



Contribution ID: 152

Type: **Poster**

Meeting the needs for a highly efficient and scalable parallel filesystem on the EGEE Grid Sites

Please indicate your preferred day to give a demo.

We plan to present a poster.

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We plan to present a poster.

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

SA1

Special requirements other than the set up mentioned in the CfA text.

We do not have any special requirements.

Abstract

The number of data intensive and high throughput applications on the EGEE infrastructure has increased radically over the last few years thus making the need for a robust and highly efficient parallel filesystem more imperative now than ever. Parallel filesystem solutions promise easy integration, great scalability and high reliability. Most implementations, in addition, provide common access to large amount of storage file data while achieving high I/O performance. In the context of the EGEE09 conference we shall illustrate and compare the capabilities and the performance metrics of two widely used parallel filesystems; the commercial GPFS and the open source Lustre parallel filesystems. The two systems will be compared with respect to the installation and configuration process, the maintenance needed and their availability and scalability metrics. Finally, investigations of client compatibility and I/O performances will be performed.

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