service users expect for their files is being improved, along with a new web interface for managing data. This provides users with an enriched view of their data. Under the hood, core services are being updated so they can be scaled horizontally and are no longer a single-point-of-failure. We are also adding support within dCache for using clustered storage, initially targeting CEPH, a popular object store.

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