

dCache Thoughts

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dCache Coordination

- dCache is an important part of site infrastructure
 - Dealing with dCache bugs and upgrades is a regular feature of site maintenance
- Coordination with the dCache team is important
 - Currently this happens ad hoc
 - Perhaps this could be done more formally, closer to the way things work with OSG
 - US ATLAS would greatly benefit from have a dCache developer working as part of our group
- Possibility for centralized monitoring
 - Useful to share monitoring improvements between sites?
 - In some cases it might be possible to avoid duplication of infrastructure

dCache Monitoring at NET2

- Two complementary approaches
 - Performance monitoring using DCache's built-in system for exporting billing events using Kafka
 - Load monitoring by scraping the frontend API
- Events are ingested into Opensearch using Logstash
 - Plotting and alerting with Grafana
- Billing tracks successful and failed transfers
 - Separately for tape and disk
 - Alert on high failure rate
- Frontend tracks number of movers by pool
 - Separately by readers and writers
 - Alert if # goes over pool max

Full Dashboard

