White Paper 2016

Get Better PDF Search Results With Foxit PDF IFilter - Server

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The Need for PDF Search

PDF has become the overwhelming file format of choice for storing documents on the cloud since it is a robust and open standard for document display and it works with just about any application, hardware device, and operating system. Whether you're posting a document on the Internet or storing important company documents in an archive, PDF has become a mission critical technology for most organizations.

As a result, the growth in the number of PDF documents has exploded. There are numerous times when users need to locate specific PDF files to comply with IT governance, legal concerns, industry regulations, and more. With the tremendous number of PDF documents, finding the one you need is like finding a needle in a haystack.

Search and Index Overview

Typically users utilize search technology to find the files they are looking for quickly and easily. Common search engine environments include Microsoft® SharePoint® Server, Microsoft Exchange® Server, SQL® Server and Windows® Indexing Server. The user interface for searching for these documents may be Windows Explorer®, a web browser, database front-end, query script, or a custom application.
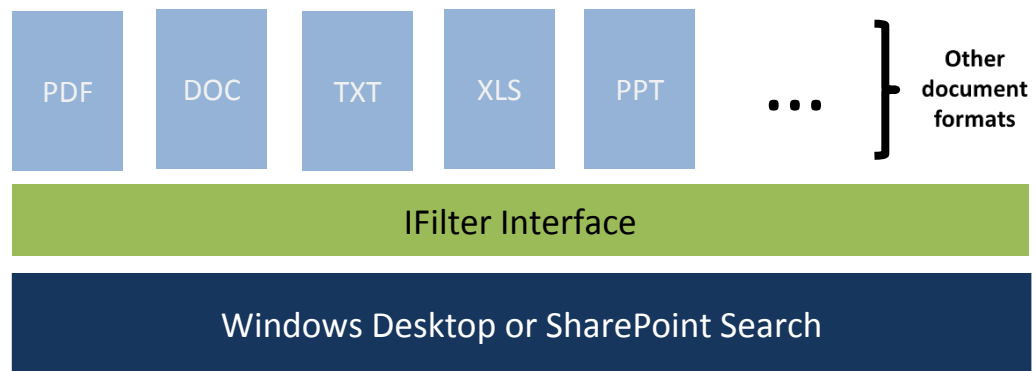
A search engine usually works in two steps:

1) The search engine goes through a designated place (like a file folder), indexes all documents or newly modified documents, and then stores indexing results in an internal database. Indexing is when search engines "crawl" through files to collect and store content and property data (also called attributes) so when users perform a search, the performance will be much faster.
2) Users specify search terms they would like to search, the search engine looks for the search terms in the indexing results in the internal database, and then responds to users with all the documents that contain the specified search terms.

During step 1, the search engine itself needs to understand the format of a document in order to index it properly. Unfortunately, Microsoft server search software only supports Microsoft Office® files formats and therefore cannot properly index PDF files.
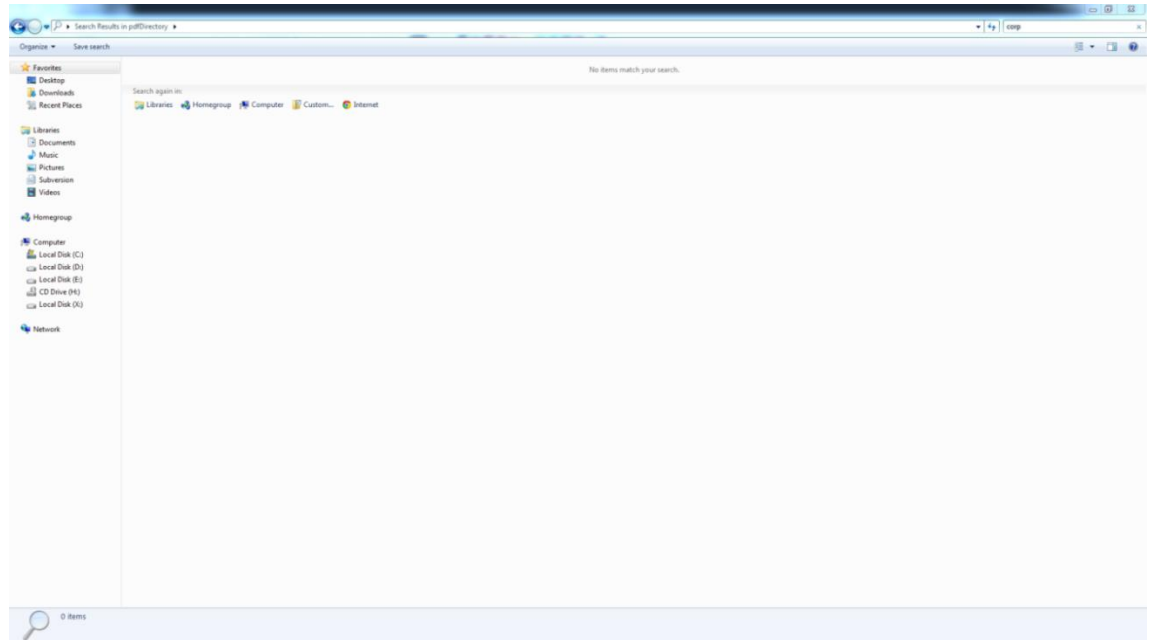
IFilter Architecture

Luckily these Microsoft search engines support the IFilter architecture – an IFilter is a plugin that allows search engines to index the contents of large numbers of different file formats. When an index is started, the search engine will look in the registry to see if any IFilters exist on that system. Installing a PDF IFilter allows search engines to index PDF files to provide accurate and efficient search of PDF documents and forms.
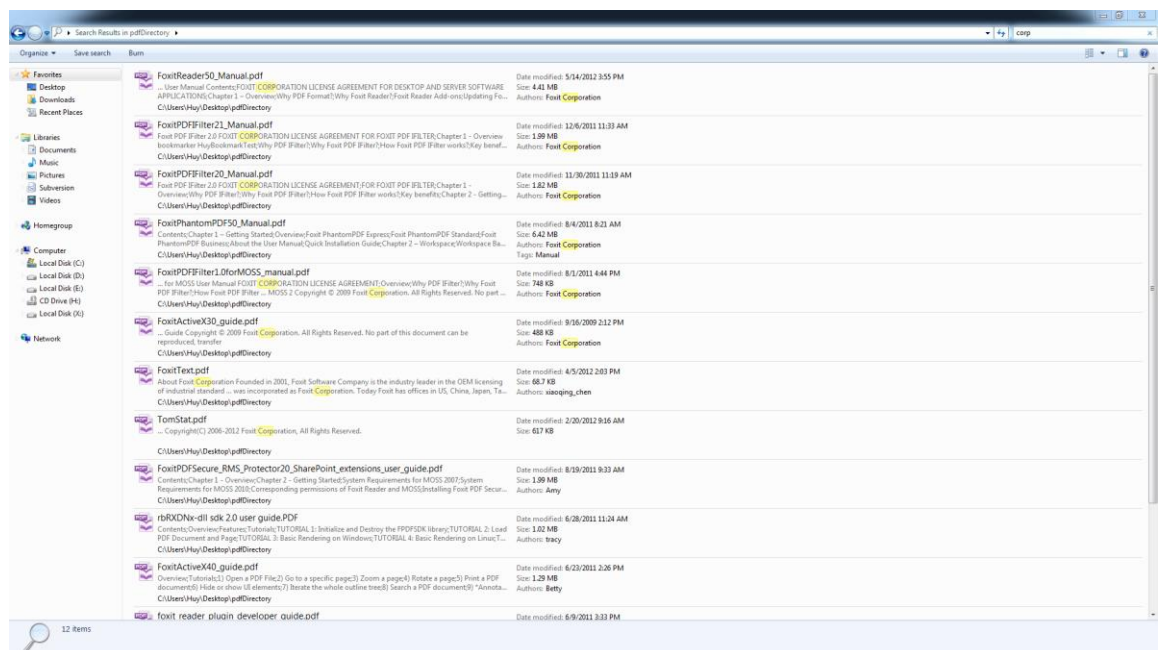

Here is an example of how Foxit PDF IFilter – Server can provide better search results than just Windows search alone. In the screen shot below, we search on "corp" in the search engine located in the top right hand corner of Windows Explorer. The default windows search provides no search results.

Get Better PDF Search Results With Foxit PDF IFilter - Server

After installing Foxit PDF IFilter – Server, we perform that same exact search in the same exact file system and quickly get great search results from PDF files. Since the index can now understand the PDF format, PDF files with "corp" in the content, tags, and authors can be quickly displayed in the search results.

Performance and Scalability Are Essential

Indexing a large amount of files can take a very long time and tie up valuable computing resources, therefore indexing speed is essential. Today's server systems come in 64-bit, multi-threaded, multiple core architectures that will dramatically increase performance of software that has been optimized for them. So, it's important to have a PDF IFilter that takes advantage of the computing power that today's systems provide.

Search for PDF Documents with the Fastest PDF IFilter on the Market

Foxit® PDF IFilter – Server is a plugin that allows the Windows Indexing Service and the newer Windows search technologies to index PDF file formats so that they become searchable. Built on Microsoft IFilter indexing interface, Foxit PDF IFilter extracts PDF documents attributes and returns the index results to search engine software on Microsoft Windows.

Foxit PDF IFilter - Server is designed to unleash the computing power of today's advanced architectures to perform indexes at blazing speeds. Unlike other IFilter products, it takes full advantage of today's multi-core server architectures, is thread safe, and is available for both 32-bit and 64-bit operating systems - making it the absolutely fastest PDF IFilter available. Foxit PDF IFilter - Server extracts data from PDF documents and returns the index results to search engine software. Since it supports ISO 32000-1 (which is based upon PDF 1.7), PDF-A, multiple languages (including right-to-left languages), and Adobe® PDF files, it will work with all your existing PDF documents.

Independent tests show just how much faster the Foxit PDF IFilter - Server really is. A summary of Microsoft's performance tests is below. Microsoft's tests show Foxit PDF IFilter – Server finishes the index in 32 minutes, where Adobe PDF IFilter took 4 hours and 27 minutes. In very large server environments, other PDF IFilters can take days, certainly not fast enough for the speed of business.
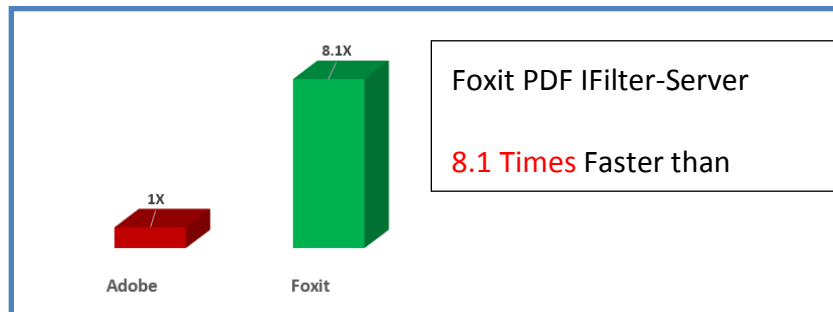
Adobe PDF IFilter 11.0.01	Foxit PDF IFilter 3.1.1
10,901 PDF Files in 97 folders, 7.17 GB total	10,901 PDF Files in 97 folders, 7.17 GB total

Foxit PDF IFilter-Server

8.1 Times Faster than

Get More Precise PDF Search Results

How many times have you performed searches and received so many search results that it took forever to look at them all to find what you need? Foxit PDF IFilter – Server helps alleviate that problem by indexing PDF document content, titles, subjects, authors, keywords, PDF portfolios, annotations, text and data from forms (both standard PDF and XFA forms), bookmarks, attachments, create time/date, number of pages and the names of the creating applications. By indexing on all these attributes, Foxit PDF IFilter – Server can support more focused search terms to supply more precise search results.

Economic Benefits

Users will benefit from quick search performance, but the main reward is economic. Foxit PDF IFilter - Server's superior speed and scalability reduce customers' total cost of ownership through decreased costs of:

- Server hardware
- Data center floor space
- Power and cooling
- Server administration

Foxit PDF IFilter – Server Environment Requirements

Foxit PDF IFilter – Server support the following environments:

- Foxit PDF IFilter functions in the following search engine environments:
- – Microsoft SharePoint Server
- – Microsoft Exchange Server
- – SQL Server
- – Windows Indexing Server

As an alternative to interactive searches, queries can also be submitted programmatically without any user interface on the following Windows operating systems:

- Windows Server 2012
- Windows 10
- Windows 8
- Windows 7
- Windows Vista
- Windows Server 2008
- Windows Server 2003

Conclusion

For enterprises with a large amount of PDF documents, are in industries that require long term document archival, or are in industries that have high information regulation requirements, Foxit PDF IFilter – Server provides the ability to quickly find specific PDF documents from large file systems.

By turning on the full power to today's high performance server architectures, Foxit PDF IFilter - Server offers the super-fast PDF indexing speed and maintains indexing accuracy. Users can use Foxit PDF IFilter - Server to index their PDF documents by content, titles, subjects, authors, keywords, PDF portfolios, annotations, text and data from forms (both standard PDF and XFA forms), bookmarks, attachments, create time/date, number of pages and the names of the creating applications. Foxit PDF IFilter – Server is seamlessly integrated with Microsoft search engine so there is no additional training costs to users or additional platforms for IT to manage.

Get Better PDF Search Results With Foxit PDF IFilter - Server

To see for yourself how Foxit PDF IFilter – Server can greatly improve your PDF search capabilities, try it free for 30 days. Foxit PDF IFilter – Server can be downloaded for a free 30-day trial by clicking here.

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Feel free to contact us should you need any information or require support for our products.

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Anti-Grain Geometry -Version 2.3

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