Solaris™ Cluster

The Most Advanced Availability Solution on the Planet

Highlights

- Freely available software extends the proven availability features of the Solaris™ 10 Operating System
- Integrated disaster recovery/business continuity solution delivers local, campus/metropolitan, and worldwide cluster capabilities
- Supports an industry-leading portfolio of commercial and open source applications, including Oracle Database 10*g* and PostgreSQL
- Certified for use on a broad range of storage arrays and industry standard SPARC and x64/x86 platforms
- Provides a new easy-to-use system administration interface

World's only truly integrated clustering software

Solaris Cluster is the industry's premier availability platform for improving the predictability and resilience of business-critical applications. Solaris Cluster is integrated with the Solaris 10 Operating System kernel to deliver support for unique features such as Solaris Containers, Predictive Self-Healing, and Solaris ZFS. This kernel integration results in more reliable and faster failover of mission-critical applications across any distance, whether within your datacenter or across the planet. Solaris Cluster provides a variety of levels of availability to suit the evolving needs of any datacenter — from simple local clustering, to campus/metro clustering, to worldwide disaster recovery.

Support for the widest portfolio of applications

Solaris Cluster offers a comprehensive portfolio of commercial and open source applications supported through agents from Sun. These agents are designed to manage and ensure an application's operations. An agent starts, stops, and monitors the application's health, taking corrective action to maintain application availability in the event of software or hardware failures. Sun and third-party software vendors have created a large number of prebuilt agents for popular applications such as Oracle, Siebel, SAP, Sybase, Sun Java™ Enterprise System, and many more.

The new Solaris Cluster Advanced Edition for Oracle RAC makes it easier than ever to manage Oracle Database 10*g* RAC databases. In the event that an enterprise uses custom or home-grown applications, Solaris Cluster also comes with an easy-to-use toolkit that is designed to help the enterprise create custom agents to support these applications.

Open choice in storage and hardware

Solaris Cluster is certified for use on a broad range of industry-standard hardware and storage arrays for highly available, mission-critical applications. Full support for AMD Opteron™ x64 and Sun UltraSPARC® T1 processor- based systems running the Solaris 10 OS enables enterprises to utilize high-performance/low-cost servers in Solaris Cluster configurations.

Ease of use

Solaris Cluster includes a number of new features designed to simplify administration and management:

- A new easy-to-use command line interface simplifies administration, minimizing human errors.
- Oracle Database 10g integration makes it easier than ever to setup Oracle RAC-based high-availability solutions.
- A new flexible IP address scheme allows for a reduced range of IP addresses, facilitating integration of Solaris Cluster environments into networks with limited space.

- A new dual-partition software update feature simplifies the upgrade process — any component(s) of the software stack, along with Solaris Cluster, can be upgraded in one step, including the Solaris OS, file systems, volume managers, and applications. This means that the ever present risk of human error is lowered during complex cluster upgrades when compared to a classic cluster upgrade.
- Solaris Live Upgrade can now be used with Solaris Cluster to help minimize system downtime during upgrades and avoid unnecessary reboots. Solaris Live Upgrade also reduces the required maintenance window and improves availability of the overall environment.

Extended Solaris OS availability

Solaris Cluster leverages existing, proven Solaris 10 OS availability features to automatically increase overall system availability. Solaris Cluster integrates tightly with the Solaris 10 Predictive Self-Healing framework and allows Service Management Facility (SMF)-controlled applications to be automatically integrated within the Solaris Cluster. This means that moving applications from a single-node Solaris 10 environment to multinode Solaris Cluster can dramatically increase availability with little or no system administrator or developer intervention.

Solaris Cluster also supports Solaris ZFS as a failover file system. Solaris ZFS and Solaris Cluster offer a best-in-class file system solution combining high availability, data integrity, performance, and scalability to meet the needs of the most demanding environments.

For customers already using Solaris Containers, Solaris Cluster now offers expanded support for clustering individual Solaris Containers. This provides the additional benefits of application fault and security isolation combined with the increased availability offered by Solaris Cluster.

Sun continues to deliver on over 20 years of OS innovation through the delivery of the world's most advanced disaster recovery/business continuity solution with the Solaris 10 OS. Customers requiring 24x7 access to their applications and data can get Solaris Cluster as a freely available download for all Solaris 10 supported hardware platforms, including over 700 x64/x86-based systems.

Download Solaris Cluster now at sun.com/cluster

Learn More

To learn more about disaster recovery and business continuity with Solaris Cluster, visit sun.com/solaris/cluster.

For additional information on the Solaris 10 OS, visit sun.com/solaris.

About Sun

A singular vision, The Network is the Computer™, drives Sun in delivering industry-leading technologies that focus on the whole system — where computers, software, storage, and services combine. With a proven history of sharing, building communities, and innovation, Sun solutions create opportunities, both social and economic, around the world. You can learn more about Sun at sun.com.

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