SQL Turbo™

- Up to 100 times faster than SQL Server Full Text Catalog
- Improves SQL Server's ability to deal with large data stores
- Near real-time index updating
- Advanced proximity search
- Closely integrated with SQL Server
- Highly scalable with support for load balancing and cluster failover
- Easy to install, easy to use

Traditional enterprise search solutions often lack speed, are hard to configure and implement, use proprietary data storage and are restrictive in what they allow users to do with the data. Indexing large amounts of text in a SQL Server Full-Text search service can affect the overall performance of SQL Server by reducing CPU time and memory that run SQL Server-based applications. As organizations grow, these limitations often necessitate re-building their applications using a costly replacement enterprise search solution.

What Is SQL Turbo?

SQL Turbo™ is a revolutionary search tool which dramatically increases the speed of SQL Server's free text retrieval while significantly enhancing the performance and data processing range of SQL Server Search applications. Leveraging off the unique SQL-based architecture behind the Quest Search Engine, SQL Turbo adds all the advanced features you need in SQL for building a professional search application—and at a fraction of the price of leading search vendors.

Search and Retrieve

SQL Turbo Index Manager can be launched from within SQL Server Enterprise Manager and the selected database in the Enterprise Manager will automatically become the active database in SQL Turbo. A two-step process, SQL Turbo uses test indexes generated from the SQL Server database and thereafter uses these indexes to search for information. The search query is submitted as a stored procedure and the result set is returned as a normal database record set, exactly the same way as when executing normal SQL in a database. The underlying database architecture gives users far greater flexibility and control over the data when compared to proprietary search vendor solutions. All data is stored in the same place so it can easily be shared with other applications, and users can utilize all the database functionally to query and manipulate the result-set data.

No Need to Throw Away Your Existing Web Site Search

SQL Turbo closely integrates with SQL Server so you don't have to throw away the Web site search development work you have already done. Instead, SQL Turbo will significantly increase the performance, data processing range and the feature set available of your existing SQL Server search.
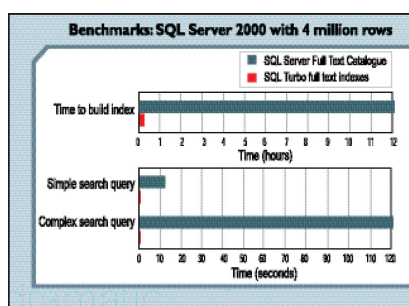
Comparison of standard SQL Server full text search performance against SQL Turbo. Shown are the comparative time to construct the index required to support the search (above), and response time for both simple and complex query (below).

Key features include:

Performance. SQL Turbo updates indexes so quickly that they can be updated in near real time. Information displayed on media, like the Internet, will never be out of date.

Ease of implementation. SQL Turbo provides easy-to-use graphical user interfaces for building and testing text indexes, and SQL Server stored procedures for integrating search functionality into applications.

Scalability. Using SQL Turbo a search query will normally complete in less than a second even when the search engine is under heavy load. Text indexes are normally built in about 10 minutes per 1 million table rows on an average desktop PC.

Technology. The search engine is a thin application layer which sits on top of the SQL Server database utilizing SQL Server's data store and interfacing components. This low overhead, database indexing approach also contributes to SQL Turbo's superior processing speed.

Search Features. SQL Turbo provides advanced search features available in most professional search engines, but because of the tight integration with SQL Server, it gives users a much greater ability to operate on individual database tables and table columns.

SQL Turbo adds all the advanced search features to SQL Server you need for building a professional search application:

- A significant increase in SQL Server's ability to index and search text in large database tables
- Lightning fast full-text search • Near real-time index updating
- Advanced approximate search • Fast fuzzy search
- Index documents pointed to by a path in DB (supports Word, PDF, HTML and more)
- Index Web pages pointed to by a URL in DB
- Easy result-set navigation
- Fast retrieval of record-set counts
- Remove HTML index option
- No limit on the number of indexes that can be managed
- Custom pre-processing of data before indexing
- Runs in a separate process to that of SQL Server
- Can be run on a separate dedicated computer
- Can run in a server group to provide load balancing and fail over—and much more

About Quest Software, Inc.

Quest Software, Inc. delivers innovative products that help organizations get more performance and productivity from their applications, databases and Windows infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Quest helps more than 18,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at **www.quest.com**

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