Spotlight®
on Oracle

Visual Root-Cause Diagnostics and Resolution for the Oracle Database

Oracle database administrators (DBAs) simply cannot rely on manual methods to diagnose and resolve every possible component affecting database performance. Without a clear view of I/O and user activity, DBAs learn about performance problems only after bottlenecks form. Yet, proactively dealing with performance can be costly to IT organizations in both the short and long term. Therefore, historical and real-time analyses of performance diagnostics are needed to pinpoint issues that have occurred over time. DBAs need to be empowered with these database and database-related details to quickly identify and eliminate bottlenecks in their Oracle environments.

Spotlight® on Oracle allows you to quickly discover any performance bottleneck — in real time or historically — using the granular record and playback function. Spotlight identifies and diagnoses thousands of performance issues, whether caused by a specific user, resource-intensive SQL transaction, I/O bottleneck, lock wait or other exact source. Spotlight automatically sets a baseline of normal activity for each instance, and can automatically set thresholds and display alerts when it detects performance bottlenecks of any kind.

Using Spotlight, you can:

• Diagnose the health of your Oracle database environment

• View at a glance all critical database components on your home screen

• Set up customizable alerts to notify you of performance issues within your databases

• Access expert knowledge and advice for Oracle performance issues

• Provides a visual representation of process flows within Oracle instances, allowing observation of database activity in real time

• Gives a historical playback of Oracle performance, so you can understand how performance metrics change over time

• Visually identifies bottlenecks and provides extensive drill-down capabilities, enabling you to understand the root cause of a performance issue

• Enables you to see all critical database components on one screen

• Displays the details of problem areas, including Top Sessions, Inefficient SQL, Locks, Latches, Wait Events and Disk I/O

• Provides detailed performance metrics and alerts for Oracle performance issues

Spotlight provides a graphical interface — with fully customizable color-coded alerts — for diagnosing performance issues on Oracle databases.

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System Requirements:

Client Requirements
- Windows 2000 or XP
- Citrix XP

Database Support
- Oracle 8.0.6, 8.1.7, 9.0.1.3, 9.2.0.2, 10.1, 10.2
- Oracle Parallel Server (OPS) 8.1.7
- RAC 9.2.0.2

Database Support
- Windows
- HP-UX
- AIX
- Sun Solaris
- UNIX Tru64
- Linux

Real-Time Diagnostics

Spotlight makes real-time diagnosis simple and intuitive. Spotlight features patent-pending technology that displays the actual processing architecture of your Oracle databases and operating system throughout the environment. Graphical flows allow DBAs to view the rate at which data is moving between components. Using Spotlight, DBAs can pinpoint and resolve the source of Oracle performance issues proactively.

Historical Playback of Performance Diagnostics

Spotlight gives administrators insight into how Oracle is performing over time, through its ability to play back the historical performance metrics of the Oracle database environment. In addition, DBAs have the ability to capture granular details of an Oracle instance and then play them back, so they can view database performance as if it were happening in real time. This allows DBAs to perform diagnostics at any given time.

Automatic Problem Detection for Instant Resolution

With Spotlight, users can drill down to details, locating in-depth information about the source of a performance problem. Since the run-time nature of each database is unique, Spotlight offers a calibration process that sets a baseline of normal activity for each Oracle instance. This allows Spotlight to automatically set thresholds and send a warning of impending problems with a visual or audible alert.

Built-In Expert Advice with Knowledge Xpert™

The expert advice provided by Knowledge Xpert™ greatly reduces time-to-resolution and the need to spend valuable time hunting through tuning guides or references. In addition, Spotlight provides a visual tool to help you identify issues and a tuning guide to make you more efficient.

About Quest Software, Inc.

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