

Oracle9i Real Application Clusters
for Compaq ProLiant Servers

Automate operations, guarantee uptime, simplify integration

Enterprise class computing platform
for industry standard servers

Businesses cannot afford unplanned downtime. And, the ability to expand the computing infrastructure as the business grows is essential. That's why Compaq and Oracle have joined forces to help customers rapidly deploy highly available e-business solutions.

Oracle9i Real Application Clusters on Compaq *ProLiant*™ servers deliver the wide-range scalability, ease of management, and high availability that is required by today's businesses. Compaq *ProLiant* servers fully utilize the power of Oracle9i Real Application Clusters, Oracle's revolutionary new database offering.



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An ideal solution

In the highly competitive, “always-on” e-business environment, the Compaq-Oracle9i Real Application Clusters solution is the ideal solution for a wide range of industry specific applications solutions, including Customer Relationship Management, Data Warehousing and Business Intelligence, ERP applications and Service Providers.

Compaq *ProLiant* servers with the Microsoft® Windows® 2000 operating system software can deliver high availability to maintain 24x7 service levels in a multi-tier environment. The entire cluster is managed as one database. Two to six clustered *ProLiant* servers with varying amounts of processors and memory have been thoroughly tested and are available to provide the headroom required for the most demanding applications.

Oracle9i Real Application Clusters yields dramatically higher scalability and availability for high-volume, mission-critical applications. These benefits are achieved by exploiting the power and redundancy of clustered computing systems.

Engineering expertise

Compaq-Oracle solutions for Oracle9i Real Application Clusters on *ProLiant* servers can be shipped fully loaded from a joint channel partner. The partner will install the software and set parameters based on individual business requirements, saving time and eliminating implementation guesswork. The e-business solution is up and running faster than ever thought possible.

Multi-node scalability

E-business infrastructures require scalability as well as high-availability. This is accomplished through integration with Oracle9i Real Application Clusters software. Multiple processing nodes can concurrently access the shared data on the common Fiber Channel storage subsystem allowing for Oracle implemented load balancing across server nodes.

Planned or unplanned server outages do not affect the database. In the event of unplanned node failures, database recovery for any uncommitted transactions is completed online. Oracle database users can continue to process through other nodes of the cluster seamlessly.

Features at a glance

- > Shared cache across all nodes, combined with processing power and high-speed, enables breakthrough database performance.
- > Load balancing across cluster nodes ensure optimal resource utilization.
- > Automatic, transparent, and rapid failover.
- > Dynamic, online database expansion and backup drastically reduce planned downtime.
- > No interruption of database services while adding a node.
- > Deployment of existing applications on Oracle9i Real Application Clusters without modification.
- > Industry-standard computing platform dramatically reduces costs.

Outperform your competition

Oracle9i Real Application Clusters is the next generation of the Oracle Parallel Server product. Oracle9i Real Application Clusters provides transparent application scalability by quickly and efficiently sharing cluster-wide caches for coordinated data access.

Decrease management and maintenance costs

Standardizing on an industry-standard operating system and hardware platform is key to reducing management and maintenance costs of the database. Compaq *ProLiant* servers with the Microsoft Windows 2000 operating system are proven, thoroughly tested platforms for deployment of Oracle9i Real Application Clusters.

Oracle9i Real Application Clusters presents database administrators with a single view of the database, which simplifies system and database management and dramatically reducing maintenance costs.

Increase user satisfaction

Oracle9i Real Application Clusters on Compaq *ProLiant* servers with Microsoft Windows exceeds the service level requirements of the most demanding businesses. Fast recovery from system faults, transparent recovery from human error, protection from data corruption, and dramatic reductions in planned and unplanned downtime ensures 24x7 availability, resulting in increased user satisfaction due to rapid response times.

Compaq and Oracle – partners in support and service

Rapid installation

Upon arrival, the pre-selected solution can be installed by the customer's personnel or through an optional Compaq or Oracle Customer Services engagement. These thoroughly tested solutions for Oracle9i Real Application Clusters on Compaq *ProLiant* servers can be installed in a matter of hours – not days.

Comprehensive consulting

In order to determine the number of users supported by a given configuration, a thorough understanding of the operating environment is essential. Factors to be considered include the type, number, version, and interaction of application modules as well as database size.

Both Compaq and Oracle offer comprehensive consulting services to help determine the precise nature of user requirements. Once the user counts are known, a customized solution can be implemented quickly to support business requirements where database availability is a key requirement.

Support contracts

Compaq recommends purchasing support contracts from Compaq and Oracle. Purchase of both support contracts entitles customers to Compaq and Oracle solution escalation paths. Customers are assured quick and accurate problem resolution.



Compaq *ProLiant* DL380



Compaq ProLiant DL580



Compaq ProLiant 8500

Compaq-Oracle9i Real Application Clusters Configurations for Windows

Compaq has created two cluster kits for Oracle9i Real Application Clusters on *ProLiant* servers with the Microsoft Windows 2000 operating system:

Parallel Database Cluster PDC/O2000

- > Select Compaq *ProLiant* servers PL6400, PL8500, DL580, or DL380 (New high-end *ProLiant* DL servers as available)
- > Microsoft Windows 2000 Advanced Server only
- > Compaq RA4X000 Storage Arrays with AL or SAN switches, redundant I/O paths
- > Secure Path multi-path I/O management software
- > 2 to 6 node configurations, 2GB to MAX RAM available per server, 2P to maximum processing power available per server

Parallel Database Cluster PDC/O5000

- > Select Compaq *ProLiant* servers – PL6400, PL8500, DL580, or DL380 (New high-end *ProLiant* DL servers as available)
- > Microsoft Windows 2000 Advanced Server or Data Center Server
- > Compaq RA/MA8000 ESA/12000 Storage Arrays with full SAN support
- > Secure Path multi-path I/O management software
- > 2 to 6 node configurations, 2GB to MAX RAM available per server, 2P to maximum processing power available per server

Available in November 2001 - North America and EMEA only

For more details and purchasing information visit
compaq.com/solutions/enterprise/highavailability.html

compaq.com

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