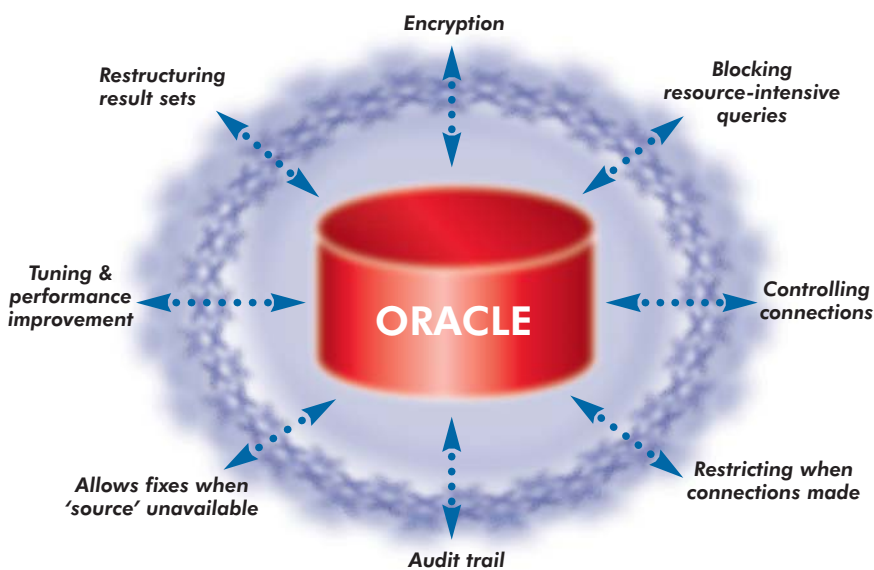


# ActiveKnowledge™

## Optimising Oracle performance and Controlling Data Access

ActiveKnowledge™ provides unprecedented levels of control over your Oracle performance and how and when key business data is accessed.

### Protecting your Key Resource



## Some of the benefits

- **Dramatic reductions in the time it takes for key reports to run** – customers have seen report runtimes reduced from over 10 hours to just a few minutes, avoiding wasted time and improving end-user satisfaction.
- **Better control of your business** – by reducing the time it takes to run reports they can run more frequently, making it easier to spot potential problems more quickly.
- **Free up database resources** – allowing you to make more requests or to make more complex requests.
- **Rapid results** – ActiveKnowledge™ typically takes only an hour to install.
- **Avoid change** – the full benefits of ActiveKnowledge™ are available without the need to alter either your business applications or Oracle databases.
- **Avoid additional hardware spend** – as well as incremental license costs for software products, including Oracle, by getting more benefit from you existing infrastructure.
- **Faster ad-hoc SQL queries** – SQL queries are intercepted by ActiveKnowledge™ on their way to the database, optimised for better performance and then submitted in real-time.â



“ We’ve been using ActiveKnowledge to enhance performance of a leading marketing automation tool. During an extensive evaluation using production volumes we have seen performance enhancements in excess of 50%. ”

“ As we continue to tune ActiveKnowledge further we anticipate that the run times for most queries will at least be halved – reducing CPU contention on the server and avoiding the need for an expensive hardware upgrade for our client. ”

Ben Cooper – Operations Director, Kognitio UK

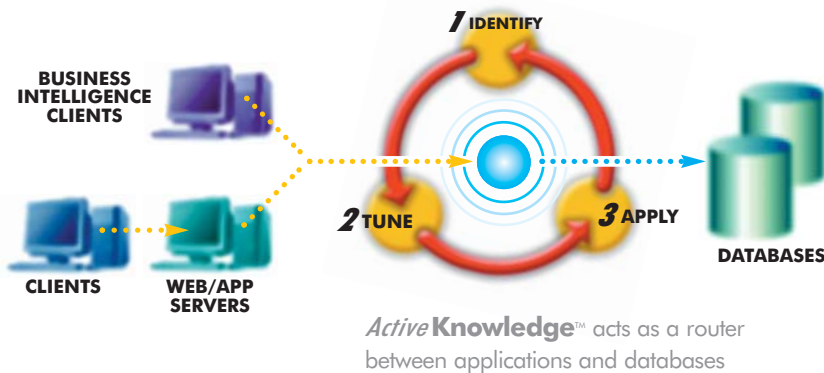


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- **Control** – you now have the ability to define who has access to key data and when they can run reports, enabling you to match your resources to business needs.
- **Audit trail** – you can automatically build a detailed history of all SQL queries run seeing who has accessed key data helping you meet your compliance needs.
- **Encryption** – of data as it passes into and out of your Oracle databases allows you to apply added protection for sensitive information.

## How does ActiveKnowledge™ work?

- **ActiveKnowledge™** performs the function of a SQL Router or SQL Firewall, sitting invisibly between your Oracle database and SQL clients or Applications.

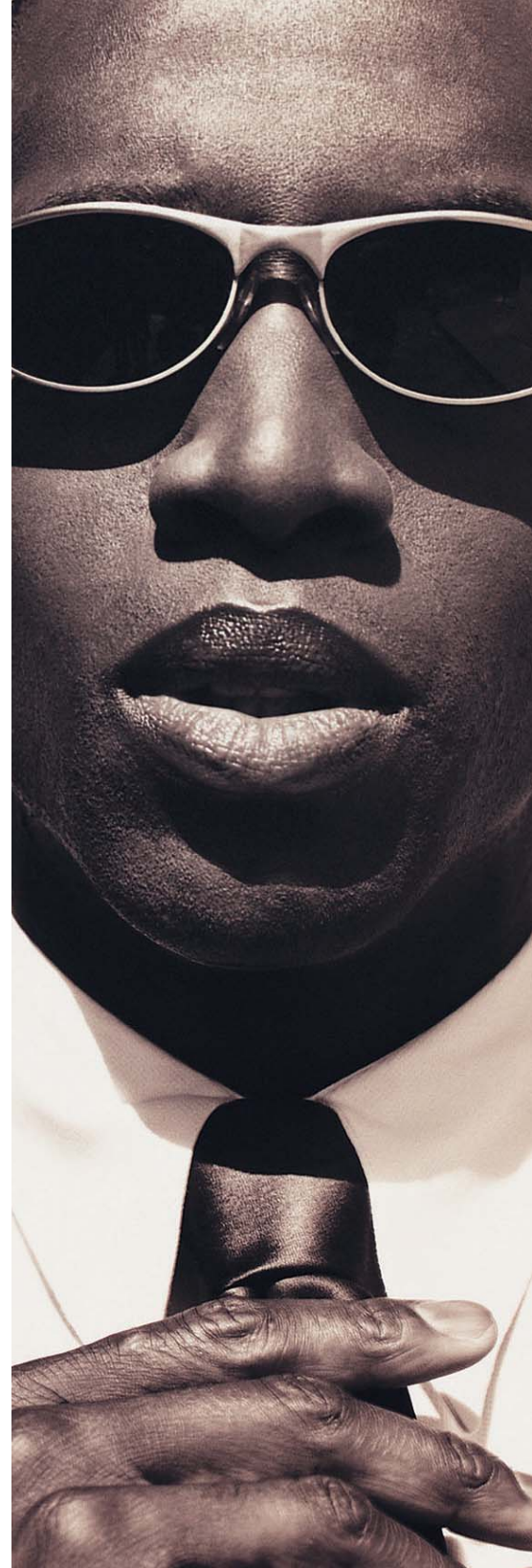


- SQL from defined clients is analysed on-the-fly and compared against a predefined set of rules. SQL that does not match is passed through unaffected with no delay. SQL that matches one of the rules is subject to an optimisation policy, before being passed through to the database. No changes are made to the client or application generating the SQL or the Oracle database.
- Many different 'Matcher functions' can be applied against the incoming SQL, from simple text comparisons or time-of-day checks, to more complex analysis of the SQL using 'Explain Plans' or Oracle cost.
- Multiple 'Action functions' can be applied once a match has been made. The SQL can be simply logged for auditing or 'tagged' with a comment. Or it may be optimised by adding a 'Hint' or rewriting the SQL. You can even choose to have undesirable queries blocked or delayed during peak hours.
- The **ActiveKnowledge™** SQL Expert assists you in tuning SQL by providing the facility to capture SQL from the database, evaluate all possible hints, and benchmark the SQL to identify which is the most efficient. Once a beneficial change has been identified, by simply pressing the 'Fix SQL' button it can be saved as an optimisation rule. Any future executions of this SQL will automatically have this optimisation hint applied in real-time.

### Specifications

- Supports all applications using Oracle database.
- Oracle database versions supported: 7.3 or higher, on all major platforms.
- Platforms: Windows2000, Solaris 7 or higher, HP-UX 11 or higher, Linux RedHat 7.1

FREE evaluation download at [www.active-base.com](http://www.active-base.com)



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