



Sun™ Cluster Software and EMC Storage Interoperability

A joint solution from Sun and EMC for high-availability, mission-critical application services.

Highlights

- Investment protection in EMC storage arrays
- Expanded choice of well-tested EMC storage for Sun Cluster software deployments
- High quality through rigorous testing
- High availability with quality stamp from both Sun and EMC
- Joint interoperability matrix with EMC storage providing clarity on the architecture at a component level
- Cooperative support for deployment and service
- To learn more about the Sun Cluster Open Storage Program, visit www.sun.com/clusters/osp



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 on the high-availability demands of a 24 x 7 global economy. In order to meet these 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. This program provides customers with an expanded choice of industry storage arrays that are interoperable with Sun Cluster software. Customers can protect their storage investments, while leveraging all of the software functionality and associated benefits from Sun Cluster software.

The Sun Cluster Open Storage Program

This business program manages the relationship with storage industry vendors to help certify storage arrays with Sun Cluster software and the Solaris™ Operating System I/O stack. The key objective of the program is to offer joint interoperability, high-availability solutions from Sun and the storage partner for customers that prefer a non Sun storage partner for their data infrastructures. Sun and EMC 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. EMC offers cross-functional resources to support this program as well as state-of-the-art business continuity solutions, such as EMC SRDF remote replication with Sun Cluster software. The Sun Cluster Open Storage program helps Sun and EMC deliver on the specifics of customer and market demands with higher quality and confidence. It also clearly establishes the commitment from Sun and EMC for well-tested, well-supported Sun Cluster software configurations.

The program provides a framework for Sun and EMC to discuss joint configurations, exchange quality and testing methodologies, and resolve interoperability issues for the success of the joint customer. Sun offers Sun Cluster Automated Test Environment (SCATE) testing and audits the test results 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 — cost savings and higher quality with wide choice

Sun's open I/O stack based on the Solaris OS consists of multipathing software (Sun StorEdge™ Traffic Manager software), 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 LUN (Logical UNit) detection and creation without rebooting, increasing high availability. Sun consolidates disparate HBA (host bus adapter) and driver stacks into a single stack, helping to reduce costly storage area network (SAN)

“The high-availability characteristics of a clustered environment make it a key component of a customer’s information life cycle management strategy. EMC’s participation in the Sun Cluster Open Storage Program further provides our mutual customers with assurances of greater interoperability and joint support.”

Don Swatik

Vice President of Global Solutions, EMC

“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, Software Systems Marketing,
Sun Microsystems

ports by eliminating the need to support multiple disparate driver stacks on Sun servers running the Solaris Operating System. Sun Cluster software is also integrated with EMC PowerPath, providing customers with a choice in multipathing software.

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. Sun and EMC support the joint configurations tested through this program via a cooperative support agreement. Customers that deploy the configurations in the interoperability matrix can do so with a higher degree of confidence, knowing both Sun and EMC are cooperating to resolve their issues.

Conclusion

It is clear that Sun’s investment in overall quality and support of Sun Cluster software can be a competitive differentiator for customers deploying high-availability environments to

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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 EMC Storage

Please refer to the Interoperability Matrix for Sun Cluster software and EMC arrays located at: www.sun.com/cluster/software/osp/emc_interop.html/. SunSpectrumSM 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.

Additional details can also be found at www.emc.com/sun



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