

Visualization of dCache billing files with modern BigData tools.

Tuesday, March 15, 2016 4:00 PM (30 minutes)

Running a data center is never a trivial job. In addition to daily routine tasks, service provider teams have to provide a meaningful information to upper management, end users and operators. The dCache production instances at DESY, produce gigabytes of billing files per day. Crunching the millions of numbers into a useful and handy information is unpleasant and boring task. Nevertheless, we can analyse and visualize this huge amount of log information with a modern BigData processing tools.

This presentation will show how we built a real-time monitoring system which visualizes dCache billing files and provides intuitive, simple to use web interface using Elasticsearch, Logstash and Kibana.

Primary author: Mr MKRTCHYAN, Tigran (DESY)

Co-authors: Dr LEWENDEL, Birgit (DESY); Ms YAKOVLEVA, Lusine (DESY); Dr FUHRMANN, Patrick (DESY/dCache.org)

Presenter: Mr MKRTCHYAN, Tigran (DESY)

Session Classification: Data Management Session II

Track Classification: Data Management