

## THE FUJITSU GROUP

### MOVING AHEAD WITH GRID TECHNOLOGY

Experts say that the next big revolution to hit the computer industry will be grid computing. The scientific community is already seeing the widespread benefits of grid computing, and experts project that the use of grids will quickly transform the business sector as technologies such as Oracle Database 10g are adopted.

At the Fujitsu Group—which is participating in many grid computing initiatives, such as GGF (Global Grid Forum)—the thinking is that the future is now. That's why Fujitsu is investing considerable resources to advance grid technology and ensure that its products are grid-ready. "This grid approach is strategic for the whole Fujitsu Group," explains Shu Hiraki, group executive vice president of business strategy and planning, platform products, Fujitsu Limited. "This is not something we've done by accident. It is very strategic for us to become the leader in this kind of technology."

Grid technology is an advanced form of networking whereby a virtual computer system brings together multiple servers, storage systems, and databases over the network as if all were located in a centralized data center. "One of the main benefits is that you get to a much higher utilization rate of existing hardware because all computing resources can be flexibly allocated to applications as needed," says Dr. Bernd Kosch, vice president for strategic alliances, Fujitsu Siemens Computers. "At the same time, you get a much more elegant way of deploying applications to reduce implementation and administrative costs, and therefore reach a much better total-cost-of-ownership position."

Fujitsu has already implemented an early incarnation of grid technology with the introduction of FlexFrame. "FlexFrame is not just a concept, but a proven technology that is running at customer sites very successfully," says Dr. Kosch. "These customers are benefiting from flexibility to meet changing business needs and gain investment

protection and rapid return. There is nothing comparable on the market right now."

Now that Fujitsu has made its first foray into grid technology for business, it is specifically targeting the Oracle market. "Both Fujitsu and Oracle believe in the same kind of strategy about grids," says Hiraki. "We believe in the advantages that grid computing will have for the enterprise market, and we have the expertise, the knowledge, and all the important technologies in place. Grid architecture components like Oracle's database clustering technology on Fujitsu servers give customers options for maximizing their IT resources. The pieces fit together perfectly."

Fujitsu and Oracle are working together to enable their customers to take full advantage of grid computing. Fujitsu's overarching vision for its grid technology efforts is TRIOLE, a German musical term for "triple" chosen to reflect the three components—server, storage, and network—that make up Fujitsu's integrated IT infrastructure platform. With TRIOLE, Fujitsu will provide customers with the ability to adapt quickly to change, develop and rapidly deploy new applications, operate reliable systems, and reduce the total cost of ownership of their IT systems.

In fulfilling its TRIOLE vision, Fujitsu will accelerate the development and deployment of customers' IT systems in complex heterogeneous environments. By assimilating server, storage, network, and middleware products into a cohesive, stable system, Fujitsu will optimize its customers' IT resources, ensure reliability and connectivity among system components, and enable the building of the infrastructures customers need to implement Oracle technologies in an enterprise environment.

At Fujitsu, grid technology is the present and the future. By already implementing grid technology and extensively planning for its future, Fujitsu is on the cutting edge of this promising and rapidly emerging new technology.

**FUJITSU**

THE POSSIBILITIES ARE INFINITE

**FUJITSU** COMPUTERS  
**SIEMENS**

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