sgi®

SGI® Technology Solutions for Linux®

Superior End-to-End Linux OS Solutions Featuring SGI® Altix™ 3000 Family Servers and Superclusters

Features

- Custom Linux OS solutions for the most demanding technical computing challenges

- Comprehensive solutions featuring Altix systems and advanced visualization and storage systems from SGI

- The full range of services, from design to implementation to managed support to training

- Unequalled expertise in 64-bit, shared-memory technologies and Linux integration

- Industry-leading experience in technical and high-performance computing

- A highly responsive global support team with Red Hat certified engineers

Benefits

- A single source for tailored solutions with advanced visualization, big storage, and Linux OS-based high-performance computing (HPC)

- A single source for the design, implementation, and support of complete solutions

- Integration of Altix systems and the Linux OS into existing heterogeneous networks and infrastructures

- Optimized system performance for your applications and computing environment

- A broad range of services that ensure sustained availability and high throughput levels

Industry-Leading Solutions and Services for Greater Linux Compute Power

SGI has combined the speed of its shared-memory NUMAflex™ architecture with Intel® Itanium® 2 processing power to create an open-source Linux environment of record-breaking performance. The Altix 3000 platform is designed to help SGI customers master daunting problems and achieve breakthrough results with a 64-bit architecture that is scalable to thousands of processors. It is based on in-depth SGI knowledge of the challenging technical computing needs of professionals in energy, the sciences, government and defense, manufacturing, and media.

SGI Technology Solutions can move you quickly and efficiently into this environment with expertise in all key areas—NUMAflex architecture, 64-bit technology, technical computing implementation, and the Linux OS environment—to integrate SGI Altix technology into your infrastructure and tune systems for maximum performance and throughput. Knowledgeable SGI engineers will assess your needs, goals, and operational environment before architecting a Linux implementation that can give you maximum productivity from both commercial and homegrown applications.

Only SGI can create and implement HPC Linux solutions that tightly couple SGI® advanced visualization and industry-leading storage management capabilities. Our solutions combine best-of-breed technologies in high-performance computing, visualization, and the management of complex data.

A Consistent Leader in Technical Computing and Customer Satisfaction

SGI is a high-performance computing specialist with large-system expertise, backed by more than 20 years of industry experience. We excel in integrating and supporting heterogeneous high-performance shared-data environments, and we're deeply involved in the special demands of technical computing. SGI Technology Solutions is renowned worldwide for efficient, on-time implementation, responsiveness, and attention to detail. Our track record and consistently high customer satisfaction ratings speak volumes about the dedication, proficiency, and passion we put into our solutions.

Linux Solutions and Services from SGI:

All the following services are available as part of a customizable SGI solution for the implementation of Altix servers and superclusters:

- Linux Infrastructure Services: optimal integration of Linux into an existing heterogeneous environment

- Linux Networking Services: all aspects of network services, including File Server (XFS™, NFS, SAMBA®), Print Server, Network Router/Bridge, Firewall, and IP services

- Linux Interoperability Services: increased interoperability between Linux systems and other systems to create common access to print and file servers

- Linux Migration Services: migration of key applications/environments from UNIX® systems and 32-bit Linux systems to the Altix 64-bit Linux platform

- Linux Storage and Backup Services: comprehensive solutions that range from SAN to NAS and include sizing, configuration, scheduling, performance, availability, and other services

- Linux Clustering: integration of SGI Altix servers and superclusters into heterogeneous Linux clusters

- Linux System Implementation: comprehensive system implementation and software configuration, with the option of choosing service modules to achieve maximum results in minimum time

- Linux On-Site System Administration: expert set-up and ongoing system management services with flexible scheduling options

- Linux System Tuning: system performance optimization to improve response time, system availability, and throughput

- Embedded Support Partner (ESP): implementation of ESP for proactive monitoring and notification, enabling integration of heterogeneous systems and devices with support management from a single console

SGI Technology Solutions can help you fine-tune the Linux OS to realize the greatest possible sustained throughput. Our comprehensive end-to-end technology solutions include SGI's renowned support services. Services include training and superior customer support programs that range from standard 5x9 coverage to 7x24 mission-critical support.

SGI Technology Solutions

SGI Technology Solutions is empowering a world of innovation and discovery by providing top-performance systems, solutions, and services to the world's leading technical and creative users. With exceptional expertise in high-performance computing, advanced visualization, and the management of complex data, our specialists have the resources and skill sets to architect, implement, and support the most effective technology solutions for the 21st century.

To Learn More

Contact your local SGI sales office to learn how SGI Technology Solutions can help you achieve your technology goals and optimize your technology investment.

SGI Technology Solutions provides expert-to-expert technical services and solutions:

- Systems Engineering

- Professional Services

- Managed Services

- Support Services

For additional information, please visit *www.sgi.com*

More Services from SGI

Implementation
- IRIX® System Implementation
- IRIX Network Implementation
- IRIX Upgrade Implementation
- SGI Implementation of Legato Networker®
- SAN and CXFS™ Implementation
- Data Storage Implementation
- UPSafe™ Implementation
- FailSafe™ Implementation
- MediaBase Implementation
- SGI Media Server™ for Broadcast Implementation
- Linux® System Implementation
- ESP System Group Manager Implementation
- SGI® System Disk Upgrade Service

Deployment
- Hardware Installation
- Deployment Services

System Management
- IRIX On-Site System Administration
- IRIX Remote System Administration
- Linux On-Site System Administration
- Linux System Tuning
- Performance Monitoring Service