

# **Foxit PDF IFilter 1.0**

**For Windows SharePoint Services 3.0**

## **User Manual**

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Anti-Grain Geometry - Version 2.3

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# License Agreement for Foxit PDF IFilter

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# Overview

Welcome to Foxit PDF IFilter 1.0 -- a professional tool that helps you to index PDF files.

Foxit PDF IFilter is an application designed to help users index a large amount of PDF documents and then quickly find text within these documents. The PDF documents can not only be files, but also email attachments or database records.

Foxit PDF IFilter supports PDF 1.7 specification and can be used in many Microsoft search engines, such as Windows Indexing Service, MSN Desktop Search, Internet Information Server, SharePoint Portal Server, Windows SharePoint Services (WSS), Site Server, Exchange Server, SQL Server and all other products based on Microsoft Search technology. With Foxit PDF IFilter, all these search engines can find PDF files with ease.

## Why PDF IFilter?

PDF IFilter is necessary for several reasons listed below:

- Microsoft creates and maintains office file formats, such as .doc, .xls, .ppt, etc. However, many other file formats are created and maintained by other companies. For example, PDF was created by Adobe.
- With the advantages of security, reliability and accessibility, PDF is now being used by more and more people all over the world.
- PDF IFilter is a plug-in that allows Microsoft search engines to index PDF files so that they become searchable. Without an appropriate PDF IFilter, contents of a PDF file cannot be indexed.

## Why Foxit PDF IFilter?

Foxit PDF IFilter is favored by a large number of government organizations and well-known companies because of the following reasons:

- Foxit PDF IFilter helps to do a two-stage search – Index and Search, which makes finding information much easier.
- Foxit PDF IFilter supports multi-threading and makes full use of multi-CPU/core in a server.
- Foxit PDF IFilter supports native 64-bit code.
- Smaller and faster than other PDF IFilters.

- Supports Chinese/Japanese/Korean PDF documents.

## How Foxit PDF IFilter works?

Foxit PDF IFilter acts as a plug-in for full-text search engines. A search engine usually works in two steps:

Step 1, the search engine goes through a designated place, e.g. a file folder or a database, and indexes all documents or newly modified documents, including PDF documents, in the background and creates internal data to store indexing result.

Step 2, a user specifies some keywords he/she would like to search and the search engine answers the query immediately by looking up the indexing result and responds to the user with all the documents that contains the keywords.

During Step 1, the search engine itself doesn't understand format of a PDF document. Therefore, it looks in windows registry for an appropriate PDF IFilter and finds the Foxit PDF IFilter. Foxit PDF IFilter understands PDF format. It filters out embedded formatting and extracts text from the document and return text back to the search engine. Further information about IFilter specification can be found on the [Microsoft Web site](#).

## Key benefits

Here's a list of benefits that Foxit PDF IFilter brings to you:

- Integrates with existing operating systems and tools within your company.
- Provides an easy solution to search within PDF documents located on local computer, local network and intranet.
- Greatly increases your ability to accurately locate information.
- Much smaller and faster than IFilter offered by other vendors.
- Supports Chinese/Japanese/Korean PDF documents.
- Supports native 64-bit code.
- Supports multi-threading and takes full use of multiple-CPU in a server.

# Getting Started

This section provides everything you'll need to know about getting started with Foxit PDF IFilter, including its system requirement, installation and uninstallation.

## System requirements

For the information on the system requirements for Foxit PDF IFilter for Windows Sharepoint Services 3.0, please refer to the system requirements for Windows Sharepoint Services 3.0 at <http://technet.microsoft.com/en-us/windowsserver/sharepoint/bb684454.aspx>.

In addition, the environment must also contain Windows SharePoint Services 3.0.

## Installing Foxit PDF IFilter

Foxit PDF IFilter has two versions respectively for 32-bit Windows and x64 Windows. You can choose one of them to install into your machine according to your system requirements. Before installing Foxit PDF IFilter, please note that Microsoft SharePoint Services 3.0 has been installed successfully.

To install Foxit PDF IFilter 1.0, please do the following:

- 1 Download Foxit PDF IFilter from Foxit Website (<http://www.foxitsoftware.com>) onto the machine where you wish to install it.
- 2 Run the Foxit PDF IFilter 1.0 Setup program to install the IFilter.
- 3 Add the following registry entry, and then set the registry entry value to pdf:

`HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\Search\Applications\<GUID>\Gather\Search\Extensions\ExtensionList\38`

Please do the following:

- Click **Start > Run**, type "regedit", and then click **OK**.
- In "Registry Editor" dialog box, locate and then click the following registry subkey:  
`HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\Search\Applications\GUID\Gather\Search\Extensions\ExtensionList`
- On the **Edit** menu, point to **New**, and then click **String Value**.

- Type 38, and then press ENTER.
  - Right-click the registry entry that you created, and then click **Modify**.
  - In the **Value data** box, type pdf, and then click **OK**.
- 4 Verify that the following two registry subkeys are present and that they contain the appropriate values.

**Note:** These registry subkeys and the values that they contain are created when you installed the Foxit PDF IFilter on the server.

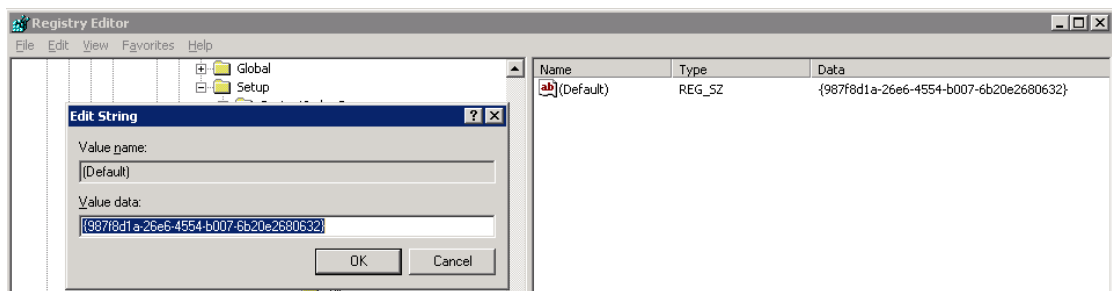
- Locate and click the following registry subkey:  
[HKEY\\_LOCAL\\_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\Search\Setup\ContentIndexCommon\Filters\Extension\pdf](#)

This registry subkey must contain the following registry entry:

**Name:** Default

**Type:** REG\_SZ

**Data:** {987f8d1a-26e6-4554-b007-6b20e2680632}



- Locate and click the following registry subkey:  
[HKEY\\_LOCAL\\_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\Search\Setup\Filters\pdf](#)

This registry subkey must contain the following registry entries:

1) **Name:** Default

**Type:** REG\_SZ

**Data:** (value not set)

2) **Name:** Extension

**Type:** REG\_SZ

**Data:** pdf

3) **Name:** FileTypeBucket

**Type:** REG\_DWORD

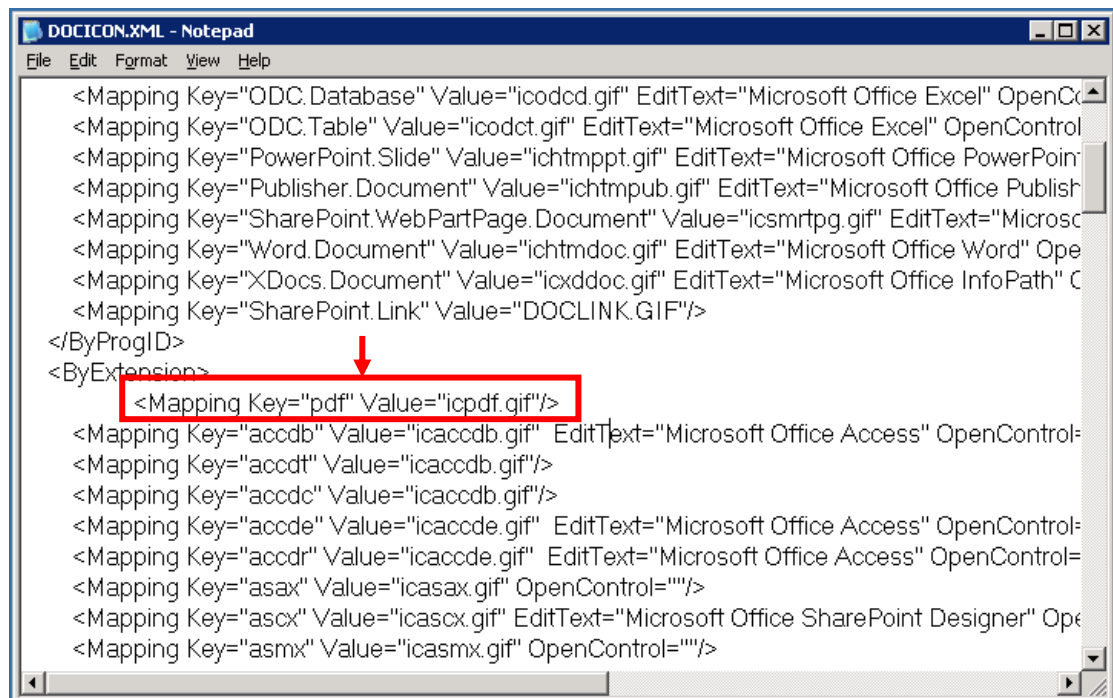
**Data:** 0x00000001 (1)

**4) Name: MimeTypes****Type: REG\_SZ****Data: application/pdf**

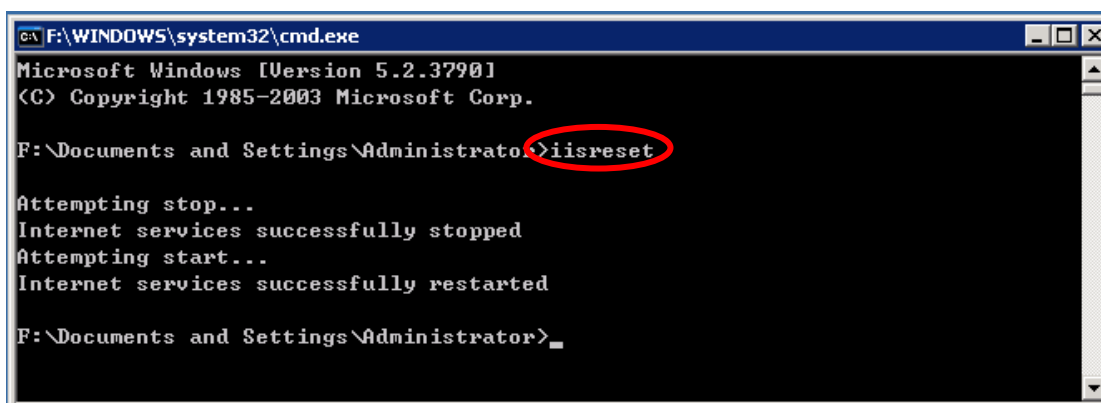
Name	Type	Data
(Default)	REG_SZ	(value not set)
Extension	REG_SZ	pdf
FileTypeBucket	REG_DWORD	0x00000001 (1)
MimeTypes	REG_SZ	application/pdf

- 5 Download PDF icon from <http://www.foxitsoftware.com/pdf/ifilter/icpdf.gif>.
- 6 Copy the downloaded .GIF file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\Template\Images".
- 7 Edit the file "Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\12\Template\Xml\DOCICON.XML":
  - Right-click DOCICON.XML file > click **Open With** > select **Notepad**.
  - Add an entry for the .pdf extension. For example, where ICPDF is the name of the .gif file:

```
<Mapping Key="pdf" Value="icpdf.gif"/>
```



- On the **File** menu, click **Save**, and then quit Notepad.
- 8 Perform an iisreset:
    - Click **Start** > **Run** > type "cmd" in the **Open** line > click **OK** > type "iisreset" at the command prompt > hit **Enter**.

A screenshot of a Windows command prompt window. The title bar reads 'c:\WINDOWS\system32\cmd.exe'. The window content shows the following text: 'Microsoft Windows [Version 5.2.3790] (C) Copyright 1985-2003 Microsoft Corp. F:\Documents and Settings\Administrator>iisreset'. The command 'iisreset' is circled in red. Below the command, the output reads: 'Attempting stop... Internet services successfully stopped Attempting start... Internet services successfully restarted F:\Documents and Settings\Administrator>'.

```
c:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

F:\Documents and Settings\Administrator>iisreset

Attempting stop...
Internet services successfully stopped
Attempting start...
Internet services successfully restarted

F:\Documents and Settings\Administrator>
```

- Close the window.

### Notes:

1. Foxit PDF IFilter appears in the list of programs on the Programs Start Menu after installation.
2. Foxit PDF IFilter has no user interface.
3. The installation package will unzip a language file called `fpdfcjk.bin` into the installation folder, which will help you to index PDF documents containing Chinese/Japanese/Korean characters.

## Updating Foxit PDF IFilter

When updating Foxit PDF IFilter, you need to uninstall the old version of Foxit PDF IFilter to install the new one. You do not have to reboot your machine after update.

Generally speaking, Foxit PDF IFilter consists of a core layer and an installation layer. When you upgrade the installation layer, you do not need to re-do a full crawl. But when you upgrade the core layer, you can decide if you need to rebuild the index on your computer according to the importance of the updates by checking “what’s new” details on Foxit’s official website.

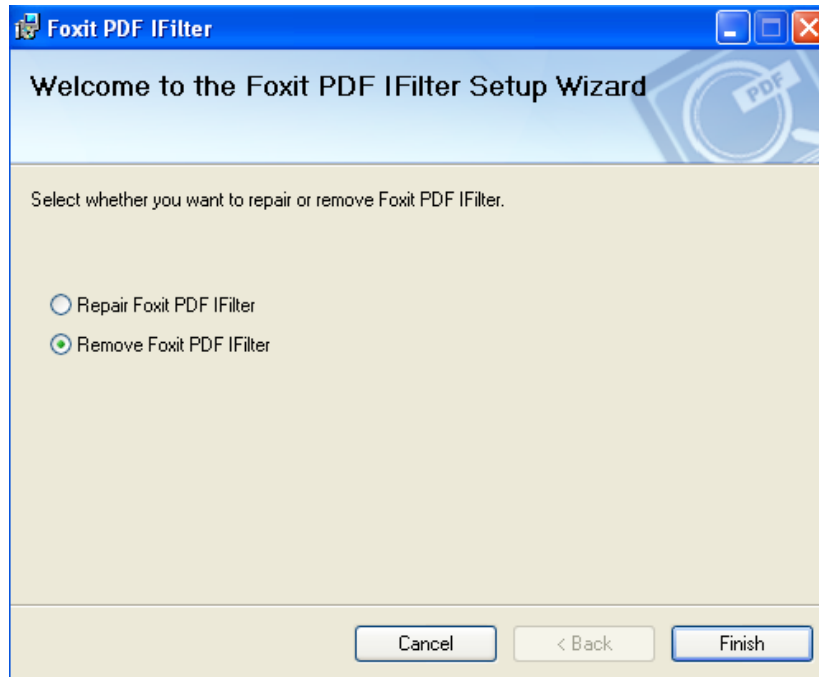
## Uninstalling Foxit PDF IFilter

To uninstall Foxit PDF IFilter, please perform the following:

- Open the Start Menu > Settings > select “Control Panel”.
- Click on the “Add or Remove Programs” tab.
- Click on the “Foxit PDF IFilter” record and then on the “Remove” button to uninstall it.

Or you can double-click the Foxit PDF IFilter.msi setup file that you have used to install Foxit PDF IFilter, and do the following:

- In the Foxit PDF IFilter dialog box, select Remove Foxit PDF IFilter.



- Click the Finish button to uninstall it completely.

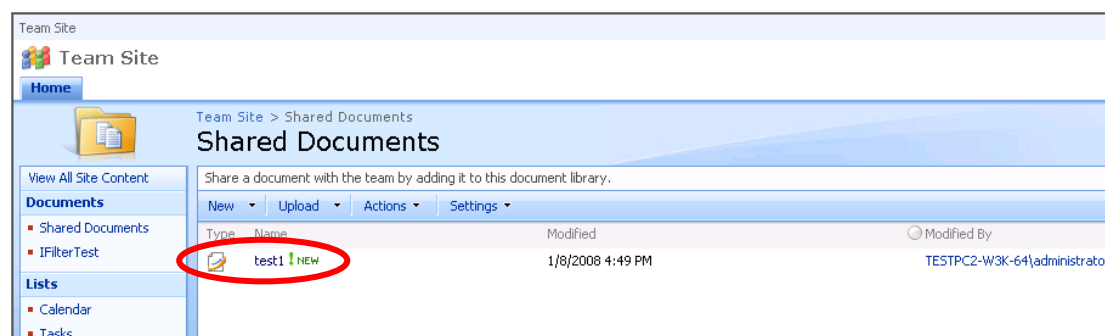
# Working with Foxit PDF IFilter

Foxit PDF IFilter is able to search text in PDF files. After you install Foxit PDF IFilter, you should upload your PDF documents with Windows SharePoint Services (WSS) before you start searching.

## Uploading PDFs

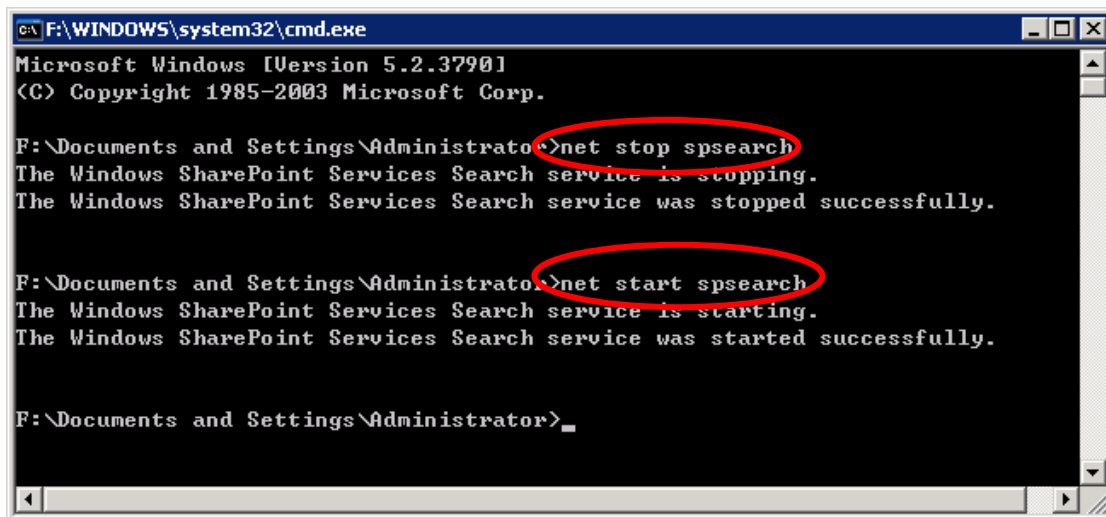
To upload PDF files to Windows SharePoint Services 3.0, please do the following:

1. Open your **Windows SharePoint Services** site and click **Shared Documents**.
2. On the **Upload** menu, please click **Upload Document**.
3. Click the **Browse** button to upload a PDF document and click **OK**. When it has been uploaded, you will be returned to the Documents page where you will see that your PDF file has been uploaded.



### **Uploading a PDF file**

4. Stop and then start the Windows SharePoint Services Search service. Please do the following:
  - Click **Start > Run**, type "cmd", and then click **OK**.
  - Stop the Windows SharePoint Services Search service. To do this, please type "net stop spsearch" at the command prompt, and then press ENTER.
  - Start the Windows SharePoint Services Search service. To do this, please type "net start spsearch" at the command prompt, and then press ENTER.
  - Exit the command prompt.



```
C:\F:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

F:\Documents and Settings\Administrator>net stop spsearch
The Windows SharePoint Services Search service is stopping.
The Windows SharePoint Services Search service was stopped successfully.

F:\Documents and Settings\Administrator>net start spsearch
The Windows SharePoint Services Search service is starting.
The Windows SharePoint Services Search service was started successfully.


F:\Documents and Settings\Administrator>
```

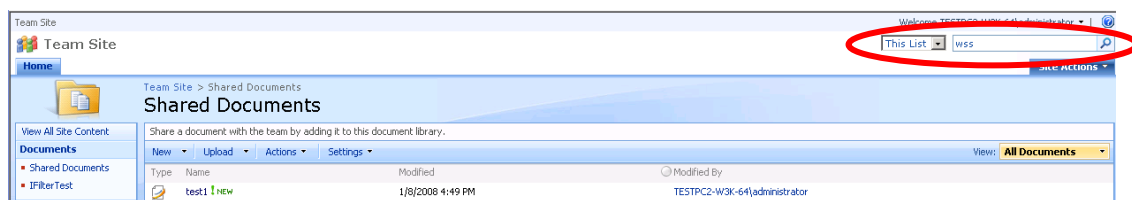
*The command prompt*

## Searching PDFs

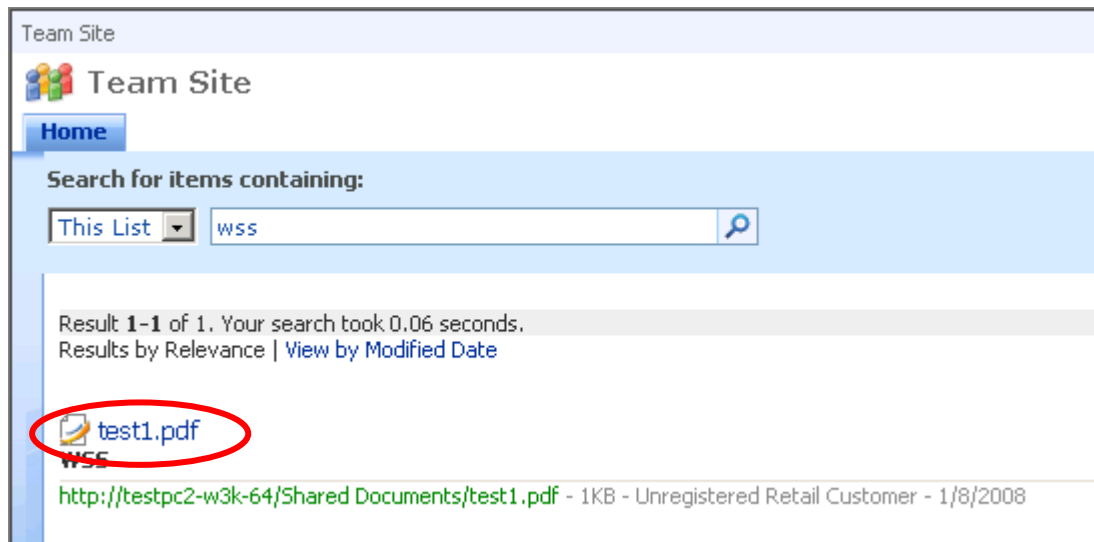
After you finish uploading PDF files, you can start a search to find text within PDF files. Also, you can search PDF document properties, such as author, title, etc.

To start a search, please perform the following:

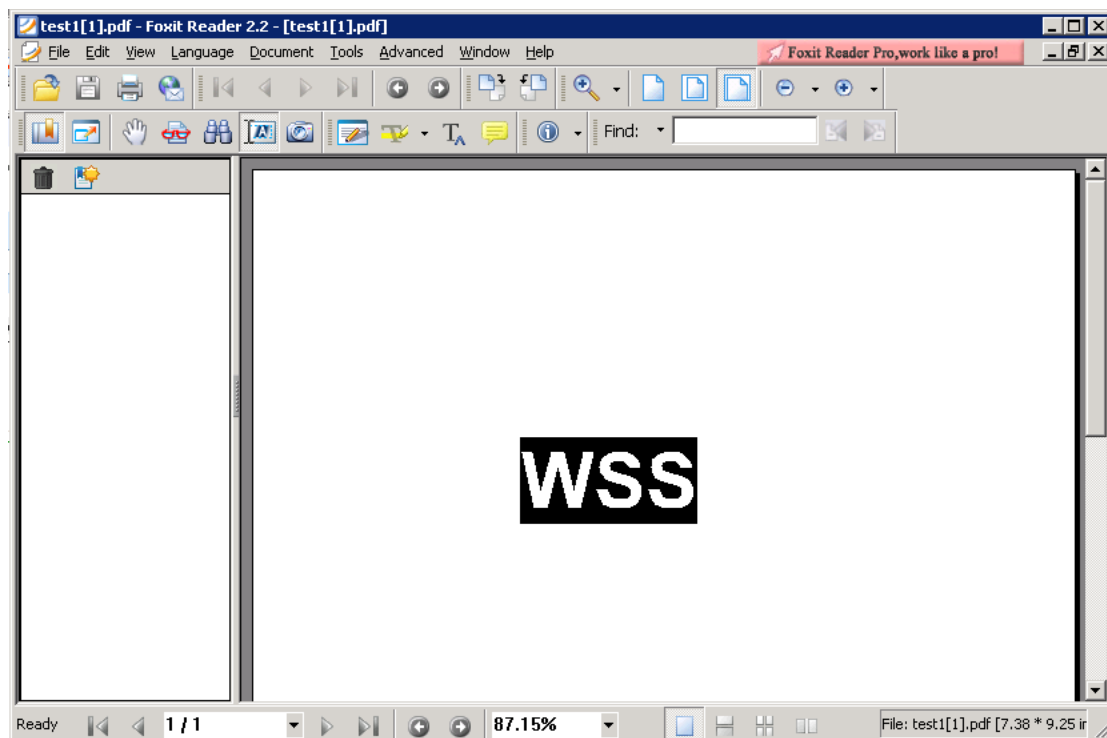
- Go to the **Shared Documents**, please type the text you want to search in the search box > and then click the **Search** button .



- You will see your search results. Click to open one of the PDF files.



**Search results**



**Open one of the search results**

**Note:** If the Windows SharePoint Services 3.0 Web site already had PDF documents before you installed the Foxit PDF IFilter on the server, you may have to perform an additional step. After you install and configure the Foxit PDF IFilter on the server, modify a property of the existing PDF documents on the server. For example, modify a metadata property such as the title, or upload the PDF documents to

*the Windows SharePoint Services Web site again. When you do this, the Windows SharePoint Services Search service crawls the existing PDF documents again.*

## **More Help**

For more information on how to work with Windows SharePoint Services (WSS), please refer to Windows SharePoint Services (WSS) Help included in the product.

# Additional Information

## Microsoft Developer Support

Foxit PDF IFilter is a Dynamic Link Library (DLL) file that provides a bridge between a Microsoft indexing client and a library of PDF files. It consists of code that understands the PDF Format as well as code that can interface with the indexing client. When an indexing client needs to index content from PDF files, it will look in its registry for an appropriate DLL and will find the Foxit PDF IFilter. Foxit PDF IFilter will return text to the indexing client. The indexing client will then index the results and return the appropriate results to the user.

## Language Support

This section lists languages supported by Foxit PDF IFilter 1.0.

- German
- French
- Italian
- English
- Spanish
- Portuguese
- Russian
- Chinese (traditional and simplified)
- Korean
- Japanese
- Arab
- Hebrew

# FAQ

## **1. What is Foxit PDF IFilter?**

Foxit PDF IFilter is an application designed to help users index a large amount of PDF documents and then quickly find text within these documents. It acts as a plug-in for full-text search engines that scans documents for text and properties (also called attributes), extracts text from documents, filters out formatting and retaining information about text position, and extracts properties of an entire document.

## **2. Is Foxit PDF IFilter free?**

Foxit PDF IFilter can be used for free on desktop environment. However, users need to purchase licenses when they use Foxit PDF IFilter on server environments.

## **3. I have a computer with one hyper-threading processor inside. Do I need to buy a license for 2 CPUs for the machine?**

We will only count the “real” numbers of processors reported by your system. Please go to Start > Programs > Accessories > System Tools > System Information to check your CPU numbers.

## **4. What is the Foxit PDF IFilter's role in the PDF indexing process and PDF text search?**

Foxit PDF IFilter acts as a plug-in for full-text search engines. A search engine usually works in two steps:

Step 1, the search engine goes through a designated place, e.g. a file folder or a database, and indexes all documents or newly modified documents, including PDF documents, in the background and creates internal data to store the indexing result.

Step 2, a user specifies some keywords he would like to search and the search engine answers the query immediately by looking up the indexing result and responds to the user with all the documents that contain the keywords.

During Step 1, the search engine itself doesn't understand the format of a PDF document. Therefore, it looks in the windows registry for an appropriate PDF IFilter and finds the Foxit PDF IFilter. Foxit PDF IFilter understands the PDF format. It filters out embedded formatting and extracts text from the document and returns text back to the search engine. Further information about IFilter specification can be found on the Microsoft Web site.

## **5. Do I have to remove Adobe PDF IFilter to install Foxit PDF IFilter?**

Yes.

## **6. How to verify the correct installation of Foxit PDF IFilter?**

Firstly, please check if Foxit PDF IFilter appears in the list of programs on the Program Start Menu after installation.

Secondly, you can download IFilter detection tools to inspect IFilter installation information in the registry, e.g. the filtreg.exe program.

Thirdly, install Windows Desktop Search to verify if the text in PDF files can be found.

## **7. How to upgrade Foxit PDF IFilter? Do I need to reboot the machine?**

You need to uninstall the old version of Foxit PDF IFilter to install the new one. You do not have to reboot your machine after update.

## **8. Do I have to rebuild index after updating?**

That depends. Foxit PDF IFilter consists of a core layer and an installation layer. When you upgrade the installation layer, you do not need to re-do a full index. But when you upgrade the core layer, you may need to rebuild index on your computer.

## **9. Why can't I find some PDF files?**

There might be three reasons:

First, Foxit PDF IFilter cannot index password-protected PDF files.

Second, the PDF file doesn't contain searchable text. You can check if there is searchable text in the PDF file by opening it in Foxit Reader and selecting the text with the Select Text tool. Or you can enter into the Text Viewer mode to select text. If neither method highlights any text, it is likely that the PDF contains a source image of text which Foxit PDF IFilter can not index.

Third, the PDF file doesn't contain text that is properly encoded. If the file contains searchable text, yet you cannot find the text with Find Tool in Foxit Reader, then the text may not be properly encoded.

## **10. Why can't Foxit PDF IFilter work after Microsoft updates? Do I have to re-install it?**

If you installed the Foxit PDF IFilter on your search server, the IFilter does not work after you install a Microsoft update. It is because that the upgrade program automatically overwrites the registry value of Foxit PDF IFilter with that of Adobe PDF IFilter.

To make it work again, you must reinstall Foxit PDF IFilter. In this case, you do not have to uninstall IFilter. You can just run the Foxit IFilter MSI program again and select the repair function. In addition, we will contact Microsoft to address this issue shortly.

# Contact Us

Feel free to contact us should you need any information or have any problems with our products. We are always here, ready to serve you better.

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