

ORACLE DATABASE PERFORMANCE HEALTHCHECK

Oracle Expert Services

AT A GLANCE

- In-depth Oracle knowledge gleaned from hundreds of customer projects
- Learn to be self-sufficient in diagnosing and rectifying performance issues
- Get the most value out of your Oracle investment

Do you need to assess the performance of your Oracle systems, identify any issues and re-adjust the systems for better performance on a regular basis? Does your team lack the necessary skills to be able to conduct these assessments? If yes, our Oracle Database Performance Healthcheck offering is for you. We transfer our expert knowledge, gained from hundreds of customer projects, to your team, enabling you to manage and optimize your Oracle systems according to Oracle's own recommended best practices.

Overview

System performance has become increasingly important as computer systems get larger and more complex and as the Internet plays an even larger role in business applications.

System performance is designed and built into a system. Performance problems are usually the result of contention for, or exhaustion of, some system resource. When a system resource is exhausted, the system is unable to scale to higher levels of performance. Our performance methodology is based on careful planning, and design of the Oracle Database, to prevent system resources from becoming exhausted and causing downtime. By eliminating resource conflicts, systems can be made scalable to the levels required by the business.

The Oracle Database Performance Healthcheck service will teach your staff how to systematically diagnose systems performance problems and how to propose solutions to these problems. Your staff will be able to decide whether they need to buy new hardware, balance existing workloads, or tune the application to meet performance targets.

Scope of the Offering

The Oracle Database Performance Healthcheck service will assist your staff in understanding how to diagnose systems performance issues and how to define solutions to specific problems. Topics covered include:

- Understanding the operational context in which the performance issue has arisen: essential measures, base configuration, and response times
- Description of the method of performance analysis, which consists of collecting internal Oracle statistics followed by an analysis of the performance results
- Interpretation of Oracle wait events as a performance diagnostic tool

ORACLE CONSULTING DIFFERENTIATORS

- Oracle Expertise in delivering best practices using standardized methodology, process, tools, and resources
 - Breadth of Services for Your Needs to integrate functional, technical, and change management services necessary for optimal user adoption
 - Aligned with Your Goals with a cost-effective and comprehensive upgrade solution resulting in project success
- Analysis of the performance report file and interpretation of the Oracle internal statistics: general trends, relevant statistics including general activity of the instance, caches, IO distribution and performance, CPU usage, network usage, and other issues
 - Classification of the performance degradation including identification of bottlenecks affecting the Oracle system
 - How to adjust the configuration of the Oracle instance to accommodate the issues relating to the base configuration
 - How to identify the SQL commands causing issues, such as excessive CPU usage, high I/O rates, etc.
 - How to analyze and tune high resource consuming SQL statements
 - The impact of database design on system performance

Requirements

There are no specific technical requirements for this service. However, the customer's staff should have a basic understanding of Oracle Database technology as well as a basic understanding of SQL.

Major Deliverables

We will deliver a series of workshops and best practice documentation.

How We Are Different

The Oracle Consulting team is focused exclusively on Oracle Technologies, and we have the experts that others turn to for leading practices in Oracle software implementations. We know Oracle best and can provide your business with tightly integrated, comprehensive, superior services throughout your ownership experience.

Getting Started

Leverage Oracle's methods, tools, and extensive experience with customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education, and Global Delivery puts the entire Oracle team behind your success.

For more information on Oracle Expert Services, please contact your local Oracle office or visit www.oracle.com/goto/experts.

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