

Sun™ Cluster Software and Fujitsu Storage Interoperability

A Joint Solution for High-Availability, Mission-Critical Application Services



Highlights

- Investment protection in Fujitsu ETERNUS storage systems
- Expanded choice of well-tested Fujitsu ETERNUS storage systems for Sun Cluster software deployments
- High quality through rigorous testing
- High availability with quality stamp from both Sun and Fujitsu
- Joint interoperability matrix with Fujitsu ETERNUS storage systems, providing clarity on the architecture at a 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. The software and associated flexible configurations are designed and tested to deliver on the high-availability demands of a 24x7 global economy. To deliver high availability in a heterogeneous data infrastructure, Sun establishes direct relationships with industry storage vendors through the Sun Cluster Open Storage Program. This offers customers an expanded choice of industry storage arrays that are interoperable with Sun Cluster software. The goal is to enable customers to protect their storage investments, while leveraging all of the Sun Cluster functionality and associated benefits.

The Sun Cluster Open Storage Program

This business program manages the relationship with industry storage array vendors to help certify their storage array products with Sun Cluster software and the Solaris™ Operating System I/O stack. The program's key objective is to offer joint interoperability, high-availability solutions to customers who prefer to use a non Sun storage product for their data infrastructures. Sun and Fujitsu support services cooperate to assist customers with post-deployment interoperability issues.

The Sun Cluster Open Storage Program is managed through a company-wide business office at Sun, enabling the storage partner to discuss various Sun solutions within the context of Sun Cluster software. This helps Sun and Fujitsu deliver on the specifics of customer and market demands with higher quality and confidence. The program clearly establishes the Sun and Fujitsu commitment to produce tested and supported configurations of Sun Cluster software and Fujitsu ETERNUS storage systems.

In addition, the program provides a framework for Sun and Fujitsu to discuss joint configurations, exchange quality and testing methodologies, and resolve interoperability issues. The Sun Cluster Automated Test Environment (SCATE) is offered to Fujitsu for testing. The two companies audit the test results together before announcing configuration interoperability. 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 open I/O stack consists of multipathing Sun StorEdge™ Traffic Manager software, Sun Fibre Channel (FC) firmware, Solaris Volume Manager, and Sun file systems. The 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 for multiple disparate driver stacks on Sun servers running Solaris.

“Fujitsu’s commitment is to keep offering highly reliable, enterprise-class storage systems to customers operating in mission-critical environments. We are very excited to have opportunities to offer our ETERNUS storage systems and Sun Cluster software together to demanding customers with the highest degree of confidence.”

Koichi Ueda

Senior Vice President, Storage Systems Unit, Fujitsu Limited

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 may 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 associated storage vendors via the nonprofit Technical Support Alliance Network (TSANet), an industry-standard, vendor-neutral, worldwide support alliance community that promotes cooperative support between its members in facilitating call transfers. Customers deploying 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 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 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 that utilize Sun storage products.

Interoperability matrix with Fujitsu storage

Please refer to the Interoperability Matrix for Sun Cluster software and Fujitsu ETERNUS storage systems at www.sun.com/cluster/software/osp. SunSpectrum™ Gold or Platinum service is required. Please contact a Sun Sales Representative for the latest updates and details. Additional details can also be found at www.fujitsu.com/global/support/computing/storage.