

Sun™ Infrastructure Solution for Tru64 Migration

Helping Organizations Move to an Industry-Leading Platform to Affect Greater Data Center Utilization



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The Sun Infrastructure Solution for Tru64 Migration

The Changing Nature of Computing

In the last decade the nature of computing has changed in fundamental ways. The explosive growth of corporate intranets and the Internet — including the need for more bandwidth, larger networks, and innovative digital devices — has created new and challenging demands. As the number of users and devices accessing services over the Internet and corporate intranet grows, organizations are being forced to rethink how they create, manage, extend, and ultimately deliver information technology (IT) services with greater functionality and reduced cost. At the same time, it is creating massive opportunities for innovations in service and functionality.

Today, organizations are focused on obtaining additional availability or scalability in the most efficient way possible, with users taking for granted that their IT services will deliver the performance and predictability they need. However, as systems are replicated throughout IT infrastructures to give them greater resiliency and throughput, the result is often a sprawling, complex network of systems that are costly and difficult to manage.

Managing Cost and Complexity

Pressure to deliver results to the bottom line is forcing IT managers to find ways to drive costs out of their operations and align IT infrastructures with business priorities. It's easy to focus on total cost of acquisition (TCA) — but that's not enough. Total cost of ownership (TCO) and other business requirements must also be considered. Availability is essential if service level agreements are to be met. Computing infrastructures that scale both horizontally and vertically

are a must. Security that protects businesses and identities during times of heightened global tensions is in the forefront of people's minds. Complex IT infrastructures consisting of thousands of heterogeneous servers spread across the globe must be maintained. Handling all this while reducing complexity, cost, and easing management is a challenge.

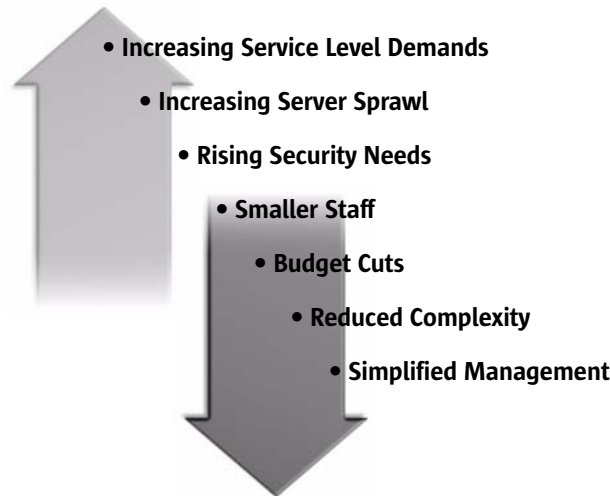


Figure 1: Data centers are increasingly challenged to balance a diverse set of business issues

A New Challenge — The End of Life of Tru64 and AlphaServer

Finding ways to drive cost and complexity out of the data center while increasing service levels is hard enough. Today, many data centers are faced with a new challenge — Hewlett Packard's announcement in 2002 that it will end of life the Tru64 operating system and AlphaServer platforms in 2004. Not only does the loss of a valued system complicate efforts to optimize the data center, it places additional strain on organizations that are striving to remain competitive and introduce new services. As a result, companies must spend time, money, and resources to migrate to another platform that can meet business needs in order to move forward. Fortunately, choices exist — but making the right choice is crucial to business success.

A Forced Migration — But to What, and When?

With the end of life of the Tru64/AlphaServer environment, organizations are forced to migrate to another platform to ensure business continuity and remain competitive. Of critical importance is not only deciding on a new target platform, but also determining how and when the migration should be performed. Enterprises have several options.

Wait Until HP-UX11i v4/Itanium Platforms Are Available

While some evaluation and development HP-UX/Itanium systems are available today, many organizations that rely on Tru64 require additional features, such as advanced file systems and clustering technology, intended for inclusion in HP-UX11i v4 in 2004. A key question to consider is, can the enterprise afford to stand still and fail to realize the benefits of new advancements in hardware or software technology while waiting for these platforms to come to fruition?

For some enterprises, an opportunity may exist to upgrade to higher end AlphaServer systems today in an effort to minimize the business risks associated with waiting for HP-UX/Itanium platforms. In this case, enterprises must consider several questions that could impact business results. How much money can the enterprise afford to invest in a product line

In explaining lower than expected Q3 financial results ending July 31, 2003, HP indicated "...the losses were due in part to the launch of the company's Integrity line of Itanium-based systems, investments in management software, and a decision to accelerate the Alpha processor transition to Itanium."

- "Mixed Results for HP"
eWeek, August 19, 2003
<http://www.eWeek.com/article2/0,4149,1226054,00.asp>

that is being discontinued? Will HP-UX/Itanium systems reach the marketplace on time and provide the features the business needs to be successful? Only by understanding the answers to these and related questions can organizations evaluate the risks and rewards posed by standing still today.

Migrate to HP-UX/PA-RISC Today, Then Migrate to HP-UX/Itanium Tomorrow

A possible solution for enterprises concerned about investing in additional Tru64/AlphaServer environments is a two-step migration. Organizations can migrate to HP-UX running on PA-RISC systems today, and migrate again when HP-UX11i v4/Itanium systems are released in the future. While a phased approach may have initial appeal, organizations should consider the financial impact that may result. Indeed, enterprises should evaluate whether migrating to the PA-RISC architecture is wise given widespread concern that Hewlett Packard may only build systems based on it through 2005. Can a company afford to invest in another potentially discontinued product? How much time and money will be lost by having to perform the migration twice? If HP-UX/Itanium platforms are delayed and a decision is made to migrate to another operating platform, will the port to PA-RISC systems have been an expensive diversion?

Migrate to Linux

Another option available to enterprises today is migrating to the Linux operating environment. While several Linux systems are available, organizations should analyze whether their business and technology requirements are satisfied by that approach. Several key questions may need to be analyzed. Will the Linux environment provide the scalability, availability and advanced features, such as clustering, that existing business- and mission-critical applications demand? Will an enterprise application port easily to Linux, or will it require substantial rework to run on x86-based systems? How much money will the enterprise need to spend to train administrators and ensure the operational skills required are obtained? Are the development and management tools employed today available on Linux, or will new tools need to be purchased, potentially leading to increased total cost of ownership? For some enterprises, the answers to these questions may reveal that migrating to Linux is a viable option, while others may need to look elsewhere for the right platform.

Figure 2: Organizations should consider a variety of business and technology related questions when evaluating migration options



- Can the enterprise afford to stand still?
- How important are advancements in software and hardware?
- Is investment in a discontinued product line wise?
- Will production ready HP-UX/Itanium systems ship on time?
- Will HP-UX provide advanced, business-critical features soon?
- Is Linux a viable option?
- Are alternative platforms available from other vendors?

Migrating to Itanium — Is It Worth the Potential Risk?

Any migration approach that requires waiting for HP-UX/Itanium systems to come to fruition may pose risks to the enterprise. Indeed, migration to a new, unproven system architecture and operating system combination has the potential to be costly and disruptive and to increase business risk. When considering migration to Itanium platforms, organizations should consider several key questions.

- *Is HP-UX11i v4 on Itanium a viable architecture, and what happens if it is late to market?*

Few hardware and software vendors have committed to the Itanium architecture, raising concerns over its viability in the long term. Indeed, only 11,278 Itanium servers were shipped between July, 2001 and June, 2003, with most systems sold by Hewlett Packard (Figure 3). Combined with the fact that Itanium is already five years late to market, many fear the platform will never ship in volume. What happens if Itanium fails to become a volume server processor, and Intel choose to abandon its development in favor of its x86 Yamhill processor project? Will HP be able to quickly obtain the significant Itanium engineering, software, support, and financial resources required to deliver systems to customers? If the Itanium market remains as uncertain as it is today, will ISVs bother to port applications to a niche player? Furthermore, if Itanium systems fail to come to fruition and offer the advanced capabilities enterprises demand, will enterprises have squandered precious time waiting for an unproven, untested architecture?

“...widespread enterprise use of Itanium servers is still an elusive goal, especially for applications equivalently business- or mission-critical as those typically running on AlphaServer platforms.”

- Robert Frances Group, July, 2003

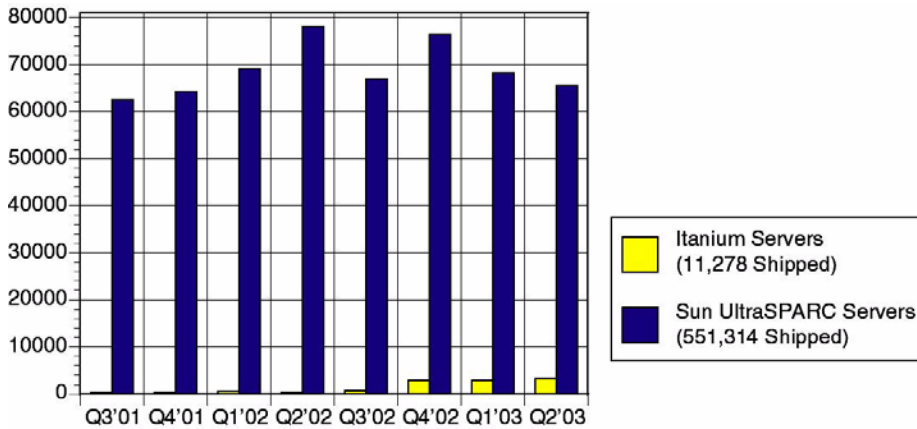
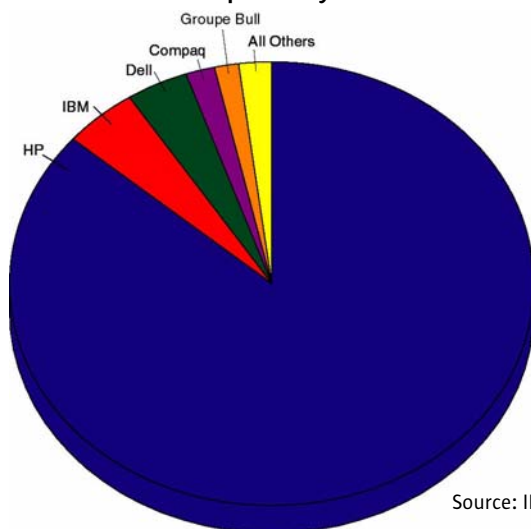


Figure 3: Itanium-based server shipments have been lackluster



Source: IDC Worldwide Quarterly Server Tracker August 28, 2003

“Right now, Itanium simply does not have the range and breadth of software available to make it a reasonable choice for corporate data centers.”

- Gabriel Consulting Group, April, 2003

- *Will third-party applications be available on Itanium?*

To date, ISVs have shown little enthusiasm for supporting the Itanium architecture, especially for large scale business applications. Indeed, according to Hewlett Packard’s web site on January 21, 2003, only 125 applications from 94 ISVs run on HP-UX/Itanium platforms. Furthermore, many ISVs have chosen to port only the latest versions of their applications to Itanium, potentially requiring enterprises to upgrade software, perform integration testing, and migrate data — requirements that may reduce investment protection and impact return on investment.

- *How difficult will it be to port enterprise applications to Itanium?*

According to an article that appeared in the July 17, 2002 issue of *InfoWorld*, some organizations believe a decade or more may be required for the industry to learn about the Itanium architecture. As with all new processors, tool and compiler maturity may play an important part in accelerating the learning process, especially given the increased importance of compilers in optimizing Itanium code. As a result, companies must determine whether the tools available, and the retraining required, will ease the porting of existing enterprise applications to the Itanium architecture. How long will it take developers to learn the new architecture? When will tools be available to assist the migration process, and will those tools provide the features Tru64 applications demand? Are tools available to help automate the migration process?

- *What will it cost to migrate to HP-UX/Itanium systems?*

Perhaps the greatest fear in moving from Tru64/AlphaServer platform to HP-UX/Itanium systems is being able to accurately predict the cost of migration. Unfortunately, there is no simple answer. Organizations must consider several factors. Given the limited experience with Itanium servers to date, does Hewlett Packard have the real-world experience needed to port business- and mission-critical applications in an efficient and cost-effective manner? What are the technology risks in moving to an unproven, untested architecture? How can the enterprise be assured that service levels will not be impacted by the migration?

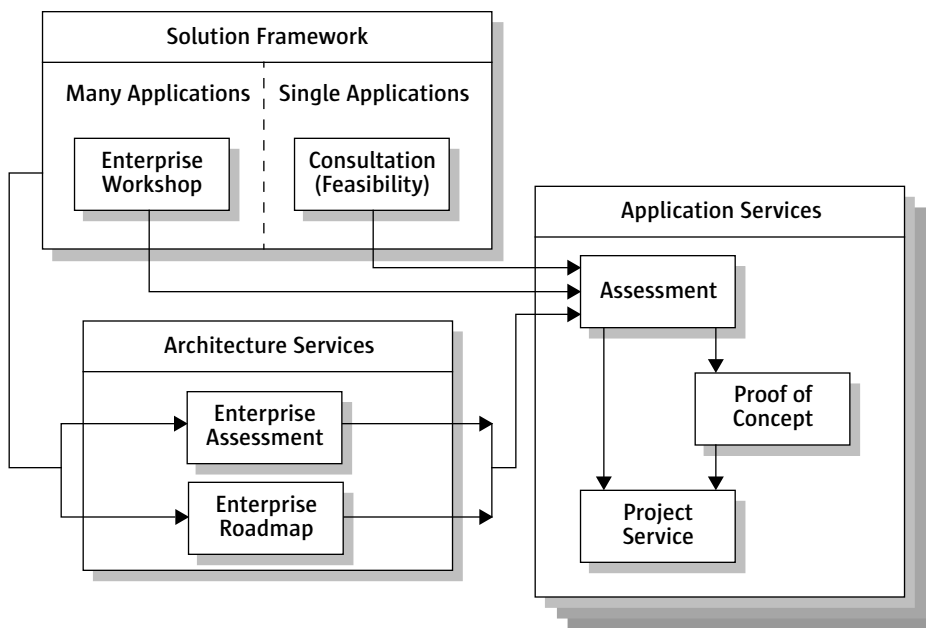
Waiting It Out — Is It Affordable?

Running applications on a dead end architecture has the potential for risk. Enterprises need to understand the issues at hand, and the potential challenges posed, if staying with Tru64/AlphaServer platforms for the short term is a consideration. What are the costs of maintaining an aging platform for which both Hewlett Packard and ISVs are beginning to reduce engineering and support resources? Will the enterprise be standing still on the technology curve as ISVs stop porting applications to Tru64? How will the enterprise leverage the value of Web services to generate new revenue? Will the enterprise experience decreased ability to implement new business solutions due to a lack of support from Hewlett Packard, ISVs, and system integrators? Can the enterprise afford to rely on its own staff — at the risk of increased costs and decreased availability — to maintain business systems for five to ten years? How will these choices impact the performance, availability and quality of systems, applications, and services?

The Sun Infrastructure Solution for Tru64 Migration

Many enterprises committed to the Tru64/AlphaServer system are faced with the reality that they will need to migrate to another platform. While some companies promise alternatives in the future, Sun offers migration solutions for companies who want to reduce costs and increase the quality of business services — today. The Sun™ Infrastructure Solution for Tru64 Migration offers a comprehensive, integrated package of lifecycle services, developer migration programs, hardware, software, financial offerings, and partner skills to ease the transition to Sun systems. With the Sun Infrastructure Solution for Tru64 Migration, Sun can provide a new, secure IT infrastructure that can accelerate development of new applications to help meet evolving business needs, while helping to maintain current business functionality and protect investments in business applications.

Figure 4: The Sun Infrastructure Solution for Tru64 Migration provides a comprehensive package of services, tool and partner skills to ease the transition to Sun systems



- *Enterprise Migration Services*

Enterprise Migration Services help assess, size and plan simple to complex migration projects, facilitating the management of a multi-application infrastructure that may be distributed or replicated across several sites. Enterprise Migration Services include an enterprise migration workshop, assessment and roadmap, migration training, skills assessment, a feasibility study to evaluate technical options and business alignment, and project management. Designed to enable a smooth transition from legacy environments to the Sun servers, Enterprise Migration Services help lower total cost of ownership and protect investments.

- *Application Migration Services*

Application Migration Services — a combination of tools and services offered by Sun and its partners — help organizations analyze, rehost or migrate existing applications for deployment onto Sun systems. Applications Migration services include migration consultation and assessment, as well as an application porting project service. These services, combined with Sun's commitment to a long term roadmap of technology enhancements and support, help enterprises maintain current business functionality and protect investments in business applications by rehosting them to the Solaris™ operating system.

- *Migration Tools for Developers*

Because Tru64 and the Solaris OS are both UNIX[®] environments that use similar tools and libraries, porting applications to Sun platforms is an easy choice. Sun utilizes a variety of migration tools, resource guides, and Sun experts to ease the transition. The C/C++ libraries, other libraries and toolkits available for Solaris allow the dynamic linking to new code, making it perfectly feasible to run migrated Tru64 applications on the Solaris OS. Sun and its partners provide tools that streamline the porting of C/C++ applications, Java and COBOL applications, and scripts from Tru64 to Solaris OS. Combined with integrated development environment (IDE), these tools enable developers to quickly adopt new technologies, reduce development costs, and secure technology investments for the future.

- *Financial Enablers*

Sun offers a wide range of financial options against previous systems to help enterprises acquire new Sun technology in the most cost-effective way. These options include attractive trade-in offers for qualifying systems, cost-effective operational lease programs, technology refresh programs, and upgrade options, helping enterprises maximize return on investment.

Realizing the Benefits of the Sun Infrastructure Solution for Tru64 Migration

Migration to a new platform touches a significant part of every business. The Sun Infrastructure Solution for Tru64 Migration can have a strategic impact on the enterprise in several areas:

- The Sun Infrastructure Solution for Tru64 Migration does more than just solve an immediate migration issue — it gives companies access to a new product family that can simplify IT infrastructure, reduce costs, and increase asset utilization.
- With the Sun Infrastructure Solution for Tru64 Migration, enterprises can take advantage of technology advancements today — not years from now. Sun's broad product line and Infrastructure Solutions help companies get into a industry-leading UNIX solution with reduced risk and less hassles — today.
- By moving to Sun systems, enterprises can improve operational efficiency by consolidating and standardizing onto fewer operating systems. The result — simplified IT infrastructure, reduced costs, increased asset utilization, and improved efficiency.
- For over 15 years, Sun has offered enterprises true binary compatibility across its product line. Applications can run unmodified on all Sun systems running the Solaris operating system. Today, even Linux applications can run on Solaris x86 systems without modification, further protecting investments in both hardware and software.
- Migrating to Sun systems offers enterprises a proven architecture with leading ISV enthusiasm. Indeed, Sun has a strong relationship with ISVs, with over 14,000 applications running on Solaris OS today.
- Sun offers best-of-breed solutions today, and is working on emerging technologies that offer new and exciting ways to further optimize the data center in the near future.

Sun Products and Technologies

While assessment, consultation and porting services are key to any migration, so are robust products and technologies. Sun offers a complete, end-to-end solution based on open standards and industry-leading technologies that gives organizations the freedom to choose the right platform for the job at hand.

A Choice of Operating Systems — Solaris, Solaris x86, and Linux from Sun

An application's characteristics determine where and how it is deployed. Mission-critical applications demand highly available platforms, while others can tolerate reduced uptime. Some applications require a high degree of vertical scalability, while others need only moderate horizontal scalability. Some applications require minimal security, and others demand stringent access control rules be followed at all times.

Evaluating requirements and making the right decisions that result in the best pairing of platform to problem is essential to success. Making that goal a reality means having the flexibility to optimize the environment. Sun offers businesses the flexibility to build optimized systems by delivering a choice of operating system platforms — Solaris, Solaris x86, and Linux from Sun — with multiplatform options based on open systems.

The Solaris operating system is designed to deliver the power, flexibility, availability, and compatibility to support enterprise-wide computing. It combines key computing elements — operating system, networking, and user environment — into a stable, high quality foundation that organizations can depend on to develop, deliver, and manage business- and mission-critical computing solutions. The strengths of the Solaris operating environment lie in its enterprise-class reliability, scalability, and performance. IT organizations supplying services on demand will appreciate the high performance, extended security, enhanced scalability, superior reliability and availability, and software investment protection provided by the world's leading UNIX environment.

Sun is bringing the benefits of the leading UNIX® platform to x86-based machines with the Solaris Operating System (x86 Platform Edition). With the addition of Solaris x86, enterprises can standardize on a single operating system that runs across all servers, resulting in significant cost savings and reduced complexity. Providing the same functionality with source code compatibility, the Solaris and Solaris x86 environments deliver stability and open source innovation on both UltraSPARC™ and x86-based systems. Solaris OS delivers full 32- and 64-bit computing, mainframe-class reliability, availability and serviceability, and a Solaris application compatibility guarantee — Solaris applications run on the entire Sun product family, and Linux applications run on Solaris unmodified.

Customers needing even higher levels of security can take advantage of Trusted Solaris, a hardened version of Solaris that helps solve the increasing problems associated with securing information from both internal and external threats. Key features of Trusted Solaris include privilege and authorization mechanisms, role-based access control, mandatory/discretionary access control, profile mechanisms, role-based administration, trusted networking, scalable security, and much more. Additionally, Sun is dramatically increasing its investments in Solaris OS — including technical advancements, performance improvements, market development, marketing programs, and new channels — illustrating Sun's commitment to cost-effective computing based on innovation, value, and choice.

Organizations that wish to take advantage of a broad, x86-based hardware base can utilize Linux from Sun — standard distributions of Linux tightly integrated with its Sun ONE product family and Java valued-added software to complement the Solaris OS product line and extend the reach of our end-to-end infrastructure. Sun offers several Linux options, giving companies the freedom to choose the right platform for their business needs. By using standard Linux distributions, Sun's customers will have immediate access to the applications written to them. Additionally, standard Linux distributions support a broad hardware base and give customers the flexibility to choose the hardware platform.

*In Q2 2003, companies bought more Sun servers running the Solaris Operating System, than UNIX servers from any other vendor.**

* 42.8% UNIX Shipment Marketshare
Source: IDC Worldwide Quarterly Server Tracker, August 2003

A Scalable Server Product Family

Sun's broad, binary-compatible server product line provides the features organizations need to build world-class IT environments for hosting applications and services. A comprehensive line of powerful UltraSPARC and x86-based systems that scale from 1 to hundreds of processors and more than half a terabyte of main memory, Sun servers provide the outstanding scalability, availability, resource management, binary compatibility, and performance today's IT environments demand.

The leader in 64-bit computing for over nine years, Sun remains committed to innovative processor designs that aim to radically reduce the cost and complexity of network computing. Sun is working on new UltraSPARC processors that are built specifically to maximize throughput for network computing workloads. These chip multithreading (CMT) processors, which can execute tens of threads simultaneously, are being designed to revolutionize computing by enabling tremendous increases in data processing per second. Within two years, Sun plans to dramatically improve price/performance by delivering new UltraSPARC-based systems that can increase application throughput by 15 times. Beyond 2005, expect to see systems with 30 times today's performance.

Sun Cluster Software

With the high availability of data and services a critical necessity, clusters are an increasingly important tool for the data center. Clustering a group of nodes creates a platform that provides high availability and scalability to everyday Solaris applications through continuous network and data availability.

Integrated with the Solaris Operating Environment, the Sun™ Cluster software delivers superior application availability and performance through load balancing, automatic fault detection and failover — helping to keep mission-critical applications and services available when needed. The cluster software continuously monitors the health of cluster members and prevents a failing node from participating in the cluster to protect against data corruption. The cluster also monitors services and fails over to a designated standby node, restarting applications after hardware or software problems occur. Sun Cluster works together with these components to continue to provide the services even after a system has gone down. Sun Cluster software also allows multiple nodes in a cluster to handle growing numbers of simultaneous users. With Sun Cluster software, administrators can add or remove nodes from a cluster, and mix and match servers to meet specific needs.

Sun StorEdge Solutions

The Sun StorEdge™ Array product family is a comprehensive line of robust storage products. Sun StorEdge subsystems provide a host of capacities and support a variety of interfaces, from SCSI to Fibre Channel Arbitrated Loop (FC-AL). These storage systems can scale in capacity from 126 GB to over 200 TB.

Sun's family of storage systems also includes tape libraries, autoloaders and drives for backup and archive, such as the Sun Enterprise Tape Library™ 4/1000, a DLT library with a capacity of up to two terabytes, capable of storing 43 GB of compressed data per hour.

Sophisticated Management Tools

System management and administration has long been a difficult issue for organizations. Sun provides several sophisticated management tools that ease administration and help optimize the data center. These tools include:

- *Sun™ Management Center*, providing a single point of management for all Sun systems and the Solaris Operating Environment. Sun Management Center software provides a platform upon which the enterprise can base its administrative and management operations, helping make the systems and the services they provide highly available.
- *Solaris™ 9 Resource Manager*, enabling system managers to allocate resources within Sun servers among individual tasks and users in a structured, policy-driven fashion. With the S9RM software, administrators can, on a fine-grained basis, proactively allocate, control, and monitor system resources within a system or domain, enabling administrators to better predict and guarantee the level of service available to a particular task.

The Promise of N1

Companies know their infrastructures are made up of individual pieces: UltraSPARC- and x86-based systems, the Solaris Operating System and Linux from Sun, storage systems and appliances, applications and services, and more. Tying all those pieces together with Java makes the environment work, but challenges remain, including vast networks of servers and software components, escalating management costs, and pressure to reduce IT infrastructure costs and better manage service levels. Balancing these needs and finding ways to locate resources to run services is paramount.

Maximizing utilization requires N1 — an approach that allows data centers to be visualized and managed as a fabric of interconnected computing resources, rather than as a room filled with individual systems. N1 is Sun's vision, architecture, and products for the next-generation data center. It addresses the many problems that have to date hampered organizations in delivering true just-in-time computing. N1 virtualization and provisioning technology offer a new and innovative method for simplifying the deployment and management of complex computing resources. With N1, the focus is not on the individual servers and storage systems — it's on managing an IT infrastructure as a smoothly integrated whole. It's about making the data center behave as a single, unified system.

N1 is designed to reduce management complexity and cost, increase data center resource utilization, improve infrastructure responsiveness and agility, and ensure investment protection. Sun's operating systems give businesses multiple delivery mechanisms into the N1 environment. The operating systems become a part of the resource pool, and form a solid foundation for building an N1 infrastructure. Combined with a scalable hardware line and advanced software, the result is the right amount of resources in the right place, at the right time to meet the demands of a dynamic business.

Sun Infrastructure Solutions — Transforming Technology into Business Results

Solving challenging problems and getting IT assets under control requires a solid infrastructure that optimizes resources, yet can evolve to meet changing business demands. Infrastructure — the network computing foundation on which business applications and services are delivered — is more important than ever. Choosing the right combination of architecture, hardware, software, storage, methodology, and services is paramount if IT infrastructures are to change from being reactionary to strategic and proactive. Complexity is the enemy of any IT infrastructure, and organizations must find ways to deploy the right technologies and methodologies with consistency and simplicity.

Understanding this, Sun has created a series of Infrastructure Solutions that organizations can use to meet these challenges head-on. Sun Infrastructure Solutions are the essential system elements of the enterprise and network, and provide simple solutions to complex problems. Sun Infrastructure Solutions are architected, implemented and managed to reduce deployment risks. Using the SunTone design methodology and tested in Sun iForce Centers and customer environments around the world, each Sun Infrastructure Solution includes a reference architecture, best-practices methodology, sizing guide, financing and technology refresh services, and a potent combination of Sun Lifecycle services and support.

- *Sun Reference Architectures*

Sun's Reference Architectures combine technology products from Sun and best-in-class hardware and software providers to deliver an infrastructure that is tested and proven to meet specific business needs. Designed, tested, sized, and documented, Reference Architectures help to reduce the cost, complexity, and risk associated with designing and deploying new network infrastructures and revenue-generating services. By using a Sun Reference Architecture as a starting point for a customized solution, businesses can speed time-to-deployment and significantly reduce their TCO.

- *Sun Services*

Sun Services, teaming with partners, provides a continuum of expertise, technology, and global coverage to assess business needs, and implement and manage Sun Infrastructure Solutions to help organizations realize the full value of IT investments. Deep technology expertise, broad service offerings, and global experience serving enterprises makes Sun Services the best choice for companies looking to reduce the time, cost, and risk of transforming businesses with technology. For each Infrastructure Solution, Sun Services offers specific consulting, training, and pre-emptive support, providing the service offerings that meet business needs. Sun Services gets solutions up and running quickly and efficiently, and provides the operational support and management capabilities that help maximize service levels while minimizing costs.

- *The SunToneSM Initiative — Helping Achieve Service Quality Goals*

Sun Infrastructure Solutions give companies a solid solution design, architecture, and implementation. The final step in the quality of any solution is the operational management practices to meet service level agreements. Disciplined operations management practices, such as change management controls, are critical to service quality and availability. The SunTone Initiative certifies service delivery and management practices to validate quality against demanding service level agreements. The program provides best practices for IT service management that helps companies streamline operational practices and drive efficiencies up front, while addressing people and process requirements to meet on-going service delivery and management quality goals, such as availability, reliability, response times, and security.

- *iForceSM Ready Centers*

Sun's iForce Ready Centers enable customers to simulate real-world production environments in a risk-free setting. These centers enable customers to work jointly with experts from Sun and appropriate iForceSM partners to build and test proof-of-concept demonstrations and run pilot programs. Sun's iForce Ready Centers help organizations identify areas for improvement, validate their architectures, and accelerate the deployment of high quality IT Infrastructure Solutions.

- *iForce Partners*

Sun Infrastructure Solutions can be extended through the addition of components, applications, and services from Sun's market-leading, best-of-breed iForce Partners — independent software vendors (ISVs), original equipment manufacturers (OEMs), service providers, integrators, systems providers, solution resellers, and value-added resellers of Sun systems and Sun platform-based solutions. Sun understands the value of partners, and works with them to co-create, market, and deliver network computing solutions that reduce costs and increase customer satisfaction.

Sun's Commitment to Data Center Innovation

Success depends on building a flexible infrastructure. Sun believes that strong network computing platforms are essential to success, and continues to provide foundation-level products that help companies optimize their computing infrastructure and meet business requirements. Through its commitment to networking, client-server computing, UNIX[®], and open systems and standards, Sun consistently delivers robust, flexible, high performance servers, and state-of-the-art consolidation technologies that meet the needs of today's complex data center environments. The combination of Sun systems, the Solaris operating system, and key technologies like server virtualization, dynamic system domains, dynamic reconfiguration, and clustering technology join forces with third-party solutions to help organizations transform their data centers into less complex, more manageable, higher performance infrastructures that cost less to run.

Taking the Next Step

For most companies, waiting to make a migration decision is not a viable option. An enterprise that operates in standby mode simply postpones the inevitable and potentially increases business risk along the way. The journey away from Tru64 starts with a single step — assessing the organization's applications, processes, and technology to determine its ability to take advantage of the benefits of Sun solutions. This assessment includes the following:

- Conducting an inventory of current applications
- Assessing the potential business risk caused by the end of life of Tru64 environments in terms of loss of flexibility in IT applications and inability to create new services
- Creating a strategy to incorporate new systems to address risk and requirements
- Reading Sun's white papers, roadmaps, and blueprints to understand Sun products and technologies
- Contacting a local Sun or partner representative to arrange a short executive discussion related to Tru64 migration issues
- Signing up for a Sun migration workshop to determine the feasibility of migrating existing Tru64 applications and infrastructure to a Sun platform and estimate return on investment
- Signing up for a detailed Sun assessment of existing Tru64 applications and enterprise infrastructure, and obtain a migration analysis report, determination of level of effort required, and return on investment analysis

For More Information

To learn how to get the most out of Sun Infrastructure Solutions, sign up for an Infrastructure Solution Workshop that can help customize a specific solution and provide direction on tailoring an Infrastructure Solution to business environments. Table 1 identifies other sources of

information related to Sun products and service offerings. Organizations can also contact a local Sun sales representative to learn how Sun can help build competitive advantage with Sun Infrastructure Solutions that match application delivery needs from the workgroup to the data center.

Table 1: Web links for additional information on Sun products and service offerings.

Web Site URL	Description
http://www.sun.com/solutions/infrastructure/	Sun Infrastructure Solutions
http://www.sun.com/datacenter/migration/tru64	HP Tru64 to Solaris
http://www.sun.com/solutions/infrastructure/12_0.html	Sun Infrastructure Solution Workshop
http://www.sun.com/service	Sun Service Offerings
http://www.sun.com/service/sunps/platform/migration.html	Migration Services
http://www.sun.com/suntone	SunTone Certification and Branding Program
http://www.sun.com/iforce	Sun's iForce Initiative
http://www.sun.com/servers	Sun Hardware Servers
http://www.sun.com/solaris	Solaris Operating Environment
http://www.sun.com/linux	Linux from Sun
http://www.sun.com/storage	Sun Network Storage Solutions
http://www.sun.com/security	Sun Security Solutions
http://www.sun.com/sunone	Sun Open Net Environment (Sun ONE)

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