Providing a comprehensive solution for rapidly implementing a high-performance database infrastructure.

An Dell Certified Configuration consisting of an Oracle 9i Real Application Cluster (RAC) and Dell/EMC Storage Area Network (SAN) is a cost effective way to purchase and implement an Oracle 9i database application that designed to meet your specific business, functional and operational objectives.

Utilizing best practices and expertise, Dell Professional Services delivers packaged, fixed-price service offerings designed to provide flexibility for multi-node Oracle 9i RAC Certified configurations on our standard EMC SAN implementations. We also provide bundled 9i RAC configurations on Directed Attached Storage (DAS).

Multi-node 9i RAC planning and implementation services for Linux operating environments is also available.

Key Benefits

**Oracle 9i RAC and Dell/EMC SAN Planning and Implementation**

Utilizing proven methodology and project management expertise, a Dell Professional Services consultant will initially complete pre-engagement assignments such as environmental surveys, pre-determined on-site interviews and change control procedures. Once on-site, the consultant will review the customer’s objectives, solution requirements, and validate appropriate hardware and software elements. The final step is the design and deployment of a Oracle 9i RAC solution that offers the following benefits:

- **Speeds up implementation**: Offers a single-source for the hardware, software and services to implement an end-to-end Oracle 9i RAC system. Everything is including from planning to design, implementation, testing, delivery, and support for computing needs.

- **Minimizes scalability risk**: Upon identifying scalability issues, a plan is developed to migrate the risks associated with implementing an Oracle 9i RAC system.

- **Fulfills objectives**: Building-block architecture is designed to meet production and operational capacity requirements along with meet projected future needs.

- **Lowers cost of implementation**: Modular, flexible pricing model designed for individual customer host/SAN needs.

Visit [www.dell.com/services](http://www.dell.com/services) for more information.
**Dell’s Differentiating Factor**

Dell and Oracle have shared a global partnership for many years that includes the joint development and engineering of integrated infrastructure solutions for customers of all sizes. The strength of this relation coupled with Dell's direct model ensures that your Oracle 9i database is thoroughly assessed and optimized based on your specific infrastructure and business needs.

Dell Professional Services combines affordability with an in-depth understanding and expertise in implementing standards-based systems. Complementing these strengths, Dell makes it easy to obtain the service you need by providing a single point of accountability.

**Deliverables: Oracle 9i RAC and Dell/EMC SAN Planning and Implementation**

The deliverables include:

- Rack and cable two (2) or four (4) new Dell servers
- Install/configure operating system using the Oracle Certified Configuration (OCC)
- Application of all necessary operating system and Oracle patches
- Upgrade drivers and reconfigure/recompile kernel as necessary.
- Configure the Dell/EMC SAN and cache settings and other performance parameters
- Configure proper LUN definitions within the array along with all LUNs, RAID groups, and storage groups
- Completion and verification of OS configuration and disks partitions
- Create raw devices and symbolic links (as needed)
- Create seed database per customer requirements and specifications
- Start RAC cluster and test fail over
- (Test) logical and physical database layout, disk partitioning and logical structure
- Verify and configure cluster management
- Create, configure and verify seed database/cluster
- Knowledge transfer

Once the solution is fully implemented, within your desired multi-node environment, DPS will work with the customer to ensure functionality and final acceptance. Additional benefits of Oracle 9i RAC and Dell/EMC SAN Planning and Implementation include:

- Fully functioning SAN and Oracle 9i RAC solution that meets production capacity requirements
- Fully deployed PowerEdge™ servers with optimal Linux® server configuration and Oracle 9i installation and configuration
- Fully functioning Oracle 9i RAC solution to include most recent patches/updates and seed data base implementation
- Increased availability through clustering to provide fail-over and increased application performance through load-balancing
- As-built SAN documentation and design workbook
- As-built Oracle 9i documentation and design workbook

Service specifications are valid in the US only and subject to change without notification.

For details on all programs contact Dell Services. Service specifications are valid in the US only and subject to change without notice. Dell and the Dell logo are trademarks of Dell Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims any proprietary interest in trademarks and trade names other than its own. Dell cannot be responsible for errors in typography and graphics. © Copyright 2003 Dell Inc. All rights reserved.