



Global Services

SGI™ HPC Outsourcing Services

Cost-Effective, High-Performance Computing

Features and Benefits

- Complete Internet data-center hosting for IRIX and Linux OS
- Reduced capital requirements
- Lowered operating expense
- Reduced facility and space requirements
- World-class, high-performance computing technologies
- Advanced security options
- Proven hosting and Internet access services
- 24x7 system monitoring, upkeep, and maintenance

Gaining Strength and Reliability through HPC

Today's fast-paced business environment is making new and unexpected demands on high-performance computing (HPC) installations. Being able to rapidly and reliably process large data sets, run massive simulations, and render detailed designs is vital to the manufacturing and energy industries, science labs, and government agencies. Yet at the same time, HPC managers are being asked to cut costs and find new ways to accomplish these crucial processing tasks.

SGI Global Services offers a series of flexible HPC Outsourcing solutions to organizations seeking a more cost-effective, high-performance computing option. Through HPC Outsourcing, your company can purchase or lease our powerful SGI™ Origin® family servers, which are housed and maintained off-site but remain connected to your company via a secure Internet hosting service. Your organization is spared the cost of supporting a large computing installation while gaining the strength and reliability of the most powerful systems on the market today.

The SGI Origin Family

Built on our innovative SGI™ NUMA architecture, SGI Origin family high-performance computers deliver modular flexibility, unsurpassed scalability, and industry-leading processing power to scientific, engineering, and creative professionals around the world. Used for projects such as custom indexing and searches of the human genome, seismic processing of geological data, and engineering simulations of product CAD data, SGI Origin family servers are leaders in reliable, easy-to-use, high-performance computation. Projects are further enhanced by innovative SGI™ software tools, which enable HPC and visualization applications to leverage the most advanced computation and visualization hardware.

Highly Available Internet Data-Center Hosting

HPC Outsourcing offers access to SGI Origin family systems running IRIX® or Linux® via a secure Internet connectivity solution from Genuity, one of the world's leading online service providers and hosts. Access is provided by Genuity's global Tier 1 Internet backbone and secured via its award-winning managed-security service, which includes encrypted SSH, Secure ID, or private VPN options. Genuity is also certified to host Sun™ and Windows NT® systems, allowing you to outsource heterogeneous HPC environments if required.





The Outsourced HPC Environment

SGI integrates its systems with this powerful online service to deliver a world-class HPC computation and data-storage environment. Your purchased or leased SGI server is housed in one of Genuity's state-of-the-art data centers, where our team of experts provides physical and Internet security, OS maintenance, and 24x7 monitoring of hardware and applications. Access is provided over an encrypted Internet connection or private VPN. The result is a highly available data processing resource for your organization's developers, researchers, and scientists.

Flexible Service Options

SGI Global Services offers three service options for HPC Outsourcing. Your company may purchase or lease one or more SGI servers, including bundled Genuity hosting, bandwidth, and services. Alternatively, your organization may desire to outsource its current HPC installation off-site, to be maintained and supported by SGI and accessed via the same Genuity connectivity package.

High-Performance Computing on Demand: An Additional Option

SGI Global Services also offers its unique SGI HPC ON-DEMAND™ rental services for organizations that wish to utilize high-performance computing on a part-time basis. Through SGI HPC ON-DEMAND, your organization can rent high-performance processing as needed on our powerful SGI Origin family servers via Genuity's Internet hosting service. From your desktop, you carry out vital research and creative work while paying only for the time you use. Access is provided over an encrypted SSH, Secure ID, or private VPNs.

Optimizing Your Technology Investment

It is frequently more cost-effective to outsource HPC hosting than to build and maintain the hosting infrastructure in-house. A recent IDC study found that most businesses realize a 301% return on investment when they outsource hosting rather than build bandwidth and connectivity capacity in-house. The SGI HPC Outsourcing solution meets your requirements for lower processing costs, improved efficiency, and greater access to HPC resources across the enterprise while ensuring that your technology budget remains invested where it is needed most.

Working with SGI Global Services

SGI Global Services is a leading worldwide information technology service provider specializing in high-performance computing solutions that address your most challenging IT problems. Our experienced specialists have the resources and skill sets to advise you on powerful, sustainable solutions that will significantly impact your organization's success. Offering industry-specific consulting, expert technology services, and ongoing system support, our organization is your single point of contact for HPC solutions, aligning strategy, people, processes, information, and technology to help you stay ahead of the curve.

To learn more about SGI HPC solutions, contact your nearest SGI sales office or visit our Web site at www.sgi.com.

SGI Global Services offers a comprehensive range of service solutions in the following categories:

- Professional Services
Consulting Services
- Productivity Services
Managed Services
Remanufactured Products
- Support Services
Mission-Critical
- Education Services

For additional information, please visit www.sgi.com



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