



Sun™ Cluster Software and Engenio Storage Interoperability

High Availability, Mission-Critical Application Services

Highlights

- Investment protection in Engenio storage arrays
- Expanded choice of well-tested Engenio storage for Sun™ Cluster software deployments
- High quality through rigorous testing
- High availability with quality stamp from both Sun and LSI
- Joint interoperability matrix, Engenio storage provides clarity on the architecture at component level
- Cooperative support for deployment and service



Sun™ Cluster software is the industry's premier availability platform for improving the predictability and resilience of business-critical applications. Sun Cluster software and its associated flexible configurations are designed and tested to deliver the high availability demands of a 24 x 7 global economy. To meet these stringent demands in a heterogeneous data infrastructure, Sun established a direct relationship with industry storage vendors through the Sun Cluster Open Storage Program. It provides customers with an expanded choice of industry storage arrays that are interoperable with Sun Cluster software. This enables customers to protect their storage investments, while leveraging all of the software functionality and associated benefits of Sun Cluster software.

Sun Cluster Open Storage Program

This business program manages the relationship with industry storage array vendors to help them certify their products with Sun Cluster software and the Solaris™ Operating System (OS) I/O stack. The program's key objective is to offer joint interoperability, high-availability solutions from Sun and storage partners for customers who prefer a non Sun storage partner for their data infrastructure. Sun and LSI support services cooperate to assist customers in solving 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 also helps Sun and LSI partners to deliver on the specifics of customer and market demands with higher quality and confidence. The program clearly establishes the commitment of Sun and LSI to deliver well-tested and well-supported Sun Cluster software configurations.

In addition, the program provides a framework for Sun and LSI to discuss joint configurations, exchange quality and testing methodologies, and resolve interoperability issues to promote the success of joint customers. Sun offers

the Sun Cluster Automated Test Environment (SCATE) to LSI for testing. Sun and LSI audit the test results together before announcing the interoperability of joint configurations. The 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 open I/O stack consists of multipathing software, Sun StorEdge™ Traffic Manager, Sun Fibre Channel (FC) firmware, Solaris Volume Manager, and Sun file systems. Sun's open I/O stack reduces software licensing, support, and administrative costs by providing multipath access, I/O load balancing, automated 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.

“Both Sun and LSI understand the vitality of having mission-critical information available around the clock. LSI systems and Sun Cluster software are becoming increasingly ubiquitous and availability requirements are continuing to rise. Providing a guaranteed solution that is easily integrated is essential for end customers, underscoring the importance of our participation in the Sun Cluster Open Storage Program.”

Julie Ryan

Director of Alliances, LSI Logic

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 the storage vendor 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 both 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 the associated storage vendor via the Technical Support Alliance Network (TSANet), an industry-standard, non-profit, and vendor-neutral worldwide support alliance community that encourages cooperative support between its members in facilitating call transfers. Customers who deploy configurations in the interoperability matrix can do so with a higher degree of confidence, knowing that both Sun and the storage vendor are cooperating to resolve their issues.

Conclusion

It is clear that the investment made by Sun and LSI 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 non Sun arrays in a Sun Cluster environment with the same outstanding quality, predictability, and support as deployments with Sun storage products.

Interoperability matrix with Engenio storage

Please refer to the Interoperability Matrix for Sun Cluster software and Engenio arrays located at: www.sun.com/cluster/software/osp/Engenio_interop.html/. SunSpectrum™ 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/software/cluster/osp/.

“With LSI participation in the Sun Cluster Open Storage Program, LSI and Sun are providing customers with expanded choice in the enterprise market to deploy high-availability solutions. By combining our technologies and support, users have a tremendous opportunity to take advantage of the high availability offered on the Solaris OS with Sun Cluster. Our reseller partners can grow their business by offering these high availability solutions and services.”

Jim Sangster

Director of N1 Software Marketing, Sun Microsystems

Serious software made simple

Sun provides a complete portfolio of affordable, interoperable, and open software systems designed to help you maximize the utilization and efficiency of your IT infrastructure. Built from the secure, highly available foundations of UNIX® and Java, these systems deliver implementations that are preintegrated and backward compatible. Sun’s portfolio consists of Solaris and Linux software for SPARC® and x86 platforms, Sun N1™ software, and the Sun Java System.

The Java System is a radical approach that changes forever the way businesses acquire, develop, and manage software. Only Sun has the experience and the end-to-end portfolio to deliver such a unique and industry-revolutionizing strategy. With the Java System, network services and critical business applications are up and running faster, easier, and at a lower cost than ever before, so you can focus on innovation, competition, and bottom-line results.

Learn More

Get the inside story on the trends and technologies shaping the future of computing by signing up for the Sun Inner Circle program. You’ll receive a monthly newsletter packed with information, plus access to a wealth of resources. Register today at sun.com/joinic.



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