



ANALYZE MORE DATA MORE RELIABLY WITH GTSI HIGH PERFORMANCE COMPUTING SOLUTIONS.

Many critical government responsibilities rely on the cutting-edge capabilities of high-performance computing (HPC). Analyzing terabytes of real-time intelligence, modeling weather patterns and ecosystems, deciphering genomes, running flight simulators or designing space travel scenarios are all tasks that would be impossible without the ability to rapidly process high volumes of data.

To meet this challenge, government professionals need balanced HPC systems that can meet both everyday and extraordinary demands for production research, very high performance databases, and real-time business intelligence. Yet even as these computational needs grow in size and complexity, government can't afford to rely on costly solutions that cannot scale or leverage value from existing assets.

A BALANCED SOLUTION

GTSI can address both needs with balanced HPC systems that are scalable, powerful, easy to manage and replicable across agencies. These faster, reliable



and more cost-effective HPC systems also deliver larger memory spaces with very low latency, providing greater system throughput, increased capacity management and improved efficiencies for your enterprise.

SCALED TO TASK AND BUDGET

GTSI can help you deploy HPC systems in all three major application topologies: computer clusters, technical computing and grid computing.

For systems that run serial code, GTSI has designed a lower-cost, commodity-based solution drawn from intelligent choices among our industry-leading innovation partners. If your HPC environment requires large memory, MPI-intensive software models or

- **Solutions for computer clusters, technical computing and grid computing.**
- **COTS-based HPC platforms deliver highest reliability, availability and portability.**
- **Balanced solutions scale with your budget and growth.**
- **Deep team expertise in server, storage, networking, open-source, security and software integration inside today's government.**





more basic serial code models, we can provide a hybrid cluster in the form of a department or campus GRID HPC.

To assure affordability as well as performance, all GTSI HPC solutions are Linux-based systems built on highly reliable and interoperable COTS components, so you can quickly deploy these solutions today and still have unlimited ability to expand as your computing needs grow.

THE EXPERTISE YOU NEED

By engaging GTSI for your HPC needs, you leverage decades of engineering and technical experience with a thorough knowledge of federal contracting. Our HPC team is composed of highly skilled Linux and Unix engineers, network engineers and storage engineers who bring deep knowledge and insight into every aspect of your HPC solution.

Our team will visit your facility and work with your scientists, engineers and analysts to thoroughly assess your computational needs. We then design and install precisely the right solution to give you the best possible price

performance and systems management capabilities—saving valuable engineering and management time and reducing total cost of ownership.

GTSI can also provide power and cooling solutions that meet the demands of today's high-density HPC environments—including UPS, onsite professional service resources, training, testing, leasing and storage services.

CONTACT GTSI

For more than 20 years, GTSI has provided practical technology solutions for all levels of government. Our experienced team brings you a single trusted source to assess, advise, purchase and install your HPC system.

Set up an appointment with GTSI today to find out how our high performance solutions can reduce your costs and increase your computing capacity. Call us today at 800-999-GTSI, or visit us online at GTSI.com.

