

SunSM Cluster Implementation Service

Ensure the highest levels of success right from the start.



Highlights

- Get it right the first time, helping you save time, money, and frustration
- Feel confident that your cluster implementation meets your specific requirements before going live
- Take advantage of the full potential of your Solaris Cluster software
- Help achieve a successful implementation through testing and verification
- Minimize time-to-production and quickly deploy applications for competitive advantage
- Use the Sun i-Runbook Service to create a knowledge base for your organization, providing access to the vital information you need to manage your cluster environment
- Build on your in-house staff's knowledge with reviews of your cluster environment with Sun experts



By tightly coupling Sun's servers, storage, and networking solutions, Sun™ Cluster software helps provide the maximum level of service availability and performance for a cluster system. And to help you take advantage of the full potential of Sun Cluster software, Sun can design, document, and test your Sun Cluster environment to meet your high-availability application failover requirements. The Sun Cluster Implementation Service is based on global experience and best practices, helping reduce risk and time to production.

Comprising seven step-by-step service modules, this service allows you to purchase just the services you need for your unique environment. From implementation of application data services, comprehensive testing, and verification, to transferring knowledge through reviews and documentation, you can pick and choose from services designed to help you achieve optimal performance and productivity, including:

- Node Configuration
- Geographic Cluster Configuration
- Resource Group Configuration
- Standard Data Service
- Custom Data Service
- Storage Architecture
- Sun i-Runbook Service

A minimum configuration for the Sun Cluster Implementation Service consists of two Node Configuration modules, one Resource Group Configuration module, and either one Standard Data Service or one Custom Data Service module based on your specific application. The Sun i-Runbook and Storage Architecture modules are optional; however, the Sun i-Runbook Service module is highly recommended for customers who are new to Sun Cluster.

Node Configuration

The Node Configuration module is the primary building block of the Sun Cluster Implementation Service, providing much of

the base design, consulting, and cluster hardening. This module serves as the framework for the service by incorporating design and testing for the other modules. Key deliverables include design specifications, cluster security hardening, and test plans—all with the overall goal of increasing the security of your Sun Cluster environment. As a part of this module, you also receive a Management Review that includes content from each module that is delivered as part of the service.

Geographic Cluster Configuration

The Geographic Cluster Configuration module combines two existing Sun Cluster installations into a Sun Geographic cluster configuration. This configuration is ideal for customers who have two Sun Clusters installed along with a resource group configured on the first cluster and TCP/IP network connectivity between the two clusters. This module then configures a secure partnership between the two clusters and a single protection group. The protection group comprises a single resource group (consisting of either a standard or custom data service) and a single data replication method in order to fail the application from one cluster to the other. Once confirmed, the data replication will be resynchronized and the resource group brought back online on the primary cluster. Finally, the geographic cluster configuration will be tested prior to sign-off.

“ Sun gives us high reliability in systems, high availability for our own customers, expert consulting and support, and a completely engineered solution based on strong partnerships with our other vendors. ”

Greg Hearn

Senior Systems Administrator,
Las Vegas Valley Water District

Resource Group Configuration

The Resource Group Configuration module can help you achieve complete and functioning resource groups by providing the base design and configuration of your Sun Cluster resource groups, logical hosts, and Network Adapter Failover (NAFO) groups, in addition to implementation of storage. Sun helps you reduce risk and improve performance by doing extensive testing to make sure that the resource groups perform according to the design specification. Finally, you review all of your configurations and how they work with Sun during the Management Review class.

Standard Data Service

This module provides the base design and configuration of the Sun Cluster Standard Data Service for your application. After you load the application, Sun installs and configures the appropriate Sun Cluster Standard Data Service and registers the application within the cluster. Sun does thorough testing of the application in the Sun Cluster environment to make sure it is working as specified—so you can take advantage of high-availability features and benefits. During the Management Review class, you review the application’s behavior in the cluster with Sun.

Custom Data Service

The Custom Data Service module is for those customers requiring a Sun Cluster High Availability (HA) agent for an application not currently supported by the Standard Data Service. After Sun verifies that your application can be clustered, a Sun engineer designs and codes a Custom Data Service. Once completed, verification testing is performed to validate the function of the newly-created agent. Its function is

documented for you, and a review of the Custom Data Service is performed during the Management Review.

Storage Architecture

The Storage Architecture module is for customers who have an application that they need clustered, but for which they have not designed a storage configuration. You receive a Storage Architecture Design document and complete storage configuration.

Sun i-Runbook Service

The Sun i-Runbook Service module provides a customized knowledge base for your cluster environment, with all specific information needed to facilitate easy and accurate maintenance of the cluster documented in a centralized location, accessible from an HTML browser.

About Sun Cluster

Sun Cluster has a comprehensive portfolio of applications supported through agents from Sun, including pre-made agents for popular applications such as Oracle, Siebel, SAP, Sybase, Sun middleware, and many others. For customized application creation, the SunPlex Scalable Agent for Sun Java™ System Web Server can be used. For more information on Sun Cluster software and Sun Cluster Agents, including links to free downloads, visit sun.com/software/solaris/cluster/index.xml

To learn more about the Sun Cluster Implementation Service, contact your Sun Sales Representative or Authorized Reseller or visit sun.com/service/sunclusters