

Performance and Power Optimization

Technical Forum

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informatik
die zukunft

Technical Forum

- DSIT WP5: Performance and Power Optimization
- Talks from inside and outside of LSDMA
 - Technical talks about performance optimization
 - Mainly focused on storage and file systems
- We encourage discussions
 - 5 minutes after every talk
 - Dedicated discussion slot at the end

Agenda

- 10:00–10:10: Welcome
- 10:10–10:30: Evaluating Lustre's Metadata Server on a Multi-socket Platform (Konstantinos Chasapis, Universität Hamburg)
- 10:30–10:50: Enhanced Adaptive Compression in Lustre (Michael Kuhn, Universität Hamburg)
- 10:50–11:10: Power Profiling (Reza Heidari, Deutsches Klimarechenzentrum GmbH)
- 11:10–11:40: Coffee break

Agenda...

- 11:40–12:00: Analysis of the ECMWF storage landscape (Markus Mäscher, University of Mainz)
- 12:00–12:20: Vectorizing RAIDZ calculations in ZFS for speeding up data reconstruction (Gvozden Neskovic, University of Frankfurt)
- 12:20–12:40: Analyzing and Predicting LBUG's with a Hidden Markov Model (Thomas Stibor, GSI)
- 12:40–13:00: Discussion and wrap-up

Discussion

- Is file system compression interesting for you?
- Which compression algorithms do you use?