

SQLOne is a powerful keyword driven database search engine that allows anyone to automatically generate search results for finding business intelligence from their databases. The tool is the first of its kind to enable businesses to produce meaningful search results from a familiar Web-based search engine user interface.

Most database searches require a skilled database administrator to write time consuming SQL queries that target a single database. SQLOne surpasses these limitations by enabling users to do searches that span data stored across multiple databases such as Oracle, SQL Server, and MySQL.

## SQLOne™ Powerful database search engine

Information management and access is a core strategic function critical to any business. In today's competitive marketplace, businesses that can tap into critical decision making information and make it readily available to key stakeholders, will gain advantage. Those that don't will fall behind.

Many large enterprises have their business applications and services scattered across their IT infrastructure, organizations, different applications and databases. The result is that most information remains trapped in multiple database silos that are separate from each other and remain inaccessible to those who need it the most. Current text-based search engines can help to extract information from different types of files, but much of the key data stored in databases remains untapped.

To solve this issue, administrators try to extract information either through the application interfaces themselves or by writing specific SQL queries. But this is often challenging because the desired information is often not readily exposed from the applications, particularly when end users are looking for very specific data such as a customer's complete history in a CRM database. In this example, the data could span across multiple tables such as "completed sales", "pending evaluations", "unsuccessful evaluations," etc. Administrators can also resort to custom data extraction scripts or employ ad-hoc utilities. But both options can be very tedious, complex, and costly.

The situation is even more onerous when users seek business intelligence that is spread across multiple applications and databases. SQLOne is the first search engine that enables users to simultaneously search for data across multiple databases. It accomplishes this from a simple search navigation bar from which users can type their search terms. SQLOne automatically sorts and categorizes these results for easy access. It also has a unique ability to understand table relationships within a database so that search words can identify related terms and find information related to the query that may otherwise be overlooked. In addition, SQLOne automatically generates SQL query results which are used by DB administrators for view creation, report generation and application development. SQLOne also provides the structure of the tables from which the search results are fetched, which is also useful for further data model analysis.

## Key Features and Benefits

- ◆ Searches information scattered across multiple databases providing key stakeholders with access to previously unavailable business intelligence
- ◆ Greatly simplifies database search by using familiar keyword driven, web-based search interface
- ◆ Automatically categorizes search results and displays them in a meaningful context, enabling users to quickly and precisely find the desired result
- ◆ Auto-generates SQL queries enabling administrators to quickly build views and reports for matching results
- ◆ Provides a single, integrated view of data collected from Oracle, SQL Server, and MySQL databases
- ◆ "On-the-fly" Search Result View customization in minutes without having to write a single line of code
- ◆ Includes a powerful SQLOne Administrative Console with the following key features:
  - ◆ Simple to implement custom database search
  - ◆ Wide variety of options to customize search behaviour eg: exposing selective tables and columns for search, customize search result ranking, synonym configuration, search result sort configurations and many more...

Management and monitoring of crawl schedules

- ◆ SQLOne Search integrates seamlessly into standard websites, portal/intranet sites and Web-based applications.
- ◆ SQLOne database search can be integrated in your application by using the powerful XML API. Its a simple HTTP-based API for serving search results in XML format. With SQLOne XML API users have complete control on how the search is executed and how the results are presented to the end users.

### How it Works:

Using SQLOne's simple Web user interface to initiate crawling, indexing and intelligently searching of databases is a breeze.

**Step 1.** Start with the SQLOne Administration Console to select the databases that need to be crawled and indexed for searching. The Crawler automatically generates an index that is referenced during the search.

**Step 2.** Start searching

### SQLOne Administration Console provides many flexible options including:

- ◆ Incremental Search setting, that indexes only data that has changed since the last crawl
- ◆ Schedule indexing on daily, weekly and monthly basis to ensure that searches remain current and relevant
- ◆ User option to protect sensitive information from being crawled preventing it from appearing in search results
- ◆ Partial Search option allowing search with wildcard character "\*" For Example, "Tom\*" will search for any word starting with "Tom"
- ◆ Options to categorize search results, and display them in a meaningful context enabling users to quickly access the desired search result
- ◆ Specify synonyms, variations of words, abbreviations, and map them to an equivalent word
- ◆ Sort search results in any preferred order
- ◆ Editable, template-based WYSIWYG editor to create customized search user interfaces

### SQLOne search extracts the intelligence locked in databases

Searching for relevant information is as easy as doing a **Web-based text** search. Type the keyword you want to search; SQLOne finds the information in the indexed databases and displays all instances of the keywords found.

- ◆ SQLOne's powerful patent-pending search algorithm provides meaningful and relevant search results by mapping relationships that exist between database tables
- ◆ Intelligently ranks search results to provide the most relevant results on top

- ◆ Supports exact match, AND search, wildcard search, table and column specific search and other advanced search options
- ◆ Automatically **categorizes** search results into meaningful categories enabling quick navigation to the desired search result
- ◆ Auto-generates SQL queries along with search results
- ◆ Displays meta information such as Table Name, Primary Key, and Column details of the table(s) (including related tables) from which the search result is fetched

### Where can I use SQLOne Search?

Because SQLOne is used to capture decision-making intelligence residing in databases, any business or organization that has a database can leverage this capability to be more competitive and to make more informed business decisions. With SQLOne you can:

1. Create compelling search capability for public Websites improving overall customer satisfaction and generating increased sales and click throughs. These include: [e-commerce/retail](#), [travel/hospitality](#), [customer service](#), [online directories](#) and [online product catalogues](#).
2. Create search portals for core business applications: SQLOne Search makes it easy to integrate search across mission critical applications including [corporate intranets](#), [knowledge management systems](#), [CRM applications](#), [HR Management](#), [ERP](#), [financial applications](#), etc.
3. Search-enable existing COTS applications: Independent software vendors (ISVs) can integrate the SQLOne search API into their own Java/J2EE products providing customers with a sophisticated and customized product search capability that maximizes the intelligence that can be extracted from their databases.

### SQLOne defines a new category in the Enterprise Search market

The bottom line is that SQLOne empowers customers to quickly find information that is relevant to them. Unlike other search engine technologies, SQLOne goes to the source of intelligence trapped inside databases. Its ability to find and organize information stored in multiple databases combined with its ability to extract key relationships between data from different sources based on keywords, provides a whole new category of intelligent search.

## System Requirements

### Hardware Requirements

Processor: Pentium IV - 1.0 GHz  
RAM: 512 MB  
Disk Space: 200 MB

### Software Requirements

#### Windows

Windows XP with Service Pack 1, Windows 2000 with Service Pack 3, Windows NT 4.0 with Service Pack 6a

#### Linux

RedHat 7.x and above, Debian 3.0, Mandrake 10.x

**Supported JDK:** JDK 1.5 and above

#### Supported Browsers

Internet Explorer 6.0 and above, FireFox 1.0 and above.

Preferred screen resolution is 1024 x 768 pixels or higher.

#### Supported Databases

Oracle 8i, 9i and 10g, MS SQL Server 2000 and 2005, and MySQL 4.x and 5.0

## About AdventNet

Founded in 1996, AdventNet delivers cost effective software solutions that meet the technical and implementation challenges of over 10,000 customers and partners worldwide. Its product portfolio is divided into five core areas and brands: Network & Systems Management (ManageEngine™); Security (SecureCentral™); Web-based Collaboration, CRM and Office Productivity (Zoho); Database Search and Migration (SQLOne); and Test Automation tools (QEngine).

AdventNet and its global network of partners provides solutions to multiple market segments including OEM's, global enterprises, government, education, small and medium-sized businesses and to a growing base of management service providers.

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