



## What steps have you taken to maximize your database performance, availability and recoverability?

Today, organizations are tuned into technology and its impact on business operations like never before. They rely on their technology partners to have in-depth knowledge and understanding of the specific logistical, technical and financial challenges and to offer solutions to maximize performance and profitability while ensuring availability and recoverability of data. That's why many small and mid-size enterprises count on Cintra.

Our database architecture services establish a solid foundation for Oracle and SQL Server database systems. Whether you are implementing a single server to support a departmental application or a complex cluster to support mission critical applications, we take a consistent, methodical approach with best practices based design, documentation, and implementation. What's more, Cintra employs a variety of tools and accelerators based on hundreds of previous implementations to provide more rapid, cost effective, and lower risk implementations of Oracle and SQL Server solutions.

### Highly Available database architectures:

#### Oracle Real Application Clusters (RAC) for Standard Edition and Enterprise Edition

Cintra has unparalleled experience designing and implementing RAC. Our approach to RAC goes beyond the database and includes proven architecture design for the Operating System, servers, network interconnects and the storage layer. Our best practices implementation of Oracle Grid Control for proactive monitoring paired with Oracle Data Guard for Disaster Recovery allows you to further minimize the risk of data loss and database downtime.

#### In addition, Cintra provides best practices based implementations of:

- Oracle Data Guard
- Oracle RMAN for Backup and Recovery
- Oracle Streams for Replication

### Highly Available and Scalable SQL Server Architectures

All too often, we see SQL Server environments that have grown organically within our clients' technology infrastructure with no standardization for monitoring, availability or recoverability. We help our clients design new systems based on repeatable standards and evolve existing systems to ones that are more reliable, consolidated, and easier to maintain. We specialize in advanced designs such as SQL Server Clusters and Replication for High Availability and Disaster Recovery.

## Database Architecture Services

### Cintra SE-Guard for Oracle Standard Edition High Availability and Disaster Recovery

Cintra has developed a hot standby database solution for Oracle's Standard Edition and Standard Edition One compliant to versions 8 through 11. It works on Windows, Linux, and Solaris OS and has a number of key features built into the standby database integration solution including:

- Automated log shipping
- Minimal data loss configuration
- Delayed log apply feature for protection against database corruption
- Integrated monitoring with email alerts
- Manual failover and fail-back operations support
- Support for both local high availability and remote disaster recovery configurations

### Oracle and SQL Server configuration and performance review

Cintra's database review provides a wealth of information regarding the performance and health of your Oracle database and application platform. We identify critical issues and recommend configuration, standardization and tuning strategies that enhance performance, increase productivity, and lower your investment in hardware and software. Cintra's performance optimization services consider all layers of technology that contribute to an optimal database platform.

**Depending on your needs, we can consider some or all of the following:**

- Oracle and SQL Server best practices and standards
- Performance metrics and configuration parameters such as hit ratio, SGA size, database extents, memory usage and data caching.
- Advanced configurations for data caching, load balancing, extended scalability and extreme performance
- Capacity planning based on correlation between business objectives, business expectations and financial expenditure planning.
- Application integration considerations for optimal manageability and performance.

**Ready to take the next step to maximize your database performance, availability and recoverability?** Find out more about Cintra's Database Architecture Services by calling 1-866-245-0881 or visit [www.cintra.com](http://www.cintra.com).



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CINTRA USA  
54 West 39th Street, 9th Floor  
New York, NY, 10018  
212 481 6501 T

CINTRA UK  
10 Apsley Road.Clifton  
Bristol BS8 2SP  
+44 117.9237.345 T