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dCache - active storage for science and cloud

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Over five years storage team at DESY provides a reliable data-cloud service. While service is still officially in a pilot phase, it's has the same support and priority level as any other production services provided by the IT group. Our choice of technology used to provide data-cloud service is nextCloud, as user facing front-end, and dCache, as back-end storage system.

The latest developments in dCache have added storage events - an ability to turn passive storage system into an active part of data coordination and processing workflow. In this presentation we will share our setup, lessons learned and integration of dCache with other services to provide fault tolerant and reliable service to end-users.

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