

Erste Ideen aus Freiburg für neuen Verbund „Federated Infrastructures and Science Cloud Computing“

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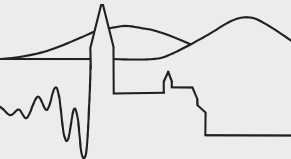
Kick-Off-Meeting für neuen Verbund

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Some first ideas

Optimized and efficient use of heterogeneous compute clusters:

- Continue adaption of meta scheduler for COBaID/TARDIS
(developed in G.Quast' group) for ATLAS uses case / ATLAS Nemo environment / ...

Optimized and efficient use of “on fly caching” prototype based on Xroot

- Continue adaption work from prototypes
(developed by groups of G. Quast and K. Schwarz)
for ATLAS use case / ATLAS Nemo/ ... environment

Contribute to development and evaluation of combined tests

with focus on developing, implementing and using monitoring and benchmarking tools



More specific ideas (M. Böhler)

- Automated tests -> Event Handler
(less maintenance via self-correcting system)
- Implementation of modules for automatized installation and maintenance (puppet/ansible module) for all used software
- Implementation of monitoring packages for use in open-source programs (as e.g. [Zabbix](#))
- Inclusion of data science tools in workflow ([anaconda](#), [Spark](#), ...) ..
[to enable closer connection with data science community, industry]
- Use of ML tools for analysis of log files (follow up on project developed by G. Duckeck's group and others)