

# System Performance Optimization Service

# fact sheet

*Performance is one of the key factors to determine the success of a system implementation.*

- Do you ever think your system is just too slow?
- Are you concerned that your hardware is approaching its limits?
- Are you planning a customization or bulk data load and want to measure its effect on performance?
- Do you want to keep an eye on performance with regular health-checks and monitoring tools?

GE Energy has a service solution to meet your needs...

## System Performance Optimization Service

With the System Performance Optimization Service solution, our customer service team applies its technology knowledge and experience to analyze the Smallworld\* database component performance—and all the elements around it that can affect the final application performance. With this analysis, we can determine the optimum parameters and architecture for your system.

After a Smallworld database is populated and used by a customer in a production environment, the default database parameters are often no longer appropriate for the current size or the current object set. In this situation, reviewing the database parameters can allow us to improve your database performance.



**Phase I:** Define a set of procedures to be executed in order to analyze your Smallworld system performance and to determine whether or not the configuration is appropriate

**Phase II:** Analyze the results and identify opportunities for improvement

**Phase III:** Propose recommendations for actions to be performed on the system and present reports to you including the following:

- Establish a benchmark for your system and compare it to current performance levels
- Analysis of read/write speeds to your database
- A breakdown of hardware capacity and how close you are to system limits
- Checks on drainage of Unique Values from the database
- Analysis of wasted space within the database and recommendations on how to maintain a healthy database
- Efficiency tests on the use of Persistent Caches
- Performance analysis of internet-deployed solutions
- Set a baseline for your system performance from which to measure future improvement or degradation
- Recommendations for architecture enhancements and potential improvements from upgrading
- System monitoring tools to keep tabs on the health of your system

**Phase IV:** Monitor the system with automated monitoring tools and regular health-checks.

With all this information, you can weigh the pros and cons, costs, and a projected milestone plan which you can then present to your management level for final decision and approval to move ahead with the recommended improvements.



For more information about GE Energy's Service solutions, visit [www.ge.com/energy](http://www.ge.com/energy). You can also contact your GE representative at [energy.tdsolutions@ge.com](mailto:energy.tdsolutions@ge.com).

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