ABSTRACT:

# INTEGRATING SFS INTO GRID SYSTEMS

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Scalable File Share (SFS), developed at Hewlett-Packard, provides redundant, reliable and efficient data storage. It consists of independent servers and storage subsystems, the software installed is based on the open source Lustre file system, extended with management tools. It is very suitable for parallel access in a cluster environment, because networks of greater speed than that of Gigabit Ethernet can be used for data transfer, for example InfiniBand or Myrinet. In the file system, metadata is separated from object data, improving scalability.

The SFS system at BME serves experimental and development purposes. In our presentation we introduce the way we have integrated the system into the largest Grid project in the European Union, the Enabling Grids for E-sciencE (EGEE) project, which contains over 25 thousand computers working together.