sgi®

Solution Brief

SGI High-Performance Enterprise Solutions

SGI Altix Platform for SAP Solutions
Enterprise Resource Planning Solutions from SAP, SGI and REALTECH

The A-Team:
Enterprise Resource Planning Solutions from SAP, SGI and REALTECH. The natural progression of mySAP married to a flexible open-source real-time enterprise-class hardware platform with world-class implementation support.

What would life in the Enterprise be like if we had the technology that could seamlessly and dynamically extend the underlying hardware platform for precisely meeting the rigorous demands of today's flexible service-oriented enterprise? Well, that day is here. The Linux® OS-based SGI® **A**ltix® server family allows the exact match of SAP world-class software products, mySAP2004/5, with commodity hardware components and open-source operating systems. This unique combination provides "just in time" information delivery, simple system administration, enterprise-class maintenance, unparalleled performance

in relation to initial price, and a total cost of ownership that makes for an outstanding and lasting value.

The challenges facing the IT organization today are formidable, unlike any other time in history. With globalization, rising costs, competitive pressures and a critical need to reduce time-to-market, IT-as-a-service to the enterprise has more demands placed on it than ever before. This has caused the "instant response" paradigm that requires information delivery to be timely, accurate, and instantly changeable; and at the same time compliant with an ever-increasing stream of new laws. Critical success factors include product reliability, time-to-market, rising prices, product liability, and world-wide competition. Driven to exceed expectations for these factors are IT Enterprise-class solutions from SAP and SGI. The IT infrastructure must be designed for "instant response" and "instant changeability" to maximize return on investment and lower the total cost of ownership. This can only

be accomplished through the deployment of innovative and flexible open systems architectures.

mySAP All-in-One, a pre-packaged version of mySAP Business Suite, brings sophisticated, world-class solutions – not scaled-down applications – to small and medium-sized companies in a cost-effective, low-risk, pre-packaged form. Smaller organizations can now enjoy the benefits of powerful e-business solutions – including industry-specific, best-in-class functions and business processes; which means that you can be ready for roll-out within days and live on SAP within weeks. This flexibility, coupled with SGI's flexible service-oriented hardware platform, allows turn-on-a-dime responsiveness for the Enterprise. The SGI **A**ltix family of servers is certified through SAP LinuxLab for all SAP solutions.

Advantage: A-Team
SGI's **A**ltix family of flexible service-oriented Linux OS-based servers has

been developed from a long history of high-performance database and computing technologies. These include the world- renown NUMAflex™ interconnect fabric, Linux OS-supported processor scaling between two and 512 processors, single-image memory systems up to 24TBs, and aggregate IO bandwidth up to 12GB/second. These highly flexible systems may be configured as single-image (one Linux operating system) or multiple nodes (multiple Linux operating systems. IT resources may be deployed or re-deployed as business requirements change.

The SGI NUMAflex architecture allows seamless connection for single image systems and rapid re-configuration for high-growth or volatile environments requiring flexible re-deployment of resources. Multiple node clusters are also available for high availability, scalability, and disaster recovery requirements. This pay-as-you-grow architecture provides lower entry cost, longer deployment of resources, and thereby creates an infrastructure affording lower costs over longer periods of time than other conventional server platforms. For real-time deployments, the SGI **A**ltix system enables more of the database to be in memory at any given time. And, for memory-resident database deployments, we are now able to contain the entire database in memory with full persistence and recoverability. This translates to very high performing solutions that meet the "instant response" requirement of many of today's applications.

Linux for the Enterprise

According to Gartner, by 2008, 60% of enterprises with 500 or more employees will have migrated 80% of their UNIX® applications to Linux. Linux offers lower license costs, quicker return on investment, and a lower total cost of ownership

than conventional operating systems. With a large community of users, the ability to have control over enhancements, and support for numerous hardware platforms, Linux is ready for the enterprise. The SGI **A**ltix family supports 64-bit Novel® SUSE® Linux Enterprise Server and Red Hat® Enterprise Linux® distributions. SGI is a member of the Open Source Community and works with the Community to advance the scaling, reliability and efficiency of Linux to further reduce operating costs.

Implementation Team

SAP and SGI have teamed with another "**A**" player, REALTECH, Inc. for mySAP implementation and technical support. REALTECH provides expert worry-free technical support for mySAP implementations on the SGI **A**ltix family of servers. REALTECH is a leader in SAP technical support and is one of only a few authorized SAP migration partners. This expert-class partnership affords our customers the opportunity to easily change from obsolete hardware architectures and begin participating in the cost savings permitted by deployment of an open standards-based system, the SGI **A**ltix family.

Information Management

A full range of open-source and proprietary database management systems are available on the SGI **A**ltix family. Industry-leading products from Oracle: Oracle Enterprise Edition, Real Application Clusters, and TimesTen; IBM: DB2 Enterprise and Extended Enterprise Editions, Data Parallel Feature, High Availability Disaster Recovery, Informix Dynamic Server; MySQL; PostgreSQL; and others.

InfiniteStorage Solutions

Rapid data growth is a phenomenon present in most compute environments. As data grows it becomes increasingly

complicated and expensive to store, access, protect and manage.

As users take a look at the amount of data they will need to manage in the next 2, 5 or even 10 years, what they want is a solution that will meet their current needs and grow with them over time without limiting their options.

Under the Open Storage initiative SGI® InfiniteStorage solutions for intelligent Consolidation, Data Lifecycle Management and Data Protection are available on storage hardware that is not SGI storage hardware.

SGI brings the industry's only full line of storage solutions designed specifically for data-intensive environments to open storage. Now users can take full advantage of the cost reduction and productivity enhancements of a complete suite of storage solutions that integrate seamlessly and scale infinitely without limiting options or losing their investment in legacy storage hardware.

SGI has addressed customers' desire for openness in computing platform environments for many years. The entire suite of SGI InfiniteStorage solutions for Intelligent Consolidation Data Lifecycle Management (DLM) and Data Protection supports environments that include Windows®, IRIX®, Linux®, Solaris™, AIX®, Mac OS® and others. Now, the SGI® Open Storage Initiative adds openness in storage hardware as well, delivering the flexibility and choice customers want to protect their investment in legacy storage or keep their options open for the future.

SGI InfiniteStorage Solutions combine unique SGI products and capabilities with products from a well-established community of SGI partners which includes: AppIQ, Atempo, Brocade,

SGI Altix Platform for SAP Solutions

Engenio, Legato, STK, Xyratex and others. The first third-party disk storage products qualified by SGI under the Open Storage Initiative are from EMC with others to follow.

New Open Products

To simplify the deliver of SGI Infinite-Storage Solutions, the company has extended its storage solution platforms to a new entry point to offer pre-configured, optimized SAN and NAS Servers to be used with SGI, non-SGI or mixed storage hardware environments. Like the existing SGI® InfiniteStorage NAS and SGI® InfiniteStorage SAN 2000 and SGI® InfiniteStorage SAN 3000 models, the new SGI® InfiniteStorage SAN Gateway and SGI® InfiniteStorage NAS Gateway can be augmented with options for Data Lifecycle Management and data protection including SGI's world record performance backup and restore capabilities.

As the industry's premiere provider of complete storage solutions built specifically for data intensive environments, SGI uniquely enables customers to:

• Transparently share data everywhere
• Scale data as the business and application grows
• Manage the data lifecycle without limiting access
• Accelerate workflows

The **A-Team**: Partnerships That Propel the Enterprise Forward

SAP, SGI and REALTECH make up the team that will enable you to begin harvesting the benefits of lower costs with better information delivery, compliance and operating efficiencies.

3