

Sun Solaris Cluster

Campus Topology and Geographic Edition with EMC SRDF



- > Sun Solaris Cluster campus topology provides rapid application resumption with automated site failover resulting from a primary site outage with up to 200km in distance between sites with SRDF/S.
- > Sun Solaris Cluster Geographic Edition manages SRDF replication between Solaris Cluster sites of unlimited distance, enabling business continuity, even through large disasters.

SRDF with Solaris Cluster campus topology can benefit application environments which include but are not limited to the following: Oracle (non RAC) and Application Server, SAP, Sybase, Siebel, and IBM DB2.

EMC SRDF with Solaris Cluster Geographic Edition enables independent geographically dispersed Solaris Clusters to provide automatic failure detection with semi-automated failover of applications up to 200km in distance between sites with SRDF/S, and now unlimited distance between sites with SRDF/A.

These disaster tolerant solutions are built on Sun's industry leading Solaris Cluster software, a multi-system solution that manages the availability of application services and data across local, regional, and geographically dispersed datacenters.

Sun Solaris Cluster provides high availability and global disaster recovery to suit the evolving needs of virtually any datacenter in any industry: across local distances, campuses or metropolitan areas, and across the world, ensuring business continuity without compromise.

EMC SRDF is an online, host independent, mirrored data storage solution that duplicates production site data to one or more physically separate target Symmetrix systems. Systems can be across the room, around the globe, or anywhere in between. Wherever their location, SRDF Family based business continuance solutions enable your business to realize 24/7/365 revenue generation and uninterrupted customer service capabilities for increased competitive advantage.

SRDF offers the highest performance, most robust, synchronous and asynchronous replication solutions available. It is the optimal replication solution when service levels require zero data loss exposure using SRDF/Synchronous, or minimal data loss exposure using SRDF/Asynchronous.

This integration between SRDF and Solaris Cluster campus topology and Geographic Edition is a joint EMC and Sun engineered and endorsed disaster tolerant solution that provides customers an enhanced option for deploying SRDF in Solaris Cluster environments.

Contact your EMC and Sun Sales Account Manager for additional information.

<http://www.sun.com/software/cluster/osp/>

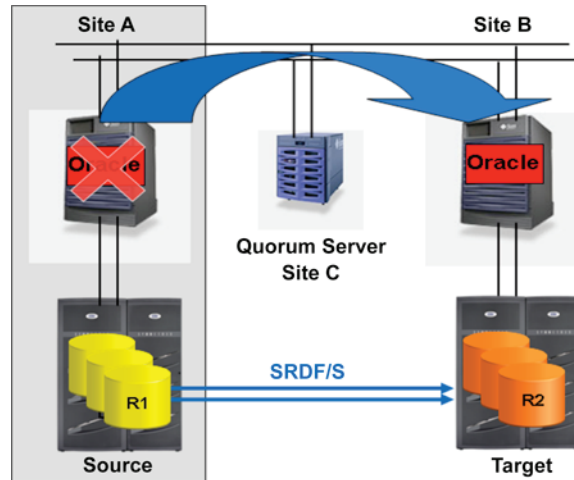
<http://www.emc.com/partners/global-alliances/sun-microsystems.htm>

Benefits of Solaris Cluster Campus Topology and Geographic Edition with SRDF

- Provides rapid site recovery of application services, proceeding to the write enabling of the SRDF R2 volumes as part of the failover operation.
- There is no impact to Solaris Cluster performance as SRDF mirroring and site resynchronization operations do not consume host resources.
- Allows cluster distance support between sites up to 200 km with SRDF/S and unlimited distance with SRDF/A.
- Minimized site fallback time as only changed EMC device tracks are copied back over the SRDF network to resynchronize the primary Symmetrix system.
- Support for SRDF R1 and R2 swap to reverse the remote replication flow and maintain disaster recovery readiness during planned migration switchovers.
- Solaris Cluster support of Oracle's applications and database including Oracle 9i, 10g, and 11g HA using campus topology.
- Solaris Cluster support for up to 16 Oracle HA or RAC nodes on each site with 9i, 10g, and 11g using Geographic Edition on SPARC.
- Solaris Cluster support for up to eight Oracle 10g HA or RAC nodes on each site using Geographic Edition on x86.

Solaris Cluster campus topology with SRDF

If using Solaris Cluster campus topology, when a customer's primary site becomes inoperable in the event of a data center failure, fault, or disaster event, the resource groups associated with the Solaris Cluster systems will automatically failover to the Solaris systems in the Secondary Site.



Solaris Cluster Geographic Edition with SRDF

If using Solaris Cluster Geographic Edition, when a customer's primary site becomes inoperable due to a system failure or disaster event, the secondary cluster detects the failure and notifies the system administrator who can then request a takeover with a single command. This will perform SRDF state validations, and then proceed to bring the applications online in the secondary cluster.

