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Application of SLURM, BOINC and GlusterFS as Software Complex for Sustainable Modeling and Data Analytics

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Modern numerical modeling experiments and data analytics problems in various fields of science and technology reveal wide variety of serious requirements for distributed computing systems. Many scientific computing projects sometimes exceed allowed resource pool limits, requiring extra scalability and sustainability. In this paper we share the experience and findings of our own on combining power of SLURM, BOINC and GlusterFS as software complex for scientific computing. Especially, we suggest a complete architecture and highlight important aspects of systems integration.

Short biography note

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