



Sun Customer Ready Architected Systems

Sun Customer Ready architected systems are factory-integrated solutions that combine Sun's powerful and cost-effective server and storage products with leading infrastructure or application software to provide easy-to-order, fast-to-deploy, complete packages.

Sun Customer Ready Architected Systems at a Glance



Name	Sun Customer Ready Content Infrastructure System	Sun Customer Ready HPC Cluster	Sun Customer Ready Scalable Storage Cluster
Description	A complete data lifecycle management system	A high-performance computing cluster solution, suitable for commercial, research, education, or financial applications	A high-performance storage solution to support the demands of high-performance compute clusters for fast access to working data sets
Applicability	Ideal for document management, medical records, seismic and other geophysical data sets, and multimedia data: photo libraries and videos, enterprise content management (Web, email, digital data), open archiving for SAP, Siebel, Oracle®, in partnership with industry-specific archiving solutions	Ideal for customers deploying high performance computing (HPC) applications such as crash analysis, electronic design automation, and financial risk assessment, and for engineering and scientific research	Ideal for customers needing to deploy a scalable, high-performance, parallel file system to support a large cluster of compute nodes where high data-throughput rates and low-latency high-speed interconnects are required
Servers	One or two Sun Fire™ T2000 servers, 4-or 8-core 1-GHz UltraSPARC® T1 processor, 8- or 16 GB DDR2 memory, 2x 73-GB drives	Choice of Sun Fire™ x64 rackmount servers: Sun Fire X2100 M2, X2200 M2, X4100 M2, X4200 M2, or X4600 M2 servers, or Sun Blade™ modular systems: Sun Blade 6000, Sun Blade 8000, or Sun Blade 8000 P modular systems	Two-socket, quad-core, AMD Opteron processor-based, x64 Sun Fire x4500 server; two-socket, AMD Opteron™ processor-based, x64 Sun Fire X4200 server; and eight-socket, AMD Opteron processor-based, x64 Sun Fire X4600 server
Mass storage	Maximum of 120 TB total capacity, up to 4.8 TB online Fibre Channel disk storage, up to 120 TB mid-line SATA disk storage, up to 100-slot SL500 tape library	The Sun Customer Ready Scalable Storage Cluster is designed to provide high-performance, fast-access mass storage to support HPC clusters — see adjacent column	Entry-level system offers 48 TB storage, with unlimited incremental expansion capability. Maximum incremental expansion of 192 TB per single rack
Interconnects	Fibre Channel SAN switch	Multiple options, including Gigabit Ethernet and InfiniBand from vendors including Cisco and Voltaire	Voltaire ISR 9024
Software			
Operating system	Solaris™ 10 OS	Solaris 10 OS or Linux	Red Hat Enterprise Linux 4 u4
Infrastructure or application	StorageTek™ QFS shared file system software		Sun™ Lustre Object Storage and Meta Data Server software, Sun™ Lustre Client Software, Shared QFS Client for Linux
Environmental			
Form factor	1x or 2x 42U rack	One to multiple racks dependent upon configuration	Base system comprises 1x 42U rack, incremental expansion through multiple racks dependent on configuration
Support			
Warranty upgrade	All components can have warranty upgrade to support value to the business	All components can have warranty and support services	All components can have warranty and support services
Further information			
Web address	sun.com/servers/cr/contentinfrastructure	sun.com/hpccluster	sun.com/scalablestorage



Name	Sun Customer Ready Visualization System	Data Warehouse Appliance by Sun and Greenplum	Sun Message Security Solution for Symantec Brightmail Software
Description	A complete visualization solution that delivers immersive and remote visualization	A high-performance data warehouse solution at a highly competitive price	A plug-and-play appliance that filters out unwanted incoming spam and other malware with incredible performance and accuracy
Applicability	Ideal for customers needing to visually interpret large data sets such as rapid design prototyping, seismic and reservoir modeling, biomedical and nanoscale research, and military and civilian training	Ideal for customers who need an enterprise data warehouse or data mart for finance and performance management, customer management, and supply-and-demand chain management with outstanding price/performance	Ideal for any organization that needs to speed up operations in their antispam environment, and address viruses, worms, Trojan horses, and phishers
Servers	Choice of UltraSPARC processor-based servers and workstations with Sun XVR-600, Sun XVR-1200, and Sun XVR-2500 graphics accelerators, or x64 servers and workstations with NVIDIA Quadro FX or Quadro Plex VCS graphics solutions	One Sun Fire X4200 server, and a variable number of Sun Fire X4500 systems, depending on the data warehouse size desired	Sun SPARC Enterprise T5120 server, or the Sun SPARC Enterprise T2000 server
Mass storage	Dependent upon customer requirements	Starting at 24 TB of storage via one Sun Fire X4500 server, expandable to almost unlimited capacity depending on the number of systems included	Storage available on the servers; no external storage required
Interconnects	Sun InfiniBand switch and Sun InfiniBand Host Channel Adapter (HCA) PCIe, Voltaire InfiniBand switches and support for select third-party InfiniBand interconnects	Cisco Gigabit Ethernet	N/A: is a single box only
Software			
Operating system	Solaris 10 OS or Linux	Solaris 10 OS	Solaris 10 OS
Infrastructure or application	Sun Shared Visualization software for remote visualization and collaboration. Sun Scalable Visualization software to deploy a cluster of Sun systems with graphics accelerators for multi-display environments and parallel rendering	Greenplum database software	Symantec Brightmail antispam software
Environmental			
Form factor	One to multiple racks dependent upon configuration	One rack or larger, depending on amount of storage desired	Single server, with software preinstalled
Support			
Warranty upgrade	All components can have warranty and support services	All Sun components can have warranty and support services. Non-Sun products are supported separately	All components can have warranty and support services
Further information			
Web address	sun.com/visualization	sun.com/solutions/landing/infrastructure/dwa	sun.com/brightmail

> For more information go to: sun.com/customerready



Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 USA Phone 1-650-960-1300 or 1-800-555-9SUN Web sun.com

© 2007 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, Solaris, StorageTek, Sun Blade, and Sun Fire are trademarks or registered trademarks of Sun Microsystems, Inc., in the United States and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc. AMD, the AMD Arrow logo, AMD Opteron, HyperTransport, and combinations thereof are trademarks of Advanced Micro Devices, Inc. Oracle is a registered trademark of Oracle Corporation. Information subject to change without notice. SunWIN #517908 Lit. #SYOT13553-0 10/07