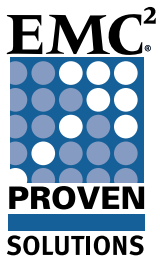


# EMC Data Layout for Oracle 10g



## Optimal Oracle database deployment on EMC storage infrastructure

EMC and Oracle have developed an assessment and implementation solution to optimally deploy Oracle databases on EMC® storage infrastructure, focusing on scalability, availability, and performance of the Oracle environment.

### Business Challenges

To extract the maximum value from their infrastructure investments with EMC and Oracle, customers are looking for ways to:

- Deploy Oracle optimally on EMC environments and leverage EMC and Oracle functionality to meet availability and performance service level agreements (SLAs).
- Minimize risk and disruption of implementing new or migrating existing databases and/or storage platforms by leveraging EMC and Oracle best practices.
- Shorten the learning curve and rapidly deploy EMC and Oracle tools to realize faster return on investment.

### Solution Description

The EMC Data Layout for Oracle 10g is a best-practices engagement that provides recommendations and implementation for an optimized Oracle database on an EMC storage platform. This solution supports either the creation of a new database instance or the transition of an existing database onto an EMC platform.

This solution is part of a suite of solutions addressing Oracle database requirements across the application lifecycle. Other solutions in this suite address advanced replication capabilities, performance assessment and analysis, and information lifecycle management (ILM) via online data relocation and tiering.

### The EMC Data Layout for Oracle 10g consists of three phases:

**Assessment and planning:** EMC and Oracle will perform a detailed review of the current infrastructure (including the server, operating systems, and database), review database usage, and define the requirements for backup/recovery and other SLAs. The focus of the review is to plan and perform detailed analysis for the Oracle deployment.

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**Database layout and design recommendations:** Based on this analysis and requirements, EMC and Oracle will apply best practices and make recommendations for an optimal deployment of Oracle on an EMC SAN/NAS infrastructure. The layout will be based on observed performance characteristics, backup and recovery SLAs/requirements, and other requirements such as creation of reporting instances or the automation of ETL processes utilizing EMC and Oracle features and functionality.

EMC and Oracle will apply best practices defined to provide performance, scalability, and availability objectives. EMC and Oracle will also provide recommendations on an optimal backup and recovery strategy for the database instance.

**Implementation of recommendations:** Based on the agreed-upon recommendations and design, experts from EMC and Oracle will help in the deployment of an Oracle database on an EMC storage platform, assuring the highest levels of performance and availability. EMC and Oracle will jointly test, validate, and review the solution with the customer's IT staff to ensure it meets all objectives.

This offering applies to the deployment of an Oracle database on EMC storage platforms including support for:

- Oracle 10g, Oracle 9i, and Oracle 8i
- Oracle Real Application Clusters (RAC) environments
- EMC Symmetrix®, CLARiiON® and Celerra NAS

## Solution Value

The EMC Data Layout for Oracle 10g Proven Solution simplifies the implementation or migration of an Oracle database on EMC storage. Utilizing a best-practices approach enables customers to leverage expertise that has been developed over time, in many different environments. This solution:

- Accelerates and lowers the risk of implementation or migration of an Oracle database on EMC storage platform.
- Leverages the combined best-practice expertise of EMC and Oracle.
- Eliminates the complexity in implementing high-availability enterprise infrastructures.
- Provides an optimized database and storage infrastructure that supports agreed-upon SLAs addressing availability, scalability, and performance.
- Improves the ROI of your IT investment by leveraging EMC and Oracle best practices and recommendations for database layout and ongoing infrastructure management.
- Reduces training costs and provides knowledge transfer between the customer, EMC, and Oracle.

## Getting Started

To learn more about implementing a cost-effective EMC storage 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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Data Sheet  
H1562.1