

# EMC Performance Optimization for Oracle Database



## The ultimate performance assessment for your Oracle environment

Delivered jointly by EMC and Oracle, the Performance Optimization Solution assesses your entire infrastructure to identify performance bottlenecks and capacity/configuration issues with Oracle database environments.

### Business Challenges

Optimizing performance in an Oracle database environment requires complex analysis and correlation of performance measurements from Oracle, host, and storage infrastructure. It often requires coordination among several teams in an IT organization, and is made even more challenging by a lack of comprehensive tools suited to the task.

#### *Common challenges in the face of this complexity include:*

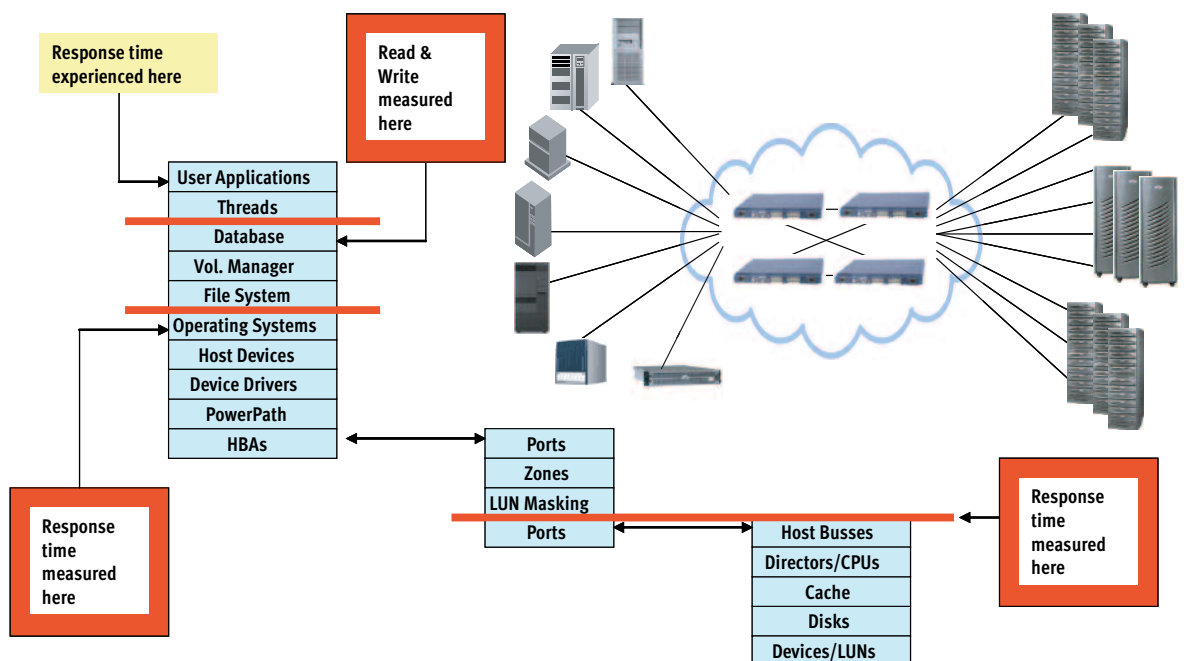
- **Applications Performance Degradation during Critical Processing:** Performance slowdowns often come at the worst times, such as during online access, month-end processing, or critical batch windows. Implications of a failure to complete monthly and quarter-end processing can ripple throughout an organization.
- **Inability to Meet Performance SLAs/User Expectations:** Performance issues can translate into user dissatisfaction and higher costs.
- **Pinpointing Performance Problems:** Narrow-view performance-tuning often fails to identify the true source of performance problems.
- **Configuring and Managing the Database Environment:** The difficulty of implementing database infrastructure throughout a technology stack and identifying suitable parameters to monitor and ensure continuity of performance prevent optimal management of an Oracle environment.
- **Capacity Planning:** It is difficult to know the performance characteristics of new applications until they are implemented—and to accurately forecast capacity required for upgrading or implementing new technology.
- **Information Lifecycle Management:** How do you design an infrastructure to meet performance challenges at the optimal cost at any point in your data's lifecycle?

### Solution Description

The EMC<sup>®</sup> Performance Optimization for Oracle Database Proven Solution is an accelerated, cost-effective assessment delivered by EMC and Oracle together and examines your entire Oracle technology stack to identify performance bottlenecks and capacity/configuration issues. Designed as an alternative to narrow-view (e.g., server-only) performance assess-

ments, this joint EMC-Oracle evaluation covers all database instance performance, database server operating system performance, and storage performance in EMC Symmetrix® and/or CLARiiON® networked storage environments to pinpoint and address performance issues. Deliverables include a detailed report of findings and best-practice recommendations.

The Performance Optimization Solution's end-to-end view of the entire technology stack is depicted in the following diagram. This comprehensive view ensures that all performance issues will be identified effectively, and that no key variable will be overlooked. The Performance Optimization Solution's assessment leverages standard tools—including EMC Performance Manager (part of EMC ControlCenter® and formerly known as Workload Analyzer), Oracle STATSPACK, and native host tools—to obtain detailed information about Oracle, host, and networked storage performance.



## Solution Value

Once the Performance Optimization Solution evaluation identifies bottlenecks in your environment, it provides best-practice recommendations to optimally configure your Oracle database technology stack.

- Customers who have utilized this EMC Proven™ solution find they are better able to meet critical performance SLAs, eliminate performance outages, and accelerate month-end processing.
- Performance Optimization Solution has helped companies improve DBA productivity, optimize utilization of existing assets such as available CPUs and Symmetrix DMX™ and CLARiiON storage, reduce or avoid new infrastructure costs, proactively manage system performance, and achieve more effective information lifecycle management.

## Getting Started

To learn more about this EMC Proven solution, please contact your local EMC account manager. Additional information is available at [www.EMC.com/solutions/oracle](http://www.EMC.com/solutions/oracle).



EMC Corporation  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America 1-866-464-7381

EMC<sup>2</sup>, EMC, EMC ControlCenter, CLARiiON, Symmetrix, and where information lives are registered trademarks and EMC Proven and Symmetrix DMX are trademarks of EMC Corporation. Other trademarks used herein are the property of their respective owners.

© Copyright 2004, 2006 EMC Corporation. All rights reserved. Published in the USA. 6/06

Data Sheet  
H1392.1