simple, low cost, high availability

hp ProLiant essentials—recovery server option pack for Oracle9i

simplify database failover and recovery

When you need performance, security, scalability, and reliability for critical business data, you turn to Oracle®. Oracle has created the world's most advanced and most popular database for transaction processing, data warehousing, and content management. And when it comes to high availability for your Oracle9i™ database, you now have an easy and affordable alternative to clustering: the ProLiant Essentials Recovery Server Option Pack (RSO) with Smart Array Cluster Storage from the new HP.

RSO provides automated server redundancy to ensure reliable protection and increased uptime for critical applications. It's simple to configure and manage, requiring no clustering experience. And best of all, you get a complete, out-of-the-box high-availability solution for Oracle databases at a significantly reduced cost!

reduce downtime with affordable lights-out failover

It's natural: You want to deliver information with the best quality of service at the lowest cost. And with the RSO solution for Oracle9i, you can.

RSO is the lowest cost high-availability solution available for Oracle9i, enabling an active/standby configuration of two ProLiant servers. Should a fatal fault occur in the primary server, the standby server will initialize and take over with no manual intervention required. The result: a reliable, lights-out database failover solution, increasing uptime and ensuring business continuity.

Smart Array Cluster with Recovery Server Option

Unlike other database failover approaches, with the Recovery Server Option Pack the operating system, applications, and data all reside on Smart Array Cluster Storage, greatly reducing cost by decreasing the need for multiple software licenses.* And the RSO is designed for simplicity, providing an intuitive menu-based interface to speed set-up and deployment. The environment is then easily managed through the powerful HP Insight Manager tool.

rely on industry-leading hp ProLiant servers

Available for Microsoft® Windows® 2000 or Red Hat Linux™ environments, RSO has been tested and validated specifically for Oracle9i using ProLiant DL360 G2 or DL380 G2 servers. ProLiant is the world's leading brand of servers, renowned for their industry-defining technology that yields superior reliability, scalability, and availability, along with unparalleled deployment flexibility, ease of configuration, and simplified management. These advanced servers take advantage of innovative design and the latest Intel Pentium III processors to deliver the perfect balance of price and performance. In addition, ProLiant servers are designed with integrated "lights-out" management capabilities built in, providing more effective control and reduced management overhead.

RSO can also be deployed with high-density ProLiant DL360 G2 servers.** These modular, ultra-thin servers provide leading performance and intelligent fault resilience all packed into just 1U server. Ideal for space-constrained environments, these versatile servers are integrated with virtual presence and control for powerful, yet easy, lights-out administration. And because they're implemented along with Smart Array Cluster Storage, you have a complete high availability solution for Oracle9i.

maximize value with economical cluster storage

Smart Array Cluster Storage plays an integral role in enabling cost-effective database failover for Oracle9i. Ideal for two-node clustering and server failover, Smart Array Cluster Storage provides the capacity, availability, and economy to ensure high availability and low total cost of ownership. Smart Array Cluster Storage has been optimized to work with a broad range of ProLiant servers and offers:
• zero cost connectivity
• simple, low-cost implementation
• DAS-to-SAN conversion technology

With 14 drive bays, you can configure the storage capacity as needed to suit your specific business requirements. In addition, redundancy of all major components***, including array controllers, combined with exclusive Advanced Data Guarding RAID technology from HP, ensures the high availability you're looking for—you can withstand two simultaneous drive failures without disrupting operations! And because Smart Array Cluster Storage is SCSI-based, there are no Fibre Channel infrastructure requirements, keeping costs down and implementation simple. Yet, you can seamlessly convert to a Fibre Channel storage area network (SAN) as

your needs evolve by easily converting the Smart Array Cluster Storage to an HP StorageWorks Modular SAN Array 1000.

To protect your vital Oracle9i database investments—while preserving your overall IT budget—the ProLiant Essentials RSO, with ProLiant servers and Smart Array Cluster Storage, is the ideal low cost high-availability solution.

Since only one software image exists in an RSO configuration, it may be possible in some cases that only one operating system and/or third party application software license is necessary. Please consult your specific operating system and/or third party application End User License Agreement to verify if one or more software licenses are required.
** An additional Smart Array 532 controller is needed when using RSO with DL360 G2 servers.
*** The power supply for the ProLiant DL360 is not redundant.*

get more information

For more information on the RSO solution for cost-effective Oracle9i database failover, including ProLiant servers and Smart Array Cluster Storage, please contact your HP representative or reseller, or visit **hp.products.com/products/sharedstorage**.

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