

## DT Software Contact Information

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# Detailed information for C/C++ Users

The dtSearch Text Retrieval Engine provides access to the indexing and searching functions of dtSearch. The Engine has APIs for access from C and C++ and from Visual Basic.

## Components

**dtstdll.dll** provides the core indexing and searching functions through a C and C++ function call API. This DLL is 32-bit and based to run under Windows 95 and Windows NT. A non-based version of dtstdll.dll, which will run under Win32s, is also available.

**dtsvba.dll** provides an OLE Automation interface for Visual Basic programmers.

**dtv\_odbc.dll** adds ODBC database indexing for Access, Paradox, and dBASE and FoxPro databases to the dtSearch Engine.

**dtremote.dll** provides an interface for performing remote searches across the internet. The dtSearch Engine must be running on the server machine to process search requests.

## APIs

### Indexing and Searching

The basic indexing and searching API consists of four functions: dtssDoInit and dtssDoShutDown to initialize and de-initialize the Engine, and dtssDoSearchJob and dtssDoIndexJob to build and search indexes.

### In-Memory Searching

Ordinarily the dtSearch Engine writes search results to a disk file that your application can then read. For applications in which the time required to write to disk may introduce an unacceptable delay, the in-memory searching API provides a way to receive search results in a memory buffer.

### External File Parsers

The external file parser API lets you add support for file formats that the dtSearch Engine does not recognize. You can also attach an external file parser to the dtSearch end-user product.

### Data Sources

To index non-file data, use the dtsDataSource object, which enables you to supply text data directly to the indexing engine.

## Internet Searching

The dtSearch Text Retrieval Engine includes, as a sample application with source code, a fully-functional search engine that you can install on a Web server and use to add search capabilities to your web site. It can perform fast indexed searches using the same search features that the dtSearch Engine supports -- fuzzy searching, phonic searching, natural language searching, boolean logic, proximity, etc.

Indexed documents can be in any format that dtSearch supports, such as WordPerfect, Word, WordStar, and RTF. The dtSearch Engine will convert documents as needed to HTML for display, with hits highlighted, using the dtssConvertFile function.

A client-side dll, dtremote.dll, provides a function-call api for initiating searches on remote servers from a client machine.

## Sample Code

The following sample applications are located in the **examples** subdirectory of the dtSearch Engine directory:

### Files

cpp\misc\textdemo.cpp  
cpp\misc\msearch.cpp  
cpp\misc\dsources.cpp

cpp\misc\c\_sample.c  
cpp\web\\*.cpp  
cpp\web\dtremote  
cpp\misc\testcli.cpp

vbasic\\*.\*

### Description

Console-mode indexing and searching application.

Demonstration of in-memory searching.

Demonstration of dtsDataSource API for indexing non-file data sources.

Console-mode indexing and searching application written in C.

Sample internet search server using the dtSearch engine.

Source code to dtremote.dll.

Sample application using dtremote.dll to perform remote searches across the internet.

Sample application using the OLE Automation Server API in dtsvba.dll.

## Detailed information for Visual Basic Users

The dtSearch 32-bit Text Retrieval Engine provides access to the indexing and searching functions of dtSearch through OLE Automation.

This engine is designed for easy access through the 32-bit version of Visual Basic. To access the engine from Visual Basic, do the following:

1. In the Tools menu, choose References. Look for an existing entry for "dtSearch Text Retrieval Engine." If you find one, check the box and skip steps 2 and 3.
2. Choose Browse and select dtsvba.dll. This will add information about dtsvba.dll to your system registry so that the dtSearch Text Retrieval Engine will appear in the Object Browser.
3. Start the Object Browser and select the dtSearch Text Retrieval Engine. You will be able to browse and obtain help on the objects in the engine

For information about dtSearch text retrieval concepts and functions, see the dtSearch User's Manual or on-line help. For a complete sample application using the dtSearch engine from Visual Basic, see the VB subdirectory of the directory where the engine is installed.

### Objects

<b>Object</b>	<b>Description</b>
Server	Initializes the dtSearch indexing and searching engine and provides access to indexing and searching functions.
IndexJob	Create or update an index.
Options	Control how text is treated during an index.
SearchJob	Perform an indexed or unindexed search.

# dtSearch Developer Product Information

"A powerful, flexible lifesaver" -- *Windows Magazine*  
"Industrial-strength ... superb" -- *PC Magazine*  
"Top-notch searching tools" -- *Computer Shopper*  
Editor's Choice, *Law Office Computing*, April/May 1996

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## The dtSearch Text Retrieval Engine

The dtSearch Text Retrieval Engine enables you to incorporate dtSearch's proven, industrial-strength text retrieval technology into your own products for the PC, LAN, or internet server. Features include:

- Easy access from C, C++, Visual Basic, and other programming tools
- OLE automation
- Extensive sample source code, including source code for an internet search server.
- Built-in support for major word processor formats, HTML, and more.
- ODBC support for indexing Access, Paradox, FoxPro, and dBase databases (Win32 version only)

Versions available: 32-bit for Windows 95/NT; 16-bit for Windows 3.x, Win32s for Windows 3.x, 32-bit Linux

Commercial software incorporating the dtSearch Engine is in use on over half a million computers around the world.

[Detailed Information for Visual Basic Users](#)

[Detailed Information for C/C++ Users](#)

### *Prices*

\$9995 for unlimited royalty-free use in a single named application that does not compete with dtSearch.

\$999 for unlimited concurrent users on a single internet server.

\$999 for 1 to 5 concurrent users on a LAN or up to 5 individual PCs

## The dtSearch Toolkit for Electronic Publishers

The **dtSearch Electronic Publisher's Toolkit** provides a search-only version of dtSearch for distribution with a text database on a CD-ROM or floppy disk. The Toolkit has HTML support, giving the electronic publisher:

"live" hypertext links in dtSearch for easy movement through the database,

ability to link to images using dtSearch's built-in image viewer,

display of basic text formatting (italics, underlining, bold, center, indent, etc.) for optimal appearance,

launch capabilities, so the user can click on an icon to send an email, download updates, view the

publisher's web site, etc.

ability to work in an industry-standard format, so the same database will work on the Web and other media

The Toolkit can also be used to publish documents in any other format that dtSearch supports, such as WordPerfect, RTF, Word, etc.

*Prices*

\$1,000 initial fee plus \$10 per user, or  
\$5,000 for a license covering up to 5,000 users

Note: Toolkit licensees assume responsibility for providing technical support to their end-users.



