ErUM Data IDT Area A&B Status report - Freiburg

Staff

- One position filled since September 2019 (Stefan Kroboth)
- New permanent position starting April 2020 (Michael Böhler)
- part time contributions from Anton Gamel, David Hohn, Benoit Roland, and Benjamin Rottler (other funding)

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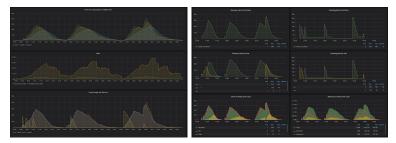
Progress on opportunistic resources

- Replaced ROCED with COBalD/TARDIS at ATLAS-BFG
- Implemented a SLURM batch system adapter (Pull request)

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⇔ Code ① Issues 12	III Wiki I Security
WIP: Slurm batchsystem adapter #129	
Conversation 4 Commits 10 R-Checks 1 D Files change	ged 3 +540-0
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Monitoring solution for opportunistic resources

Monitoring of HPC infrastructure which includes opportunistic and potentially short-lived resources using Prometheus, ElasticSearch, vector and Grafana



Update of the software infrastructure

- Replacing/refactoring/updating current code base to provide structured logs and extensive metrics
 - Starting, monitoring and management of the virtual machines
 - Initialization of the virtual machines
 - Integration of the virtual machines in the cluster
- Software stack will be shared in the future