

ISYS:sdk V6

ISYS:sdk enables software developers to incorporate the power of the ISYS search engine into custom applications, whether for commercial distribution or internal use. ISYS:sdk is used in a variety of different applications, including email archiving, records and document management, recruitment, and document imaging applications.

What are the benefits of ISYS:sdk?

ISYS:sdk provides powerful search functionality across any type of data, from structured databases through to unstructured text and semi-structured web formats; over 125 formats are supported. Developers can therefore integrate search across an entire application; from database fields and stored documents through to web content.

Recognizing that developers want to get on with the job, ISYS:sdk has been designed for simplicity, and requires only a dozen or so calls to achieve most functionality. It's not necessary to spend hours mastering the ISYS API set.

As the world of enterprise software continues to evolve, search technology is often used as a key piece to a larger puzzle. By focusing solely on developing a superior search solution, ISYS enables enterprise software companies to concentrate on the core components of their products, while still accessing best-of-breed search technology.

What's more, we understand how frustrating it can be when you're promised the world in a piece of software, then left hanging when things don't happen the way you expect them to. To ensure our ISYS:sdk customers never have to deal with such trying circumstances, we offer personalized developer-to-developer support that is literally a phone call away.

Who uses ISYS:sdk?

ISYS:sdk is used by a range of high-profile organizations, including Legato Software (a subsidiary of EMC Corporation), TOWER Software, World Software Corporation, Microdec and Konica Minolta. These businesses rely on ISYS:sdk's ability to provide a sophisticated search solution that can be quickly and easily integrated into their products.

How does ISYS:sdk work?

With ISYS:sdk, the core ISYS search engine is provided in a Windows DLL, COM, Java or .NET interface, complete with full documentation and sample programs in C, Visual Basic and Delphi, Cold Fusion and .NET. It features:

- The ability to index and search as many as 2048 million documents, from a broad range of file types.
- A powerful retrieval language with high performance indexing and retrieval, both in speed and index size.
- A small, easy-to-use Basic Retrieval API set plus Advanced API calls to provide additional functionality.
- An external Access Module API for access to additional file formats, including non-standard databases, proprietary data or custom security schemes.

ISYS adds less than a megabyte of in-memory overhead to your application, and time to complete a search depends not on the volume of data being searched but on how big the result is going to be.



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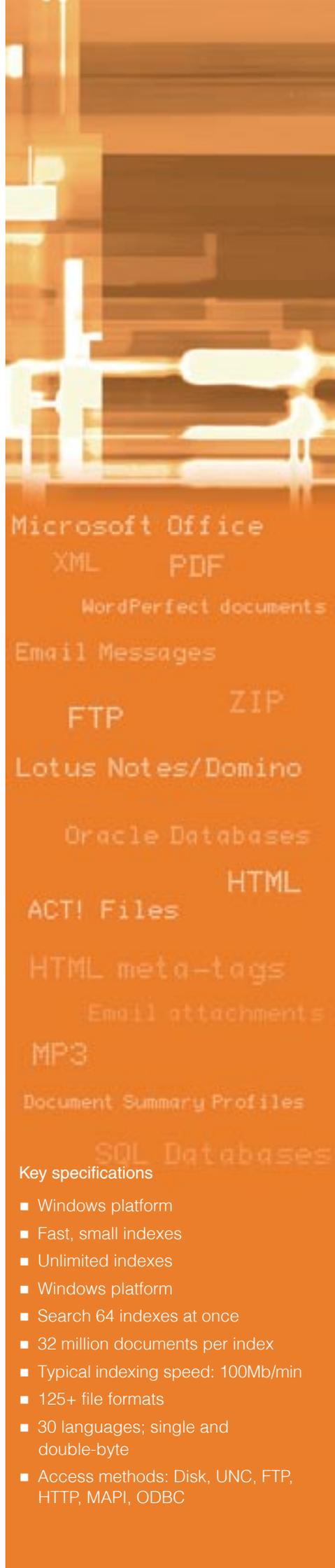
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ISYS:sdk Features

- **Document formats.** The standard ISYS engine recognizes over 125 different formats and can even provide full search functionality on proprietary data through a simple seven-entry-point interface DLL. ISYS does not require the translation of files into a proprietary format before indexing them.
- **Query language.** Queries are passed from your application to the API via ASCII strings expressed in the ISYS query syntax, with operators for Boolean, spatial and natural language queries. ISYS supports named section, labelled paragraph and wild card searching, alphabetic, date or numeric range searching and the following features:
 - **Numbers & dates.** ISYS includes intelligent date handling and recognizes numeric quantities regardless of how they are expressed.
 - **Conflation.** Search all tense forms, for example 'worked' would also retrieve 'work', 'working' and 'workers' but not 'workstation'.
 - **Multiple languages.** ISYS supports all major languages, including English, French, Spanish, Italian, German, Arabic, Thai, Portuguese, Korean, Japanese, and Simplified and Traditional Chinese. Users can combine multiple languages in a single query.
 - **Intelligent Agent.** The ISYS Intelligent Agent API lets your applications track newly found information according to particular criteria, and differentiate it from information which has already been seen.
 - **Synonyms and thesaurus.** ISYS provides for user-defined synonyms, as well as featuring a built-in thesaurus that can be automatically included in searches.
 - **Taxonomy.** ISYS includes support for taxonomies which are defined by rules that are applied at taxonomy expansion time.
 - **Fuzzy searching.** ISYS automatically adjusts for many OCR scanning or typographical errors without operator intervention.
- **Interface.** The ISYS API consists of function calls, or COM Objects, arranged into several logical groups: Basic Retrieval; Advanced Retrieval; General Utilities; High-Level Indexing; Low-Level Indexing; External Access Modules; Result-List Manipulators; Annotations; Taxonomy; Synonym Rings; Named Sections and Intelligent Agents.
- **Document viewing.** The ISYS Engine does not impose a foreign UI upon your application. You retain complete control of all aspects and presentation, including document viewing. ISYS provides the tools to obtain text from, and to navigate through, found documents. Your application is responsible for setting up windows and view controls to display the information. It does not, however, have to include filters to read the various word processor document formats - all access to the text and hit information for value-added mark-up is via the ISYS Engine.
- **Indexing API.** ISYS indexing may be performed at three levels. At the highest level, a configuration file contains a rule-based mechanism for describing how documents located on various volumes and data sources should be treated. The second indexing mechanism bestows upon the application complete control of the indexing and de-indexing process. The third method is 'transactional indexing'; the construction of a transaction file containing statements of fact. This is read by the ISYS engine and the index updated accordingly. At its simplest, updating an ISYS index can consist of a single line of code.
- **Custom security filters.** Use built-in filters, or build custom filters to manage access to documents based on application-defined user privileges.



Microsoft Office
XML PDF
WordPerfect documents
Email Messages
FTP ZIP
Lotus Notes/Domino
Oracle Databases
HTML
ACT! Files
HTML meta-tags
Email attachments
MP3
Document Summary Profiles
SQL Databases

Key specifications

- Windows platform
- Fast, small indexes
- Unlimited indexes
- Windows platform
- Search 64 indexes at once
- 32 million documents per index
- Typical indexing speed: 100Mb/min
- 125+ file formats
- 30 languages; single and double-byte
- Access methods: Disk, UNC, FTP, HTTP, MAPI, ODBC