

## **NC04Q2 Overview for June 1, 2004 Product Announcements (U.S. List Prices, Product Availability Dates)**

### **New Software Momentum for Network Computer**

#### **Solaris(TM) 10**

Solaris 10 Operating System (OS) features the Dynamic File System, the industry's only self-healing, self-managing OS file system technology that provides 16 billion times more capacity than current file systems for virtually unlimited scalability. This is the fourth breakthrough Solaris technology introduced through the Software Express program following the introduction of N1(TM) Grid Containers, Predictive Self Healing and Dynamic Tracing earlier this year. All new features are delivered on industry standard AMD Opteron, Intel Xeon and scalable SPARC(R)-based systems. An estimated 80,000 users are currently previewing Solaris 10 through Software Express. For more information about Software Express or to download the software, go to: <http://www.sun.com/software/solaris/solaris-express/>.

*Pricing and Availability:* Solaris 10 is expected to be available worldwide in the fourth quarter of this year. Pricing will be announced at that time.

#### **Sun Java(TM) System RFID Software**

Sun Java System RFID Software, a standards-based RFID software solution available for the Solaris Operating System and Red Hat Linux, simplifies the integration of RFID data into enterprise information systems. Sun Java System RFID Software is the industry's only highly available RFID solution that can automatically adapt to changing operating environments, without requiring system downtime or special administration.

*Pricing and Availability:* Sun Java System RFID Software is available directly through Sun on an annual subscription basis that will allow customers to start small and scale as their RFID deployment needs grow. Exact pricing is determined based on a customer's specific environment and will include software, upgrades and customer support. The Sun Java System RFID Software for the Solaris Operating System is scheduled to ship in the summer of 2004 with Linux availability scheduled for the fall of 2004. Please contact a Sun sales representative for more information. Additional information on Sun Java RFID Software is available at [www.sun.com/rfid](http://www.sun.com/rfid).

#### **Sun Java(TM) Enterprise System 2004Q2**

The Sun Java Enterprise System 2004Q2, already available on the Solaris Operating System for SPARC(R) and x86 based systems, including Xeon and AMD Opteron systems, extends platform support to now include Red Hat Enterprise Linux with plans to support Windows and HP-UX platforms in the next upcoming release.

*Pricing and Availability:* In addition to its yearly subscription pricing of \$100 per employee, Sun is introducing a new per citizen per year subscription pricing model for less developed and least developed countries and regions with pricing ranging from \$0.33 to \$1.95 per citizen per year. The Java Enterprise System 2004Q2 is available for download now and will be generally

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available directly through Sun and Sun iForce(SM) partners. Free evaluation for 90 days is available for the Java Enterprise System or any of its component products. Sun also offers a no-hassle automatic term renewal each year based on the then current number of employees. Customers and partners wishing to learn more or download the Java Enterprise System can visit: <http://www.sun.com/partners/javaenterprisesystem>

### **Sun Java(TM) Desktop System 2**

The second release of the Sun Java Desktop System drives down the cost and complexity of managing a distributed desktop environment with new integrated management tools. Fourteen new ISVs also have certified their applications to Sun Java Desktop System 2, which also delivers a rich development environment for Linux and Java developers.

*Pricing and Availability:* Sun's Java Desktop System 2 is now available at 50 percent off its original price at an annual \$50 per desktop or \$25 per employee until December 31, 2004. The Java Desktop System can be purchased through Sun, its iForce partners or at the online store of America's largest retailer. For more information, visit <http://www.sun.com/javadesktopsystem>.

### **Sun Identity Management Products:**

Sun is announcing three new identity management products combining Sun's deep technology expertise with industry-leading software acquired from Waveset Technologies.

#### **Sun Java(TM) System Identity Manager**

The Java System Identity Manager is the first product in the market that combines both user provisioning and meta-directory capabilities – a trend analysts have been predicting. Java System Identity Manager securely manages identity permissions and profiles and provides identity synchronization services for identities across the enterprise.

#### **Sun Java(TM) System Access Manager**

The Java System Access Manager is designed to help customers manage secure access to both internal and external Web-based resources. With the introduction of the Java System Access Manager, Sun will lead the industry in the support of federation standards, including both Liberty Phase 2 and SAML 1.1 specifications.

#### **Sun Java(TM) System Directory Server Enterprise Edition**

The Java System Directory Server Enterprise Edition, a central repository for storing enterprise identity information, will be the first to deliver enterprise-level services such as built-in fail-over, load-balancing, security, and integration with Microsoft Active Directory.

*Pricing and Availability:* Scheduled for shipping in July 2004, Sun's identity management products are available as separately purchased components, designed to meet a customer's unique requirements. Pricing for the Sun identity management products varies depending on the particular products customers deploy and the complexity of their environment. Please contact a Sun sales representative for specific information.

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### **N1(TM) Grid Engine**

The new N1 Grid Engine 6 now addresses key needs for enterprise grid computing, such as more sophisticated policy management, which enables alignment of resource usage and business requirements depending on changing resource issues and business priorities. Also, this new product offering supports all major UNIX(R) platforms, including the Solaris and Linux operating systems for integration into enterprise grids and can support up to 10,000 systems in a single grid. More information available at <http://www.sun.com/software/gridware>

*Pricing and Availability:* The Right To Use (RTU license) prices start at \$10,000 one-time fee for a maximum 50 processors per one master and go up to \$150,000 for a maximum of 10,000 processors per one master. Multiple licenses must be acquired for multiple masters. N1 Grid Engine 6 also offers an easy to manage, enterprise-wide global RTU license for a maximum 120,000 CPUs with unlimited number of masters, priced at \$600,000. N1 Grid Engine 6 is slated to be available on June 4. For more information visit <http://sun.com/gridware>.

### **N1(TM) Grid Console**

The N1 Grid Console simplifies the management of containers and provides system administrators with a centralized console for easy, accessible management, as well as a better overview of what is deployed in their datacenter. The offering can also help lower costs by allowing administrators to manage more consolidated systems and helps customers take advantage of the predictive self-healing features in the Solaris 10 OS. More information available at <http://www.sun.com/n1>.

*Pricing and Availability:* The N1 Grid Console is priced and licensed on a per managed Solaris OS instance basis (also known as "per domain" or "per OS instance") starting at \$3,000. An Enterprise Management Server license for managing an unlimited number of nodes/domains from a single managed server is available for purchase for \$100,000. Availability for the N1 Grid Console is slated for June 18.

### **N1(TM) Grid Tool Kit**

The N1 Grid Tool Kit will provide developers with access to a free N1 Grid Service Provisioning System Developer License and N1 Grid Service Provisioning System Developer Guide to help them easily extend their existing applications for automated deployment via the N1 Grid System. More information available at <http://www.sun.com/n1>.

*Pricing and Availability:* The N1 Grid Tool Kit is available as a free download with only a nominal charge for shipping and handling. Developers will be able to place an order for the N1 Grid Tool Kit on June 1.

### **Sun Infrastructure Solution for N1 (TM)Grid for SAP Solutions**

The Sun Infrastructure Solution for N1 Grid for SAP Solutions is a mix of products, technologies and services that helps customers realize significant cost savings through the optimization of infrastructure in SAP solutions-based environments. The Sun Infrastructure Solution for N1 Grid for SAP Solutions provides customers the technology, methodology and guidance to help accelerate deployment of N1 Grid technology with reduced customization and faster time-to-value. More information available at

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<http://www.sun.com/products/architectures-platforms/refarch>.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **N1 Grid Blueprint**

The first N1 Grid Blueprint article "N1 Grid Architecture Realized: Strategic Flexibility" helps data center operators, solution architects and developers explore the properties, attributes, and potential routes to realize an N1 Grid system and achieve strategic flexibility. This article is a chapter from the forthcoming book, "Building N1 Grid

Solutions: Preparing, Architecting, and Implementing Service-Centric

Data Centers," which will provide specific examples of how to begin N1 Grid service implementations in a customer's environment.

*Pricing and Availability:* The article is available today through the Sun Blueprint website, with the book available in September. <http://www.sun.com/solutions/blueprints/online.html>

### **Sun Fire(TM) V20z Compute Grid Rack System**

The Sun Fire v20z Compute Grid Rack System leverages the power of Sun's Opteron-based Sun Fire v20z system. This new clustered solution is designed to improve compute resource utilization by up to 90 percent, reduce system deployment time from weeks or days to hours, and install operating systems on 32 nodes in under less than an hour. More information at <http://www.sun.com/grid>.

*Pricing and Availability:* The Sun Fire V20z Compute Grid rack system is currently available worldwide. Pricing for the system with terminal server, KVM, two Cisco 24-port Gbit-E switch, and 32 V20z compute nodes is \$170,000.

### **New Network Computing Components**

#### **Netra(TM) 440 Server**

The Netra 440 server, a four-way UltraSPARC® server running the reliable, enterprise-class 64-bit Solaris(TM) Operating System, offers telecom customers the best compute density (4P/5U) of any comparable server on the market today, enabling them to deploy more capacity and capability in a single rack while delivering unprecedented price- performance.

*Pricing and Availability:* The Netra 440 DC is now available worldwide. Starting at \$13,995, the Netra 440 costs nearly 50 percent less than HP's Itanium server and almost 75 percent less than HP's PA-RISC rugged servers.

#### **Sun StorEdge(TM) 3120 Array**

The new Sun StorEdge 3120 array stores over half a terabyte of NEBS-compliant storage in a ruggedized 1RU form factor, making it ideal for simple telecom applications.

*Pricing and Availability:* The StorEdge 3120 array is currently available ranging in price from \$5,000 to \$11,000.

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### **Sun StorEdge(TM) 3511 SATA Array**

Also NEBS-compliant and ruggedized for the telco environment, the Sun StorEdge 3511 SATA array delivers 70 percent more capacity than equivalent fibre channel storage at a price that is 50 percent lower per megabyte.

*Pricing and Availability:* The StorEdge 3511 SATA array available worldwide today ranging in price from \$27,000 to \$50,000 (with services if applicable for solutions).

### **Preventive Services Unveiled**

#### **Sun(SM) Preventive Services**

Sun Preventive Services is a new subscription-based network services delivery model aimed to help customers identify potential issues and deal with them before they affect uptime. The offering includes an integrated portfolio selected from more than 100 services capabilities now available at a single price for all Sun equipment in a customer's datacenter instead of traditional systems-based point services. Sun Preventive Services leverages innovative network-delivered services, such as Sun Net Connect and offers customers financial incentives of up to 20 percent off long-term service subscription costs for achieving computing goals.

*Pricing and Availability:* Sun Preventive Services are being rolled out worldwide beginning today and pricing varies according to individual customer need. For more information, please visit <http://www.sun.com/service/preventive>

### **New Reference Architectures and Solutions**

#### **Sun(SM) Reference Architecture for Cognos Enterprise Business Intelligence**

The Sun Reference Architecture for CEBI successfully unites multiple data sources into a single interface to provide customers clear visibility into operations, processes and performance.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

#### **Sun(SM) Collaboration Reference Architecture**

Scaling to 70,000 users, the Sun Collaboration Reference Architecture delivers anytime, anywhere Web portal access. Users can create a team workspace in less than 15 seconds, and can navigate, search or create in less than five seconds – improving coordination and response time without having to reinvent information.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

#### **Sun(SM) Grid Infrastructure Reference Architecture**

The Sun Grid Infrastructure Reference Architecture maximizes utilization and efficiency of enterprise-wide computational resources through the controlled management and sharing of resources. Upgraded with the Sun Fire(tm) V20z Opteron-based systems, the Sun Grid

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Infrastructure Reference Architecture provides 60-percent higher performance and 30-percent greater scalability.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Sun(SM) ERP Grid Reference Architecture for Oracle Database 10g**

Designed to address the need for low-cost computing on a commercial grid, the Sun ERP Grid Reference Architecture for Oracle Database 10g can provide up to 70-percent resource utilization for performing ERP transactions. With the database, application and Web server tiers contained in a single grid rack with rack-level control and management, the Sun ERP Grid Reference Architecture lowers total cost of ownership and increases database and application performance. Providing additional value, the Sun ERP Grid Reference Architecture for Oracle Database 10g uses Linux OS on Opteron and Xeon processor-based servers for low-cost horizontal scalability.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Sun(SM) Reference Architecture for Portal Solutions**

Organizations can reduce portal infrastructure deployment time by as much as 40 percent, while reaping a five-year ROI of 105 percent. Based on Sun's Java(tm) Enterprise System, the Sun Reference Architecture for Portal Solutions boasts 600 customers with 22 million licensed users.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Sun(SM) Intrusion Detection System Reference Architecture**

Designed to minimize business interruption by providing comprehensive intrusion detection capabilities for perimeter security, this Reference Architecture delivers high bandwidth of gigabit detection and provides actionable information organizations need to respond to attacks.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Sun(SM) Reference Architecture for Highly Available Application Services**

Providing superior service quality with five-9s availability, the Sun Reference Architecture for Highly Available Application Services enables enterprises to deploy a more secure and reliable Web infrastructure without the high cost of customized services. Providing a multi-layered security implementation based on the J2EE(tm) platform, the Sun Reference Architecture for Highly Available Application Services can lower cost of ownership by 50 percent.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Sun(SM) Voice Over IP (VoIP) Reference Architecture for Lucent Solutions**

The Sun VoIP Reference Architecture for Lucent Solutions provides a seamless and flexible

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portal to unify communications, helping organizations increase productivity and reduce costs.  
*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

### **Reference Architectures for China Market**

Seven of the new Reference Architectures were developed in collaboration with regional ISVs and system integrators based in the Asia Pacific region and deliver tailored offerings that address the unique needs of this market: Sun Enterprise Resource Planning Reference Architecture for Ufsoft; Sun Integrated Communications System Reference Architecture for WonderTEK; Sun Next Generation OSS Reference Architecture for Digital China Limited; Sun Real-Time Asset Management Reference Architecture for Savi Technologies and Sun Government Integrated Licensing Reference Architecture for EcQuaria.

*Pricing and Availability:* Available now upon consultation with Sun, and price varies according to individual customer need.

More information about Reference Architectures and Solutions available at <http://www.sun.com/integration>

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