ORACLE SOLARIS CLUSTER, ENTERPRISE EDITION

In a blink of an eye your core business services could be down due to hardware or software failures. If your enterprise is not prepared you can suffer staggering losses and possibly fines for your services being down.

With high availability solutions from Oracle your mission critical services can be back online in seconds after these failure. Oracle delivers an integrated, pretested high availability and disaster recover infrastructure for your Oracle Solaris environments.

- Application to disk integration
- Accurate and fast failure detection and recovery
- Secure high available virtualized environments
- Local cluster high availability scaling to global disaster recovery
- Support for the largest portfolio of mission-critical applications

High Service Level, Minimized Downtime

High service level can only be achieved by a reliable solution. Business loss can increase dramatically with each minute of downtime. The capability to detect a failure on the spot even under heavy workloads is a must. Oracle Solaris Cluster is the only HA solution for Oracle Solaris integrated at the kernel level which allows recovery to start within a second. It monitors all servers, storage, network components, operating system, virtual machines, and applications and executes policy-based and application specific recovery actions. It provides much faster failure notification, application failover, and reconfiguration time, significantly reducing end-to-end services recovery time.

Oracle Solaris Cluster is designed to fully leverage the built-in reliability features of Oracle Solaris, such as its Predictive Self Healing framework and the Service Management Facility. The much faster failure detection to recovery is made possible by the deep integration of the product features with Oracle Solaris, Sun servers and storage systems. The complete solution is extensively tested to enhance reliability and minimize downtime.

Lower Capex and Opex in Lower Risks

The benefit of virtualization technologies is simple: secure consolidation to lower expenses. Oracle Solaris offers industry-leading technologies that allows multiple private execution environments to be created within a single instance of the OS. It allows the option of complete isolation of the applications with separate namespaces and specific administrator domains.

Oracle Solaris Cluster delivers advanced and unique integration with Oracle Solaris Containers through the creation of multiple virtual clusters composed of Oracle Solaris Containers for
multi-tier applications and databases to consolidate in full isolation within shared clusters of hardware. This integrated virtualization and HA platform optimizes hardware compute resource utilization while reducing software expenses.

The potential risks associated with virtualization are mitigated. Oracle Solaris Cluster protects applications running in Solaris Containers at all levels. Not only does it monitor the physical server and the Oracle Solaris Containers, it also controls the applications within the Oracle Solaris Containers and restarts them as needed. This configuration option protects services from application failures, VM failures, as well as physical failures, from planned and unplanned downtime.

**Business Agility in Elastic, flexible HA Environment with Choices**

Oracle Solaris Cluster is the most comprehensive HA and DR solution that supports the largest portfolio of applications on Sun SPARC and x86 servers in traditional and virtualized clusters for fault isolation, security isolation, and resource management. It runs across a broad spectrum of Oracle technologies, connecting all components for an orchestrated high availability solution.

Oracle Solaris Cluster fits in extremely well with Oracle’s optimized solutions, a unique Oracle offering of a complete technology stack with engineering, tuning, and collaboration done at every level. Oracle Solaris Cluster is the HA component in this environment for Oracle E-Business Suite, PeopleSoft Human Capital Management, and Siebel Customer Relationship.

For global enterprises, Oracle Solaris Cluster broadens its HA and virtualized solutions using a redundant and secure infrastructure between distant clusters. In case of a complete site disaster or planned maintenance, the whole consolidation can be moved over to a remote, secondary site to allow continuation of mission critical business services.

Oracle Solaris Cluster also provides the capability to failover application data and services across a campus or metropolitan area to limit service outages due to local problems, minimizing human error and improving recovery time and overall services availability.

From simple cluster high availability to multi-site disaster recovery, our goal is to enable business agility of our customer’s services in an elastic and flexible environment that is not only supported, but actually pre-tested.

**Script-free Deployment and Ease of Management**

Oracle Solaris Cluster is easy to deploy. The integration with the extensive list of leading applications is ready to run in the Oracle Solaris Cluster infrastructure. A GUI is also available to allow customers to add their custom applications. No additional scripting or development is needed. The built-in wizard for setting up configuration further accelerates the deployment by advanced users and limits errors for novice users.

The Oracle Solaris Cluster architecture is comprehensively designed. Its integration with Oracle Enterprise Manager Ops Center delivers automated cluster topology discovery, cluster provisioning, and full orchestration of cluster-wide patching and configuration updating. Together with new management options such as the cluster validation tool extensions for common installation and configuration errors detection and new wizard for Oracle 11gR2, it has never been easier to set up and operate Oracle Solaris Cluster in higher confidence.

With the qualification with Oracle Solaris Trusted Extensions features, customers receives enterprise-grade, multi-level security protection for mission critical applications.
What's New in Oracle Solaris Cluster

Oracle Solaris Cluster continues to qualify on leading technologies. Included in the most recent release are:

- New options in the storage area including integration of Oracle ACFS
- Full support of Sun ZFS storage appliance as a NAS device, in addition to the Fiber Channel and iSCSI options
- Integration with new versions of SAP, IBM WebSphere, Apache Tomcat, SWIFT Alliance Access and Gateway, and Oracle Database configurations
- Oracle Solaris Containers clusters qualification with additional applications such as SAP, Sybase, and DNS and file sharing options among virtual clusters
- ZFS storage pools can be used with storage-based replication solutions such as EMC SRDF and Hitachi Universal Replicator
- Oracle DataGuard integration for automated DR management now supports Single Instance databases in addition to RAC
- Oracle single-instance database in 3-site topologies, combining benefits of metro-clustering and geographic separation

Find out more information about Oracle Solaris Cluster’s Features and Systems Requirements.

Oracle Solaris Cluster Services

Oracle offers a portfolio of services that range from implementation of application data services, comprehensive testing, to verification and knowledge transfer, for a complete clustered solution with optimal performance and productivity. For more information, visit http://oracle.com/us/support/systems/advanced-customer-services/061665.pdf.

Oracle Premier Support for Oracle Solaris Cluster lowers the total cost and risk of owning your Oracle solutions, improves the return from your IT investment, and optimizes the business value of your IT solutions.

Contact Us

For more information about Oracle Solaris Cluster, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment.

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