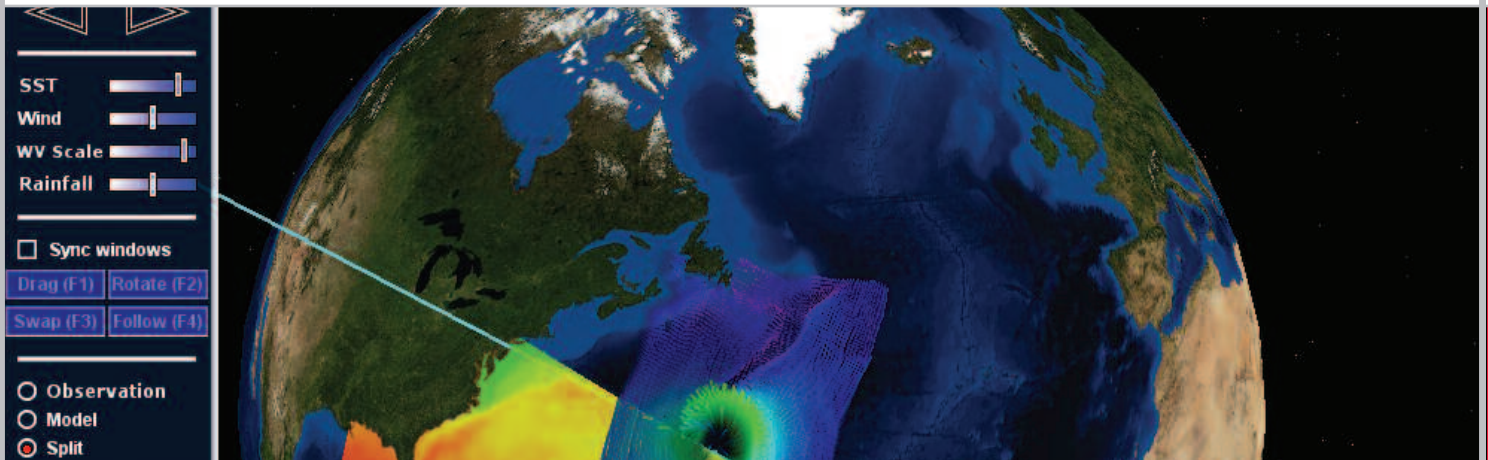




Raytheon's High Performance Computing Solutions Delivering Mission-Critical, Reliable HPC Systems



Customer Benefits

- Highly reliable solutions and services for mission-critical operations that support weather forecasts, climate modeling, our environment, national security and the warfighter
- Advanced solutions and support services from world-class engineers, technologists and scientists
- Cost efficiencies from leveraging industry best practices and proven program management approaches
- Extensive experience and expertise that effectively address both the HPC challenges today and in the future
- Dedicated professional staff that delivers leading technical capability, credentials and industry quality certification

High Performance Computing (HPC) is a necessary component for achieving operational and mission goals. Today's government demands leading edge solutions that push the technology envelope and drive new requirements. Raytheon recognizes that advanced processing solutions are required to power critical services. We work in partnership with customers to deliver integrated solutions for increasingly complex challenges and mission critical problems.

Proven Experience

With over 40 years of unparalleled experience in HPC, Raytheon is a world-class provider of high performance computing, systems integration, advanced information technology, and high-fidelity

scientific solutions. Our HPC experts work closely with our customers and with leading technology companies to deliver the most reliable, extremely robust and highly-secured systems.

Innovative Solutions

Our tailored solutions provide end-to-end capabilities combining highly qualified technical staff, advanced technical support and best-of-breed products. Raytheon provides advanced solutions to computationally intensive, mission critical applications—from climate modeling and weather forecasting to classified defense programs supporting the warfighter.

Delivering Results

We work to drive costs down with out-of-the-box thinking, leveraging existing work, minimizing risk and using novel approaches. We treat HPC programs as strategic investments and work with customers to obtain maximum returns to meet or exceed current and future requirements.

High Performance Computing Systems

Raytheon offers large-scale high performance environments that exploit the most powerful agency platforms with capabilities that include architecture engineering, performance engineering, software development, integration, facilities/site preparation, acceptance testing and full lifecycle maintenance and operations.

Storage and Archive Systems

Raytheon has extensive experience integrating and supporting large-scale data systems that provide high volume data capture, high-speed processing, high-bandwidth networking, remote and local data archival, disaster recovery/ backup, highly secure and highly available information management and distribution.

Networking and Communication Systems

We develop customized secure IT network backbones with high bandwidth to maximize network availability and throughput for information management and distribution.

Scientific Visualization

Raytheon offers scientific visualization solutions that include high-resolution 2D and 3D scalable array displays, allowing researchers to visualize, animate, analyze and compare model outputs. Our expertise in video over IP networks enable collaboration for sharing of research and visualization results.

Application Services and Tools

Our expert team of engineers has a proven track record in developing and utilizing application tools for performance monitoring, analysis and benchmarking, software optimization and tuning, resource management and automation.

Simulation

We bring extensive experience with mathematical modeling of physical processes. Our expert team handles some of the most demanding computational applications in the world requiring petaflop processing, high-speed interconnects and data management tools designed to meet significant performance and reliability demands.

Knowledge Discovery and Management

Raytheon delivers smart systems that transform massive amounts of raw data into meaningful information—quickly and effectively. Using industry leading analytics to automate data correlation, we exploit, fuse and share information from multiple sources to facilitate knowledge from otherwise complex data.

Facility Operations

We empower agencies and users to seamlessly migrate to new technology, while maintaining high system availability, science and research support, mission operations, prototyping, as well as providing complex systems and applications support.



Raytheon delivers highly reliable, large-scale systems to support mission critical operations and scientific advancement.

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