

Sun™ Cluster Software and HP StorageWorks Storage Interoperability

High Availability Mission-Critical Application Services



HP StorageWorks EVA4000/6000/8000

Highlights

- Investment protection in HP storage arrays
- Expanded choice of well-tested HP storage, EVA4000/6000/8000, XP12000/10000. for Sun™ Cluster software deployments
- High quality through rigorous testing
- High availability with quality stamp from both Sun and HP
- Joint interoperability matrix with HP storage providing clarity on the architecture at a component level www.sun.com/clusters/osp
- Cooperative support for deployment and service
- Remotely power systems on and off, access remote console



Sun's Open Storage Program provides customers with expanded choices in supported third-party storage arrays, such as HP StorageWorks Enterprise Virtual Arrays and HP StorageWorks XP Disk Array Systems with Sun™ Cluster software. This means that customers who have invested in HP storage infrastructure and want to use Sun Cluster for 24x7 application availability can do so easily and seamlessly. To meet stringent demands for high availability in a heterogeneous data infrastructure, Sun establishes a direct relationship with industry storage vendors through the Sun Cluster Open Storage Program, which makes sure storage arrays are interoperable with the Solaris™ Operating System (OS) and Sun Cluster software. Customers can protect their storage investments, while leveraging all of the software functionality and associated benefits of tested and proven Sun Cluster software.

The Sun Cluster Open Storage Program

The Sun Cluster Open Storage Program manages the relationship with industry storage array vendors to help them certify their storage arrays with Sun Cluster software and the Sun Solaris I/O stack. The program's key objective is to offer joint interoperability, high-availability solutions from Sun and storage partners for customers that prefer a non Sun storage partner for their data infrastructures. Sun and HP support services cooperate to assist customers with post-deployment interoperability issues.

The program is managed through a company-wide business office at Sun, enabling storage partners to discuss various Sun solutions within the context of Sun Cluster software. This program helps both Sun and HP deliver on specific customer and market demands with higher quality and confidence. The program clearly establishes the Sun and HP commitment to well-tested and well-supported Sun Cluster software configurations. In addition, the program provides a framework for Sun and HP to discuss joint configurations, exchange quality and testing methodologies, and resolve interoperability issues to help their customers succeed.

“In today’s diverse IT climate, customers want increased choice in configurations without compromising on availability and quality. With the Sun Cluster Open Storage Program, customers now enjoy a wider choice of storage arrays that seamlessly interoperate with Sun Cluster. The program enforces high quality and joint support giving customers the assurance that their Sun Cluster deployments will continue to deliver unmatched levels of high availability.”

Tom Goguen

Vice President of Marketing, Operating Platform and Products, Sun Microsystems

Sun offers the Sun Cluster Automated Test Environment (SCATE) to HP for testing. Then, Sun and HP audit the test results together before announcing the interoperability of joint configurations. A joint interoperability matrix is instrumental in architecting a high-availability solution with clarity and confidence.

Sun’s open I/O stack for heterogeneous interoperability

Based on the Solaris OS, Sun’s I/O stack consists of multipathing Sun StorEdge™ Traffic Manager software, Sun Fibre Channel firmware, Solaris Volume Manager, and Sun file systems. This open I/O stack reduces software licensing, support, and administrative costs by providing multipath access, I/O load balancing, automatic path failover and fail back, and automatic Logical Unit (LUN) detection and creation without rebooting, increasing high availability. Sun consolidates disparate host bus adapter (HBA) and driver stacks into a single stack, helping to reduce costly storage area network (SAN) ports by eliminating the need to support multiple disparate driver stacks on Sun servers running the Solaris OS.

Continuously expanding choice

In addition to validating configurations, the program helps ensure a continuous partner engagement focusing on the success of customers using non Sun storage vendors with Sun Cluster software. The process includes analysis for future business requirements that can then become the criteria used by Sun and HP to determine the next set of configurations that are evaluated, tested, and validated with Sun Cluster software. The process also expedites Sun Cluster software support for new features in hardware and software from Sun and other storage vendors.

A higher degree of confidence

Sun offers a spectrum of services to help customers deploy highly available, mission-critical applications. As part of the Sun Cluster Open Storage Program, certified and tested configurations are cooperatively supported by Sun and HP via the Technical Support Alliance Network (TSANet), an industry-standard, nonprofit, vendor-neutral, worldwide community that allows for cooperative support between its members in facilitating call transfers. Customers who deploy the configurations in the interoperability matrix can do so with a higher degree of confidence, knowing both Sun and HP are cooperating to resolve their issues.

“HP has long recognized the importance of high-availability solutions for business-critical environments. HP also recognizes that participating in the Sun Cluster Open Storage Program helps ensure that our joint customers will get the best functionality, performance, and support possible.”

Duncan Campbell

Vice President, HP StorageWorks WW Marketing

Conclusion

It is clear that investments by Sun and HP in overall quality and support of Sun Cluster software can be a competitive differentiator for customers deploying high-availability environments to support demanding service levels. With the Sun Cluster Open Storage Program, customers can choose to implement HP arrays in Sun Cluster environments with the same outstanding quality, predictability, and support as deployments with Sun storage products.

Interoperability matrix with HP storage

Please refer to the Interoperability Matrix for Sun Cluster software and HP arrays at www.sun.com/cluster/software/osp. Sun Spectrum™ Gold or Platinum service is required. Please contact a Sun Sales Representative for the latest updates and details.

Get the details

To learn more about the Sun Cluster Open Storage Program, visit www.sun.com/clusters/osp.

To learn more about Sun Cluster Software, visit www.sun.com/software/javaenterprisesystem/availabilitysuite/index.xml.

To learn more about the HP StorageWorks products go to www.hp.com/go/storageworks.



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

©2006 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, SunSpectrum, Solaris, N1, and Sun StorEdge 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. Information subject to change without notice.



SUNWIN#456068 05/06