

## ISYS:sdk 8

As ISYS® Search Software's embedded search solution, ISYS:sdk 8 enables software developers and system integrators 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; e-discovery; records, document and content management; computer-aided design; recruitment; document imaging applications and more.

### What are the benefits of ISYS:sdk?

ISYS:sdk offers powerful search functionality across any type of data, from structured databases through to unstructured text and semi-structured web formats; it provides a multi-platform solution (Windows and Linux) supporting more than 200 formats. Developers can therefore integrate search across an entire application; from database fields and stored documents 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 days 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 EMC Corporation, Autodesk, TOWER Software, Aderant, Astea, Scentric, World Software Corporation, Konica Minolta, Microdec and more. 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?

ISYS:sdk provides DLL/shared object, COM, Java and .NET support, complete with full documentation and samples written in C, Visual Basic, Delphi, ASP and C#. It features:

- The ability to index unlimited documents and search several billion documents in a single query, from a broad range of document formats. ISYS indexes are self-tuning, requiring minimal maintenance or internal resources.
- A semantically rich query 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 document types, including non-standard databases, proprietary data or custom security schemes.
- The ability to index and search application-specific metadata alongside documents.

The core ISYS engine adds only three megabytes 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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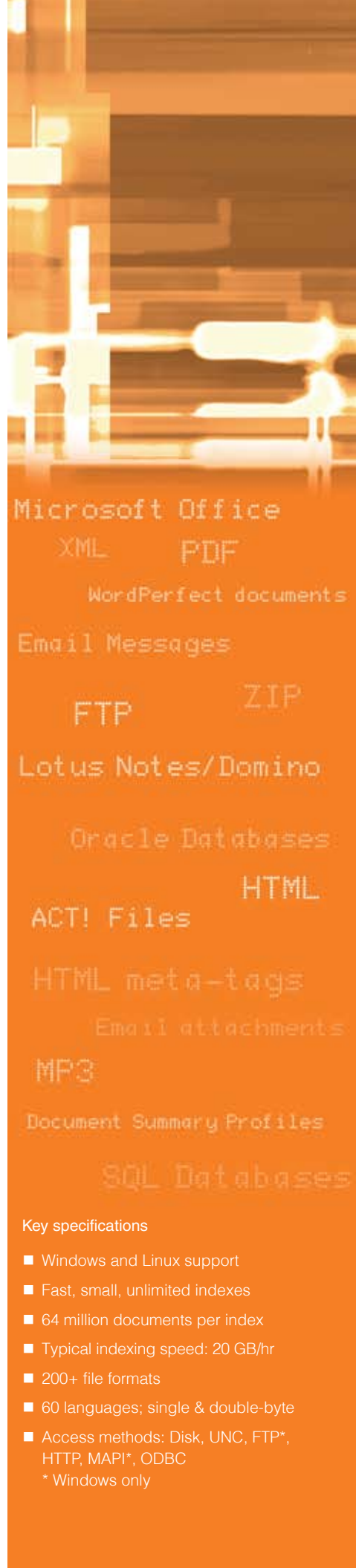
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## ISYS:sdk 8 Features

- **Document formats.** ISYS recognizes more than 200 different formats and provides 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 or Unicode strings expressed in the ISYS query syntax, with operators for Boolean, proximity, web-style and natural language queries. ISYS supports named section, labeled paragraph and wild card searching, alphabetic, date or numeric range searching, and the following features:
  - **ISYS Entities.** ISYS automatically extracts and presents entities such as people, email addresses and locations, which in turn enables users to discover associations and connections between their search terms and the entities present in their content.
  - **On-The-Fly Categorization.** Once a query is performed, ISYS provides users with the ability to drill down and refine a results set via On-The-Fly Categorization.
  - **Synonyms and thesaurus.** ISYS offers user-defined synonyms, installable synonymys, and a built-in thesaurus that can be automatically included in searches.
  - **Multiple languages.** ISYS supports all major languages, including English, French, Spanish, Italian, German, Arabic, Thai, Portuguese, Korean, Japanese, and Simplified and Traditional Chinese. Indexes can include any combination of languages.
  - **Numbers and dates.** ISYS includes intelligent date handling and recognizes numeric quantities regardless of how they are expressed.
  - **Taxonomy.** ISYS provides 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.
  - **Hit highlighting.** Instantly locate key terms via hit highlighting and hit-to-hit navigation.
- **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 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, such as NTFS ACLs, 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 and Linux support
  - Fast, small, unlimited indexes
  - 64 million documents per index
  - Typical indexing speed: 20 GB/hr
  - 200+ file formats
  - 60 languages; single & double-byte
  - Access methods: Disk, UNC, FTP\*, HTTP, MAPI\*, ODBC
- \* Windows only