

TOTAL RECALL

KEY BENEFITS AND FEATURES



- Secure Retention of Historical Data for Compliance and Business Intelligence
- Application independent with transparent access to historic data changes
- Easily managed and efficient storage of historical data
- Eliminates requirement for 3rd party or hand crafted solutions

Organizations need an efficient mechanism to retain data for longer that doesn't involve application rewrites, 3rd party or handcrafted software solutions, and additional administrative overheads. Total Recall in Oracle Database 11g addresses these challenges by ensuring complete, secure, retention and management of all your historic data.

Data History and Retention

Regulatory and compliance policies require retention of historical data. Failing to comply with regulations such as SOX, HIPAA and BASEL-II could mean significant legal risks for businesses, adversely impact their business prospects and damage their reputation among investors and customers.

Additionally, businesses are increasingly realizing the immense value historical data can provide in terms of helping them understand market trends and customer behavior. As a result, many are retaining historical data above and beyond what is the required for regulatory purposes.

Unfortunately, there hasn't been an efficient way of generating and managing the historical data, until now. Oracle Database 11g introduces Total Recall with the underlying technology, Flashback Data Archive that transparently tracks changes to database tables data in a highly secure and efficient manner.

Data Retention Requirements

Data retention needs to ensure complete data security. That means that only authorized people within a company should be able to view this potentially sensitive data. Additionally, historical changes to data must be protected from any updates.

The historical data should be easily and transparently accessible without requiring use of special interfaces or application changes. If it cannot be retrieved easily, the value of the historical data is severely diminished.

Storage efficiency, as the historical data volumes can easily grow up to hundreds of Terabytes, can be a critical cost issue.

Finally, managing historical data and its access should be as simple as possible.

Enabling Total Recall

With Flashback Data Archive, all data stored in Oracle Database 11g can be transparently tracked in a secure and efficient manner. There is no limit so Flashback Data Archive can handle any retention period your business requires.

Important benefits of using Flashback Data Archive include:

- Easy to configure – You can easily enable historical data capture for one table or all tables in your database with a simple ‘enable archive’ command, and you do not need to change any of your applications.
- Efficiency of performance and storage - The capture process is efficient minimizing performance overhead. The historical data is stored in compressed form to reduce potentially large storage requirements.
- Complete protection from accidental or malicious update - No one – not even administrators - can update historical data directly.
- Archived table data can seamlessly be viewed at any prior point in time using the “AS OF” flashback SQL clause.
- Automates ongoing historical data management tasks - Oracle Database 11g automatically enforces rules, sending alerts to save on administrator intervention.

Benefits

With Total Recall’s Flashback Data Archive technology, managing historical data should no longer be a painful task. It provides an extremely secure, efficient, easy to use and application transparent solution for managing historical data as well as a centralized, secure query-able historical data store that makes the most efficient use of all your resources – be it CPU, Storage or administrator time, and it enables and reduces your cost of compliance.

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