

# EMC Replication Accelerator for Oracle 10g on SAN



## Accelerate Oracle 10g upgrades and implementations with proven best practices

EMC and Oracle join forces to optimize and simplify Oracle 10g upgrades and deployments on an EMC® SAN platform.

### Business Challenges

Faced with the challenge of doing more with fewer resources, many organizations running Oracle 10g database environments are looking for cost-effective, easy-to-manage storage alternatives—proven, complete solutions for rapid and efficient deployment of Oracle 10g on networked storage.

Increasingly, Oracle databases are being deployed on storage area networks (SANs) as a means to reduce infrastructure management costs and increase operational flexibility. Those who use SANs for their Oracle databases face a range of important issues, such as the need to:

- Quickly upgrade existing Oracle9i database environments to Oracle 10g.
- Implement new Oracle 10g databases quickly, with minimal risk.
- Support database consolidation efforts to lower total cost of ownership.
- Leverage the full functionality of EMC and Oracle technologies to improve return on investment.
- Respond effectively to changing business requirements.

Many organizations that adopt Oracle 10g will implement its new grid computing features, which support large clustered database environments for one large virtual database system. In such environments, networked storage becomes even more critical, by ensuring that storage can scale, perform, and be managed with the flexibility and speed grid computing demands.

In the end, however, the true challenges for many companies trying to meet the deployment and management issues associated with Oracle 10g are limited resources, skill sets, and time.

### Solution Description

The EMC Replication Accelerator for Oracle 10g on SAN Solution surmounts the resource, skill, and time issues to enable customers to work efficiently in their new Oracle environments, and

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supports and optimizes deployment of an Oracle 10g database on an EMC storage platform. The solution consists of:

- Jointly designed, tested, and documented reference architectures
- Best-practice configurations
- Implementation services for Oracle databases on EMC SAN
- Support for Real Application Clusters (RAC), Linux, and UNIX

Experts from EMC and Oracle will deploy and mirror an Oracle database on an EMC storage platform, assuring the highest levels of performance and availability. This solution supports either the creation of a new database instance or the transition (cloning) of an existing database onto the EMC SAN platform. The new database instance is laid out and optimized to maximize the capabilities of the EMC SAN platform with Solaris or Linux host-based servers.

The solution engagement includes three main phases:

- Determine the recommended architecture for optimized performance, scalability, and availability.
- Deploy an Oracle 10g database on an EMC storage platform, based on the agreed-upon design.
- Jointly test, validate, and review the solution with your IT staff to ensure it meets all objectives.

This offering applies to the deployment of an Oracle 10g database on EMC Symmetrix® or EMC CLARiiON® storage in either direct-attached storage or SAN environments. The solution can also be deployed for an Oracle Real Application Clusters 10g (10g RAC) environment. Prerequisite software for this solution includes the EMC TimeFinder® family or EMC SnapView™, and EMC Replication Manager software.

## Solution Value

The EMC Replication Accelerator for Oracle 10g on SAN Proven Solution simplifies implementing or upgrading to an Oracle 10g database on EMC storage, and helps you gain maximum advantage from these technologies. Accomplishing these goals gives you a business edge and a foundation for a comprehensive information lifecycle management strategy.

This EMC-Oracle collaboration provides a cost-effective, best-of-breed joint database and storage infrastructure that:

- Eliminates the complexity in implementing high-availability enterprise infrastructures
- Maximizes database and database replication deployment capabilities
- Leverages the combined best-practice expertise of EMC and Oracle
- Enables faster, lower-risk implementations
- Reduces training costs and speeds learning of advanced technology
- Enhances storage environments for application development/implementation and business continuity with a solid infrastructure foundation.

## Getting Started

To learn more about implementing a cost-effective SAN architecture for your existing or future Oracle database environment, contact your local EMC account representative, or visit the EMC Proven™ Solutions website at [www.EMC.com/solutions](http://www.EMC.com/solutions).



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