

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)

ErUM Data IDT Area A&B

Status report - Freiburg

Progress on opportunistic resources

- ▶ Replaced ROCED with COBaID/TARDIS at ATLAS-BFG
- ▶ Implemented a SLURM batch system adapter ([Pull request](#))

The screenshot shows a GitHub pull request interface for the repository 'MatterMiners / tardis'. The pull request title is 'WIP: Slurm batchsystem adapter #129'. It is currently open and shows that 'stefan-k' wants to merge 10 commits into the 'MatterMiners:master' branch from their 'stefan-k:slurm_batch' branch. The pull request has 4 conversations, 10 commits, 1 check, and 3 files changed. The commit count is +540 -0. A comment from 'stefan-k' 15 days ago states: 'Initial version of the Slurm batchsystem adapter and rudimentary tests. Not ready to be merged yet.' There is 1 thumbs up reaction to the comment. The interface also shows options to Unwatch (10), Unstar (8), and Fork (7). The 'Reviewers' section shows 'No reviews' and the 'Assignees' section shows 'No one assigned'.

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