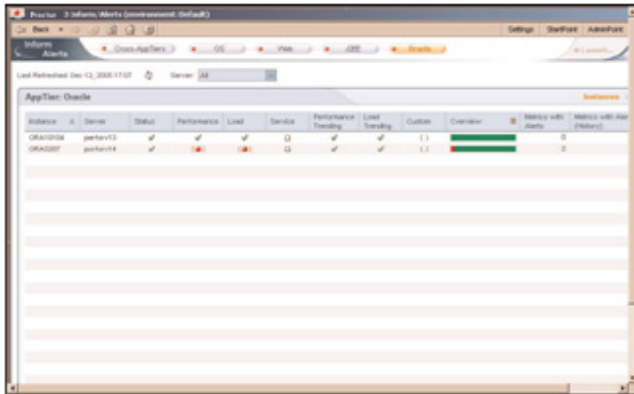


Precise™ for Oracle® Database

Performance management for Oracle Database environments

Precise for Oracle software helps ensure that your business applications perform at peak efficiency by capturing, measuring, and analyzing performance metrics from all critical system components. It helps detect and correct the root cause of problems in applications that rely on an Oracle database—before end users are affected.

To help tie performance problems to business impact, Precise for Oracle provides a breakdown of the transaction response time in the SQL database. Performance alerts and reports are then available for both the business and technical user to accelerate problem resolution efforts.



Use Precise for Oracle to check the overall health of your Oracle instances.

Benefits

- Rank and compare activities of all instances.
- Understand reaction to changes over time.
- Compare past and present activity patterns.
- Explore highly focused information.
- Proactively identify performance trends.
- Get expert tuning advice with priority ranking and relevant data displayed.

Increase productivity with continuous monitoring

Precise for Oracle monitors your Oracle environment continuously, capturing performance data for your current, short-term, and long-term performance analysis.

An up-to-the second snapshot of database activity helps Precise for Oracle users investigate and resolve bottlenecks, such as a locked session or a runaway process. For problems that occurred further in the past, Precise for Oracle supports the ability to review the performance data of a recent activity to answer questions such as, “What caused a slowdown in the system yesterday between 10:00 p.m. and 11:00 p.m.?”

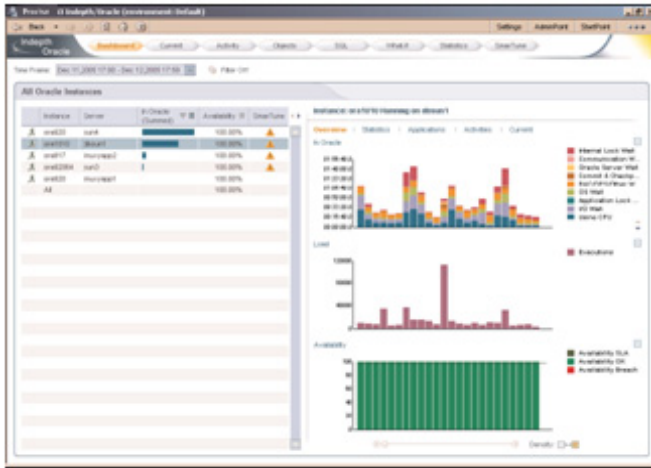
Dashboard displays for quick problem solving

Precise for Oracle uses a dashboard-style display to show information from several workspaces containing availability, activity, and server data. It serves as a starting point for the product by showing a wide range of relevant information on a single screen. This simplifies and shortens the time required to view the information and solve problems.

Because this workspace supports multi-instance environments such as Oracle RAC, you can compare the activities of various Oracle instances, focus on any instance that is causing problems, and, in one glance, view the objects in that instance.

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Compare the behavior of all your Oracle instances over time.

Identify performance shortfall cause and effect

Once a performance problem is identified, Precise for Oracle allows a DBA to drill down in context of the user transaction to pinpoint the problem's cause, whether it is a poorly designed SQL statement, program, database object, or a bottleneck due to a resource shortage in the operating system or database. Precise for Oracle displays detailed performance information in easy-to-understand graphics so you can quickly and visually identify the most serious problem areas.

Instance level

Precise for Oracle shows which instance-level resources are causing performance problems. For example, you can drill down to see whether the root cause is excessive CPU or I/O resources, locking problems due to flawed database design, or waits in resources such as latches and data buffers caused by other internal Oracle problems.

Resource consumer level

To determine which resource consumers are responsible for a performance problem, Precise for Oracle drills down another level to identify which

entities (database users, programs, client machines, and so on) were consuming resources during a specified unit of time.

SQL statement level

Precise for Oracle probes even further to identify SQL statements and stored procedures that are causing problems. This includes SQL statements that consume the largest amounts of resources, long running SQL statements, and short but frequently executed SQL statements.

SQL statement resource level

For each SQL or batch statement, Precise for Oracle shows the resources that are causing waits. For example, you can determine whether a SQL statement is CPU- or I/O-bound, or whether it is affected by the excessive resource use of another SQL statement. The robust analysis capabilities in Precise for Oracle help pinpoint SQL statements and database objects that are causing problems.



Rank all statements across all Oracle instances to find the biggest offenders, first.

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Analyze problems

Using Precise for Oracle, you can quickly analyze SQL statements, database objects, and Oracle instances to uncover the specific causes of performance problems.

SQL statement analysis

Precise for Oracle presents the Oracle access path in detailed steps, and displays the statistics needed to understand each step.

Database object analysis

For each database object, Precise for Oracle shows the statements that access the object. For example, you can find all SQL statements that perform full table scans on all tables with more than a million rows, or you can identify the indexes that are scanned in full index scans. You can even identify unused indexes. Having the ability to analyze SQL statements and database objects allows you to determine whether your performance problems are caused by poorly written SQL statements or by inefficient object design.

Instance statistics for analysis

Precise for Oracle continuously collects instance and database statistics from the Windows Performance Monitor command, and saves them in the Performance Warehouse. This enables you to correlate application performance metrics with instance and database performance metrics, and then analyze them to help solve problems.

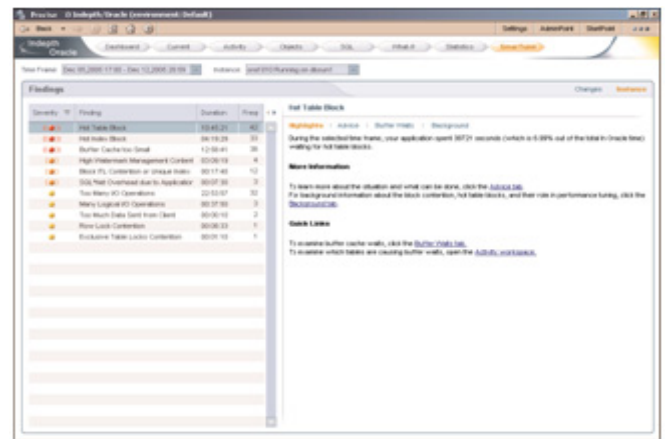
Improve performance

Inefficient SQL statements and poorly designed database structures are the leading causes of performance problems in Oracle environments. Precise for Oracle features expert advice based on years of experience to help tune these components

and improve performance.

This is accomplished by analyzing information that is collected over time and making recommendations based on changes in the application's performance and instance health checks.

Changes are compared to the baseline, and in the case of performance degradation, problems and suggested solutions are displayed. Based on this information, alerts are generated that enable proactive identification of bad performance trends.



Precise for Oracle analyzes database design and performance and recommends actions to alleviate bottlenecks.

Step-by-step performance management

The easy-to-use, comprehensive performance management method of Precise for Oracle guides you through performance management from start to finish—from proactive monitoring and problem detection to problem identification, analysis, resolution, and verification.

Precise™ for Oracle® Database

Performance management for Oracle Database environments

System requirements

Consult <http://www.precise.com/support> for detailed application server and operating system version support information.

Technical Specifications

Database

Oracle 8i (32|64bit), 9i (32|64bit), 10 and 11
Requires Oracle 9.2+, EE, with Partitioning to use the Performance Warehouse Server

Server operating systems

Microsoft Windows W2K, XP, or 2003
Sun Solaris 2.7, 2.8, or 2.9 (32-bit or 64-bit); or Solaris 10 (Solaris x64 or AMD)
HP-UX 11 or 11i (32-bit or 64-bit), or HP-UX 11i v2
HP Tru64 UNIX 4.0, 5.0, or 5.1
IBM AIX 5.1L, 5.2L, or 5.3 (32-bit or 64-bit)
Red Hat 6.2, 7.0, 7.1, 7.2, 8.1 or 9; AS2.1, 3 or 4; or
Itanium 64 Linux

About Precise Software Solutions

Commitment, Focus, Experience

For over 15 years Precise Software Solutions has helped our Global 2000 customers manage business performance in complex, heterogeneous environments, assuring availability and business continuity. Precise offers a complete solution – from discovery through ongoing management – that allows our customers to focus on their core business. We offer the broadest platform support, in terms of enterprise application, operating system, database, and development environment coverage. Precise is the solution of choice for IT as an organization-wide standard for application management.

Visit our Web site

www.precise.com

To speak with a Product Specialist in the U.S.

Call toll-free 1 (877) 845 1886. For specific country offices and contact numbers, please visit our Web site.