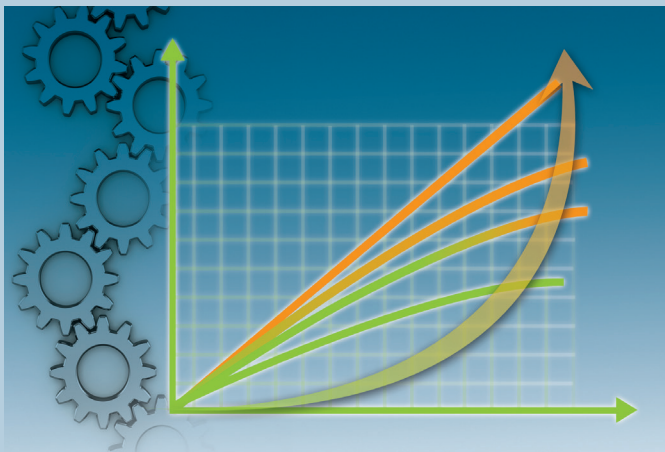


Tools for Application Optimization and Support on HPC: SIONlib, LLview and JUBE

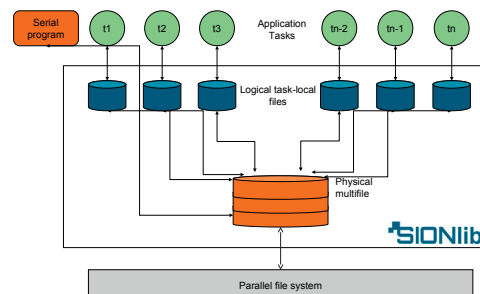


- High scalable parallel I/O
- Batch system and job monitoring
- Benchmarking framework
- Part of the development activity of the Cross-Sectional Team Application Optimization

SIONlib - Scalable I/O library for parallel access to task-local-files

- Supports writing and reading binary data to or from several thousands up to a million of threads into a single or a small number of physical files

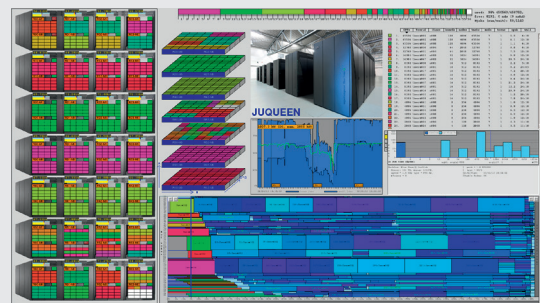
→ www.fz-juelich.de/jsc/sionlib



LLview - Interactive Monitoring of Batch Systems

- Running jobs and statistics
- Prediction of system usage
- Integration in Eclipse PTP in a DOE funded project
- Large-scale system Markup Language (LML)

→ www.fz-juelich.de/jsc/llview



JUBE - Benchmarking Environment

- Separates platform and application parameters
- User-defined multi-dimensional parameter space

→ www.fz-juelich.de/jsc/jube

