Implementation of an email-based alert system for large-scale system resources

Robert Poenaru

Department of Computational Physics and Information Technology, IFIN-HH

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Motivation

Within a research department:

Scientific community

- Tackle different problems

- Construct a codebase for a particular issue

- Develop a scenario for executing simulations

- Request access to computing resources (submit jobs)

System administration community

- Manage allocation of the computing resources for each job

- Monitor executing simulations

- Monitor idling resources

- Keep track of incoming jobs

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