



Welcome to Zeuthen, to the 6th dCache workshop.

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Zeuthen, April 18, 2012



Reasons for coming to the workshop

- The presentations (of course), but
 - Most people registered before the agenda was out.
 - So all of you understand the main reason for such a workshop, which are:
- Meet the dCache team.
 - They are all (-1) here.
- Talk to each other.
 - Especially new sites should get in contact with established sites.
 - Representatives of all Tier I's and most of the Tier II's are present.
 - Talk to me or someone from the team, if you would like to get in touch with experience dCache sys-admins.

Funding/ People



- dCache FERMI lab provided a new collaborator: AI (in addition to Dmitry)
- Gerd (NDGF) is back after a 3 month break.
 - Seems he missed the late hours and the weekend work.
- DESY: Team is rather stable for the upcoming years.
 - New large German project (LSDMA) will replace EMI funding after EMI ends May 2013.



- Why collaborations
 - Puts dCache on a more stable ground, with obvious advantages for our users.
 - Sustainability based on critical mass.
- dCache historically is based on collaborations. DESY, Fermilab and later NDGF.

Collaborations

- German support
 - German dCache sites, mutual support
 - Organization of dCache workshop's
 - dCache tutorials during GridKa schools (and yesterday)
- EMI
 - dCache is one of the 4 EMI middlewares.
 - 2 FTE's for dCache
 - Closer contact with CERN data management.
 - Gets us in contact with Industry
 - Advertisement and PR for free.
 - Allows us to have a dCache member in the WLCG TEG.
 - dCache will become part of the new Science Soft Initiative.

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- dCache will become part of the new Science Soft Initiative.
- Consequence : real open source license, AGPL

- CERN Data management
 - As dCache covers 50% and DPM about 35% of the WLCG storage, we have common goals, e.g.
 - providing standard interfaces to storage (NFS 4.1 and http/WebDAV). This goal only makes sense if available for the majority of Storage Elements.
 - Guarantee interoperability
- HTW Berlin (University)
 - Hermann (Prof.) and Daniel (Student)
 - Daniel went to CERN for some weeks (as dCache) and worked with CERN DM on a HTTP federation.
 - Small presentation later today.

- HTTP federation (See Daniels presentation)
- 3 Tier storage (Better usage of SSD tech)
 - Report by Dmitry O. at CHEP
- Support of ‘cluster file systems’. (GPFS, HAPOOP). Big change in ‘pool’ concept. Tigran not yet convinced.
- Cloud storage. Starting with WebDAV, looking into CDMI (Still)

Agenda



- gPlazma because we want you to migrate to gPlamza2 soon.
- NFS 4.1/ pNFS because we want you provide your customers with a mountable file system a.s.a.p.
- Operations support
 - File systems and postgres
- But as well:
 - Contributions from sites and organizations
 - And for the first time: dCache Master Class



Thanks to all the speakers and the local
Zeuthen organizers

Enjoy