



User Manua Foxit[®] PDF IFilter *For Server*



Gold independent Software vendor (ISV)

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4.2.1.2. Maintenance: Foxit will supply to You, at no additional charge, any improvements, upgrades, or modifications to the Product that Foxit makes generally available. Any such improvements, upgrades, or modifications shall become part of the Product for all purposes of this Agreement.

4.2.1.3. You acknowledge and agree that the Maintenance to be provided by Foxit hereunder is limited to the most current version of the Product and the immediately preceding version.

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4.3. Exclusions. Foxit's obligation to provide Support is contingent upon proper use of the Product and full compliance with this Agreement. Moreover, Foxit



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4.4. Consideration. In payment of the Support, Maintenance and Upgrade Protection services to be provided by Foxit hereunder, You shall pay Foxit, or its authorized agent, the applicable fee for the Initial Support, Maintenance and Upgrade Protection Term as indicated on the related invoice, receipt, purchase order, or other ordering document ("Support, Maintenance and Upgrade Protection Fee"). At the end of the Initial Support, Maintenance and Upgrade Protection Term, or any subsequent Support, Maintenance and Upgrade Protection Term, You may renew participation in Support, Maintenance and Upgrade Protection services for additional annual term(s) provided You (a) are current on all payments due to Foxit and (b) pay Foxit, or its authorized agent, the applicable renewal fee, which Foxit, or its authorized agent, shall invoice prior to the end of the preceding term, unless terminated by You at least 30 days prior to the expiration of the then current Support, Maintenance and Upgrade Protection Term. The Support, Maintenance and Upgrade Protection Fee for renewal shall be equal to the Support, Maintenance and Upgrade Protection Fee for the immediate preceding annual term plus an increase by a percentage not to exceed the Consumer Price Index (CPI), as published by the U.S. Department of Labor. In addition, Support, Maintenance and Upgrade Protection shall be discontinued for any and all subsequent Support, Maintenance and Upgrade Protection Terms for which You fail to pay Foxit the invoice within ten (10) days after the prior Support, Maintenance and Upgrade Protection expiration date.

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Chapter 1 - Overview

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

Foxit PDF IFilter is an application that extracts the contents, properties, bookmarks, form, annotations and attachments from PDF documents, indexes them, and returns the indexed results to the search engine so that users can search PDF documents with keywords.

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:

- 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 governments and well-known companies because of the following reasons:

- Foxit PDF IFilter helps to do PDF indexing, 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 twelve languages. Please go to Language Support part for details.



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 the indexed result.

Step 2, a user specifies some keywords for search and the search engine looks up the indexing result and responds to the user with all the documents that contain the keywords.

During Step 1, the search engine looks in the windows registry for appropriate IFilter implementations and uses those filters for indexing. It filters out embedded formatting and extracts text from the document and returns the result. Foxit PDF IFilter is one such implementation. Further information about the IFilter specification can be found on the Microsoft Web site.

Key Benefits

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



Chapter 2 - Getting Started

Installing Foxit PDF IFilter

To install Foxit PDF IFilter on your environment, please first download the current version with the link provided in the sales email after purchasing the license. Also, you could apply for 30-day trail from Foxit Website (<u>http://www.foxitsoftware.com/products/ifilter/</u>).

There are two packs of Foxit PDF IFilter, which are respectively for 32bit OS and 64bit OS. Please get the proper one and install it as follows.

- 1. Stop all the appropriate clients.
- 2. Uninstall any previous version of Foxit PDF IFilter if installed.
- 3. Launch the installer of Foxit PDF IFilter and follow the step to finish the installation.
- 4. Restart all the appropriate clients after finishing the installation.

Notes:

- More installation steps are required for SQL, WSS and Moss environments. Please refer to the corresponding chapter.
- > Foxit PDF IFilter item will appear in program list of Control Panel after installation.
- > Foxit PDF IFilter has no user interface.
- The installer will unzip an add-on called **fpdfcjk.bin** to the installation folder. The add-on will help you to index PDF documents containing Chinese/Japanese/Korean characters.

Configuring Foxit PDF IFilter

There are five registry items for configuring Foxit PDF IFilter. They are under the directory: "HKEY_LOCAL_MACHINE\SOFTWARE\Foxit Software\Foxit PDF IFilter".

FilterAnnotation[REG_DWORD] - sets the value to specify whether to filter out annotations. 0 represents no and other values represent yes.

FilterBookmarks[REG_DWORD] - sets the value to specify whether to filter out bookmarks. 0 represents no and other values represent yes.

FilterAttachFile [**REG_DWORD**] - sets the value to specify whether to filter out attachments. 0 represents no and other values represent yes.

LogLevel [REG_DWORD] - sets the log level. Value can be from 0 to 3.



0 - no output

1 - Error log only. Includes error information when errors happen, and stack message when the application crashes.

- 2 Simple log which only includes the main calling functions and returned values.
- 3 Detailed log which includes specific information such as date and chunk.

LogFilePath [REG_SZ] - sets the output path of log file.

Note:

The default setting in Foxit PDF IFilter is to filter out bookmarks. Restart the application if you made any changes to the registry.

Updating Foxit PDF IFilter

To update Foxit PDF IFilter, please download the current version from Foxit website and then install it. During installation, the old version will be covered.

Uninstalling Foxit PDF IFilter

To remove the old version of Foxit PDF IFilter, please uninstall it from Control Panel or with the help of the installer as below:

- 1. From Control Panel:
- Choose Start > Control Panel > Add or Remove Programs.
- Choose the "Foxit PDF IFilter" item and then click "Remove" button to uninstall it.
- 2. From the installer:
- Double-click the Foxit PDF IFilter.msi setup file that was used to install Foxit PDF IFilter.
- In the Foxit PDF IFilter dialog box, select **Remove Foxit PDF IFilter**.
- Click the **Finish** button to uninstall it.



Chapter 3 - Foxit PDF IFilter for SharePoint/MOSS

Foxit PDF IFilter can help search text in PDF files. After installing Foxit PDF IFilter, you should upload your PDF documents and perform a full crawl with Microsoft Office SharePoint Server (MOSS) before you start searching.

You don't have to do full crawls every time you add new PDF files. You may schedule the incremental crawls for all the new ones.

Working in SharePoint 2013

Foxit PDF IFilter can work successfully on SharePoint 2013 with the hotfix KB2883000. So for SharePoint 2013, please make sure that you have installed the hotfix KB2883000.

Installing Foxit PDF IFilter

There are two packs of Foxit PDF IFilter, which are respectively for 32bit Windows OS and 64bit Windows OS. Please choose one to install according to your server environment. Before installing Foxit PDF IFilter, please make sure that Microsoft Office SharePoint Server has been installed successfully.

To install Foxit PDF IFilter, please follow these steps:

1. Download Foxit PDF IFilter.

You could get the download link by email after purchasing Foxit PDF IFilter or applying for the 30-day trial version. Then please download Foxit PDF IFilter onto the machine where you want to install it.

2. Stop the IIS Admin service.

Click Start > Administrator Tools > Services (Local) > IIS Admin Service > Stop > close window.

3. Install Foxit PDF IFilter.

Run the Foxit PDF IFilter Setup program to install it on the server.

4. Set PDF icon for PDF Search.

- Download the Foxit PDF file icon from: <u>http://www.foxitsoftware.com/pdf/ifilter/pdficon.gif.</u>
- B. Save the Foxit PDF file icon to the following file location:



"Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\15\TEMPLATE\IMAGES".

- C. Add the mapping entry to the DOCICON.XML.
 - a. Locate to the XML file "Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\15\ TEMPLATE\XML\DOCICON.XML":
 - b. Right-click DOCICON.XML file > click Open With > select Notepad.
 - c. Add an entry for the .pdf extension to XML file.

For example, "pdficon.gif" is the name of Foxit PDF file icon.

<Mapping Key="pdf" Value="pdficon.gif"/>

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d. File menu > click Save > exit Notepad.

Note: This directly changes the icons shown on the search result. Make sure this change takes effect in the appropriate server where search results are displayed, such as any web front end (WFE) that supports user interface.

5. Use a third PDF IFilter.

To have a third PDF IFilter worked, you should replace the built-in PDF IFilter.

A. Click Start > choose SharePoint 2013 Management Shell.

Please make sure that you have run it as Administrator. Or you may fail to perform the commands in the following two steps.

- B. To replace the built-in PDF IFilter with a third one, please perform the following two commands:
 - a. \$ssa = Get-SPEnterpriseSearchServiceApplication
 - b. Set-SPEnterpriseSearchFileFormatState -SearchApplication \$ssa PDF \$TRUE



\$TRUE



C. Please run the following command to retrieve information about "pdf" in the Search service application.

Get-SPEnterpriseSearchFileFormat -SearchApplication \$ssa pdf

🦗 Administrator: SharePoint 2013 Management Shell 📃 🗖	x	
PS C:\Users\spadmin> \$ssa = Get-SPEnterpriseSearchServiceApplication PS C:\Users\spadmin> Get-SPEnterpriseSearchPileFormat -SearchApplication \$ss f	ар	^
Identity : pdf Name : PDF HimeType : application/pdf Extension : .pdf BuiltIn : True Enabled : True UseIFilter : True		2
PS_C:\Users\spadmin>		~
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The returned value *"UselFilter: True"* means that you have successfully used a third PDF IFilter.

6. Perform an iisreset.

To make the changes to take effect, you need to perform an iisreset.

D. Click Start > Run > type "cmd" to go into the command prompt window > then type "iisreset".



E. Exit the command prompt window once if IIS stops and restarts successfully.

7. Restart the SharePoint Search Service.

To restart the SharePoint Search Service, please perform the following commands:

- a. net stop spsearchhostcontroller
- b. net start spsearchhostcontroller
- c. net stop osearch15



d. net start osearch15

Note:

If you changed the settings for PDF IFilter in the configurable registry, please perform the following commands in the command prompt window:

- a. iisreset
- b. net stop spsearchhostcontroller
- c. net start spsearchhostcontroller
- d. net stop osearch15
- e. net start osearch15

Indexing PDFs

To index PDF files on your computer, please follow these steps:

- 1. Add the .pdf file type to the SharePoint content index list.
 - A. Go to Application Management > Manage service applications > Search Administration
 - B. In Search Administration page > go to Crawling section > click File Types
 - C. Click **New File Type** > type "pdf" in the **File extension** field > click **OK**.

pdf	×	
Examples: doc, h	tml	

- D. Click **New File Type** > type "pdf" in the **File extension** field > click **OK**.
- E. Then you could find that pdf file type has been added to the page and it connects to the pdf file icon added.



	msg
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- 2. Upload a PDF file and then perform a Full Crawl.
 - A. Go to **Documents** and click **new document**.

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	圆 0033880_TomStat(表格头)		July 28	System Account	t
	圆 0033987_Original-Form(有特殊字符)		July 28	System Account	t
	asuswebstorage和ifilter的需求和用例		July 28	System Account	t
	xfastatic		July 28	System Account	t
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B. In the Add a document page, click Browse button to choose a PDF and click OK.

Upload files using Windows Explorer instead Overwrite existing files	hoose a file	C:\Users\spadmin\Desktop\FoxitPDFIFilter30_for Server Br	owse
Overwrite existing files		Upload files using Windows Explorer instead	
		✓ Overwrite existing files	
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C. Once uploaded successfully, you will see that the PDF has been listed in the **Documents** page.



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D. (Optional) To the PDFs uploaded, you could modify the properties, including Name, Title and so on, to whatever you want in the **Edit Properties** window.

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E. Go to Search Service Application > click Content Sources > In Search
 Service Application: Manage Content Sources page > drop down your Local
 SharePoint sites > choose Start Full Crawl

SharePoint							Newsfeed	OneDrive Sites
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Search Administration	35	Local SharePoint sites •	Idle		00:01:12	8/4/2014 8:23:34 AM	None	None
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Crawling Content Sources Crawl Rules Server Name Mappings		Start Incremental Crawl Resume Crawl						
File Types Index Reset Pause/Resume Crawler Impact Rules		Pause Crawl Stop Crawl						
Queries and Results Authoritative Pages Result Sources Query Rules		Delete						

- F. (Optional) If a full crawl has been done before, you could also choose **Start Incremental Crawl** only for all the PDFs newly uploaded.
- 3. View Crawl Logs.
 - A. Go to **Documents** page.
 - B. Right-click a PDF and then choose **Properties**.
 - C. In **Properties** window of a PDF, copy the link from **Address (URL)** without the PDF filename part.



	Properties	x
General		
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Protocol:	HyperText Transfer Protocol	
Type:	Adobe Acrobat Document	
Address: (URL)	http://qa2012-sp/Shared% 20Documents/FoxitPDFIFilter30_for%	
	\uparrow	
	OK Cancel Apply	

- D. Go to **Manage Content Sources** page, open the content source's context menu by left-clicking the down arrow and select **View Crawl Log**
- E. In **Crawl Log** page, click **URL View** > paste the copied URL to the box (Type a URL or host name.) > click **search**.

Once completed, all the uploaded PDFs will be listed, including the PDFs' whole URL and the crawling status.

SharePoint				
SharePoint				Newsfeed OneDrive Site
Central Administration	Content Source Host N	ame. Crawl History Error Breakdown Databases URL View		
Farm Search Administration	Search for documents that he	ave been crawled.		
Search Administration	Type a URL or host name. Use to			
Diagnostics	Filters			
Crawl Log Crawl Health Reports	Content source: All	V		
Query Health Reports	Status: All			
Usage Reports	Message: All			
Crawling	Complete message: All	Ŀ		
Content Sources	-	12 AM V 00 V End Time	12 AM V 00 V	
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Server Name Mappings				
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Index Reset Pause/Resume				
Crawler Impact Rules		ber of URLs that match the above criteria.		
	Item ID	URL	Content Source	Last Time Crawlee
Queries and Results	77	http://qa2012-sp/Shared Documents/000009_Arabic_1384.pdf	Local SharePoint sites	8/4/2014 3:38
Authoritative Pages		Crawled		
Result Sources Query Rules	9 78	http://qa2012-sp/Shared Documents/0013666_rotate.pdf	Local SharePoint sites	8/4/2014 3:38
Query Client Types		Crawled		
Search Schema Query Suggestions Search Dictionaries	9 79	http://qa2012-sp/Shared Documents/0033120_adboe _testdocument(website).PDF Crawled	Local SharePoint sites	8/4/2014 3:38 /
Search Result Removal	80	Crawled http://qa2012-sp/Shared Documents/0033880_TomStat(表格 头).pdf	Local SharePoint sites	8/4/2014 3:38 /



Searching PDFs

After finishing indexing PDF files, you can start a PDF search. A PDF could be found by its text, properties, bookmark, annotation and so on.

To start a search, please follow these steps:

1. In **Documents** page, type a keyword in the box to start a search.

BROWSE FILES LIBRARY			🗘 SHARE 🏠 FOLLOW 🗔 SYNC [⊐]
s	my edit links Documents		Search this site	
Home	new document or drag files here			
Documents	All Documents ···· Find a file O			
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EDIT LINKS		•••• July 28	System Account	
		July 28	System Account	

2. All the PDFs which contain the keyword will be listed.

SharePoint		Newsfeed OneDrive Sites
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Home	new document or drag files here	
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	Some files might be hidden. Include these in your search	

3. Click any search result and then you could open the PDF with the default PDF viewer.

More Help

For more information on how to work with Microsoft Office SharePoint Server (MOSS), please refer to Microsoft Office SharePoint Server (MOSS) Help included in the product.



Working in SharePoint 2010

Installing Foxit PDF IFilter

Foxit PDF IFilter has two versions respectively for 32-bit Windows and 64-bit 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 Office SharePoint Server has been installed successfully.

To install Foxit PDF IFilter, please do the following:

- Download Foxit PDF IFilter from Foxit Website (<u>http://www.foxitsoftware.com</u>) onto the machine where you wish to install it.
- Stop the IIS Admin service: Start > Administrator Tools > Services(Local) > IIS Admin Service > Stop. Close window.
- Run the Foxit PDF IFilter Setup program to install the filter on the server.
- Download PDF icon from http://www.foxitsoftware.com/pdf/ifilter/pdficon.gif.
- Copy the downloaded .GIF file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\Template\Images".
- Edit the file "Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\14\Template\Xml\DOCICON.XML":

1. Right-click DOCICON.XML file > click Open With > select Notepad.

2. Add an entry for the .pdf extension. For example, where ICPDF is the name of the .gif file:

<Mapping Key="pdf" Value="pdficon.gif"/>



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1. On the File menu, click Save, and then quit Notepad.

Note: This directly changes the icons shown on the search result. Make sure this change takes effect in the appropriate server where search results are displayed i.e. any web front end (WFE) that supports user interfacing.

Perform an iisreset:

1. Click Start > Run > type "cmd" in the Open line> click OK > type "iisreset" at the command prompt > hit Enter.



2. Close the window.



- Stop and start the Sharepoint Search Service by running the following commands:
 - 1. net stop spsearch4
 - 2. net start spsearch4
 - 3. net stop osearch14
 - 4. net start osearch14

Note:

If you changed the settings for IFilter in the configurable registry, please perform the following commands in the command prompt window:

- 1. iisreset
- 2. net stop spsearch4
- 3. net start spsearch4
- 4. net stop osearch14
- 5. net start osearch14

Indexing PDFs

To index PDF files on your computer, please do the following:

- Add the .pdf file type to the index list:
 - 1. Go to the Search Service Application: Search Administration page, in the Crawling section, click File Types.
 - 2. Click New File Type > type "pdf" in the File extension field > click OK.



		ile Types - Windows Internet Explorer	
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dministration Search Administration	Use this page	to specify file types to include in the content index.	
Farm-Wide Search Administration	New File	а Туре	
rawling	Icon	File name extension	File type
Content Sources Crawl Rules	8	ascx	ASP.NET User Control
Crawl Log	e	asp	asp document
Server Name Mappings	1	aspx	ASP.NET Server Page
Host Distribution Rules		csv	csv document
File Types	P	doc	doc document
Reset All Crawled Content	1	docm	docm document
Crawler Impact Rules	- 1	docx	docx document
ueries and Results	<u></u>	dot	dot document
Authoritative Pages		emi	Internet E-Mail Message
Federated Locations		exch	exch document
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Scopes	-		
Search Result Removal		html	HTML Document
		jhtml	jhtml document

Scopes			
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Web Analytics Reports		mht	MHTML Document
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		msg	msg document
		mspx	mspx document
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		ppt	ppt document
	•	pptm	pptm document
	•	pptx	pptx document
	B	pub	pub document
		tif	tif document
		tiff	tiff document

The PDF file type has been added

• Upload a PDF file, and perform a Full Crawl on the Search content indexes:



1. Go to the Shared Documents, and click Add new document.

	2010 ▶ Shared Documents : All Documents ▼ nent with the team by adding it to this document library.
Documents Site Pages Shared Documents	Type Name 000003_Czech_02042CZ □ MEW 000003 French 001 actus □ MEW
Lists Calendar Tasks Discussions Team Discussion	FoxitPDFIFilter1.0forSQLServer2005_manual Rew FoxitPDFIFilter1.0forWDSandVistaSearch_Manual Rew Add new document
 Recycle Bin All Site Content 	

2. Click the **Browse** button to upload a PDF document and click **OK**.

Upload Document		□ ×
Upload Document Browse to the document you intend to upload.	Name: C:\Users\Administrator\Desktop\000003_f ☑ Overwrite existing files	Browse
	ОК	Cancel

3. In Edit page, you can give the title, keywords, if you like, to your uploaded PDF file. Click the Save button.





Edit				
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- 4. When you are done, you will be returned to the Documents page where you will see that your PDF file has been uploaded.
- 5. Return to the Search Application: Search Administration home page, in Crawling section, click Content Sources link.
- 6. On the Manage Content Sources page, open the content source's context menu by left-clicking the down arrow and select Start Full Crawl to index all files. This will start the indexing process.

SharePoint 2010	Cent	ral Administration ► Search	Service	Application: Manag	e Content Source	S		
Administration Search Administration Farm-Wide Search Administration		a page to add, edit, or delete content sou w Content Source 🔄 Refresh	rces, and to n Start all cr:	-				
Crawling	Туре	Name	Status	Current crawl duration	Last crawl duration	Last crawl completed	Next Full Crawl	Next Incremental Crawl
Content Sources Crawl Rules Crawl Log Server Name Mappings Host Distribution Rules File Types Reset All Crawled Content Crawler Impact Rules Queries and Results Authoritative Pages Federated Locations Metadata Properties	585	Local SharePoint sites Edit View Crawl Log Start Full Crawl Start Full Crawl Resume Crawl Pause Crawl Stop Crawl Delete	Idle		00:05:32	12/1/2009 1:47 AM	None	None

- 7. (Optional) To start an incremental crawl, please open the content source's context menu by left-clicking the down arrow and select Start Incremental Crawl.
- View Crawl Logs.



- 1. Return to the **Shared Documents**.
- 2. Right-click the PDF document you have uploaded > choose **Properties**.
- Select the address (URL) of the PDF file except [filename.pdf] > right-click the selected area > choose Copy.



4. Go to the **Manage Content Sources** page, open the content source's context menu by left-clicking the down arrow and select **View Crawl Log**

SharePoint 2010 Central Administration > Search Service Application : Crawl Log - Content Source									
Administration Search Administration Farm-Wide Search Administration	Content Source Host Name URL Crawl Histo Use this page to view a summary of items crawled per content s								
Crawling Content Sources	Content Source	Successes	Warnings	Errors	Top Level Errors				
Crawl Rules Crawl Log Server Name Mappings Host Distribution Rules	Local SharePoint sites	58	1	0	0				

5. In **Crawl Log** page, click **URL**, paste the URI to **URL or Host name** >click **search** button. When you're done, you can see the whole URL of the uploaded PDF file appear on the list.



Search Administration	Con	itent Source	Host Name URL Crawl History Error Message		
Farm-Wide Search Administration	Use th	his page to search	n the crawl logs by content source, URL or host name. To Further narrow	v the search apply 'Additional Filters'.	
Crawling Content Sources Crawl Rules Crawl Log Server Name Mappings	•	Content Source All JRL or Host name	vs1vcz/Shared%20Documents		
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Reset All Crawled Content Crawler Impact Rules	Stat Mes		• •		
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Scopes Search Result Removal	Resul	Its returned - 63 I Item ID	URL	Content Source	Last Time Crawled
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Web Analytics Reports	۰	51	http://win-dhbouvs1vcz/sitepages/home.aspx	Local SharePoint sites	12/1/2009 12:30:59 AM
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Searching PDFs

After you finish indexing 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: All Documents** page, type the text you want to search in the search box > hit Enter.

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9	000003_French_001_actus @ NEW	12/1/2009 7:26 PM	System	Account
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• You will see your search results. Click to open one of the PDF files.



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No refinements available	 1-2 of 2 results Foxit PDF Filter 1.0 for WDS and Vista Search User Manual Copyright © 2009 Foxit Corporation. All Rights Reserved No part of this document can be reproduced, transferred, distributed or stored in any format without the prior FAQ Authors: System Account/Foxit Corporation Date: 12/1/2009 Size: 1MB http://win-dhbouvs1vcz/Shared Documents/FoxitPDFIFilter1.0forWDSandVistaSearch_Manual.pdf Foxit PDF IFilter 1.0 for Microsoft SQL Server 2005 user manual Copyright © 2009 Foxit Corporation. All Rights Reserved No part of this document can be reproduced, transferred, distributed or stored in any format without the priorFAQ Authors: System Account;Foxit Corporation Date: 12/1/2009 Size: 423KB http://win-dhbouvs1vcz/Shared Documents/FoxitPDFIFilter1.0forSQLServer2005_manual.pdf 	<u>육</u> 전

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Installing Foxit PDF IFilter

Foxit PDF IFilter has two versions respectively for 32-bit Windows and 64-bit Windows. You can choose one of them to install onto your machine according to your system



requirements. Before installing Foxit PDF IFilter, please note that Microsoft Office SharePoint Server has been installed successfully.

To install Foxit PDF IFilter, please do the following:

- Download Foxit PDF IFilter from Foxit Website (<u>http://www.foxitsoftware.com</u>) onto the machine where you wish to install it.
- Stop the IIS Admin service: Start > Settings > Control Panel > Administrator Tools > Services > IIS Admin Service > Stop. Close window.
- Run the Foxit PDF IFilter Setup program to install the filter on the server.
- Download PDF icon from http://www.foxitsoftware.com/pdf/ifilter/pdficon.gif.
- Copy the downloaded .GIF file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\Template\Images".
- Edit the file "Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\12\Template\Xml\DOCICON.XML":

1. Right-click DOCICON.XML file > click Open With > select Notepad.

2. Add an entry for the .pdf extension. For example, where ICPDF is the name of the .gif file:

<Mapping Key="pdf" Value="pdficon.gif"/>

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2. On the File menu, click Save, and then quit Notepad.

Note: This directly changes the icons shown on the search result. Make sure this change takes effect in the appropriate server where search results are displayed i.e. any web front end (WFE) that supports user interfacing.

• Perform an iisreset:

1. Click Start > Run > type "cmd" in the Open line> click OK > type "iisreset" at the command prompt > hit Enter.



- 2. Close the window.
- Stop and start the Sharepoint Search Service by running the following commands:
 - 1. net stop spsearch
 - 2. net start spsearch
 - 3. net stop osearch
 - 4. net start osearch

You don't have to do full crawls every time you add some new PDF files. You may schedule the incremental crawls for all the new ones.

Note:

- Click to check the parts of <u>Updating Foxit PDF IFilter</u> and <u>Uninstalling Foxit PDF</u> IFilter.
- If you changed the settings for IFilter in the configurable registry, please perform the following commands in the command prompt window:
 - 1. iisreset
 - 2. net stop spsearch
 - 3. net start spsearch
 - 4. net stop osearch
 - 5. net start osearch



Indexing PDFs

To index PDF files on your computer, please do the following:

• Add the .pdf file type to the index list:

1. Go to the **Shared Service Administration: SharedServices 1** home page, click **Search Settings** link> under **Crawl Settings** click **File Types**.

2. Click New File Type > type "pdf" in the File extension field > click OK.

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		of the test of the	Welcome 5	ystem Account 👻 My Site My Links 👻	
	rices Administra	ition: SharedServices1			
Home			-	Site Actions	
	Manage F	dministration: SharedServices1 > Search Settings > File	Types		
	Manager	ne rypes			
View All Site Content	they be a set of the	ify file types to include in the content index.			
Back to Central Administration					
Shared Services	New File Type				
Administration	Icon	File name extension ascx	File type ASP.NET User Control		
 SharedServices1 		asp	asp document		
Recycle Bin		aspx	ASP.NET Server Page		
		dac	WordPad Document		
	- -	docm	docm document		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	docx	docx document		
		dat	dot document		
		emi	Internet E-Mail Message		
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	8	htm	HTML Document		
	8	html	HTML Document		
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		15p	jsp document		
		mht	MHTML Document		
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	1	ppt	ppt document		
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- Upload a PDF file, and perform a Full Crawl on the Search content indexes:
 - 1. Go to the **Document Center**, and click **Documents**.
 - 2. Click **Upload**, and then **Upload Document**.



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🎁 Document Center						
MOSS TEST Document Center News - Search Sites						
MOSS TEST > Document Center > Documents Documents						
View All Site Content	Share a document with the team by adding it to this document library.					
Site Hierarchy	New 🔻 Upload 💌 Actions 🕶 Settings 👻					
 Documents Announcements Tasks 	Type Na Upload Document Upload a document from your computer to this library. Image 18-1-2 Image 1MB_Spage Image 2-35-0152 Image 340K Image 14-2 I					

3. Click the **Browse** button to upload a PDF document and click **OK**. When it has uploaded, the **Documents Edit Item** page is displayed. You can give a title, if you like, to your uploaded PDF file. Click the **Check In** button.

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MOSS TEST Document	enter			All Sites
	MOSS TEST > Document Center > D Documents: test	Documents > test > Edit Item		
	? The document was uploaded succes	ssfully and is checked out to you. You must fill out	any required properties and check i	t in before other users will be able to access it. Check In Cancel
	🗙 Delete Item 🍄 Spelling			* indicates a required field
	Name *	test	.pdf	
	Title	1		
	Version: 0.2 Created at 9/28/2007 1:36 AM by Syster Last modified at 11/20/2007 10:50 AM br			Check In Cancel

4. When you are done, you will be returned to the Documents page where you will see that your PDF file has been uploaded.

5. Return to the Shared Service Administration: SharedServices 1 home page, click Search Settings link> under Crawl Settings click Content sources and crawl schedules.

6. On the **Manage Content Sources** page, open the content source's context menu by left-clicking the down arrow and select **Start Full Crawl** to index all files. This will start the indexing process.



Shared Services Administration: SharedServices1						
🞁 Shared Servic	es Adminis	tration: SharedServices1				
Home						
		s Administration: SharedServices1 > Sear Content Sources	ch Se	attings > Content Sources		
View All Site Content						
Back to Central Administration	Use this page to	add, edit, or delete content sources, and to mana	age cra	awls.		
Shared Services	🖃 New Conte	ent Source 🖪 Refresh				
Administration	Туре	Name			Status	
SharedServices1	33	Local Office SharePoint Server sites		-	Idle	
Recycle Bin				Edit		
				View Crawl Log		
Start all crawls				Start Full Crawl		
Stop all crawls				Start Incremental Crawl		
Resume all crawls				Resume Crawl		
Pause all crawls				Pause Crawl		
				Stop Crawl		
				Delete		

7. (Optional) To start an incremental crawl, please open the content source's context menu by left-clicking the down arrow and select **Start Incremental Crawl**.

- View Crawl Logs.
 - 1. Return to the **Document Center**, and click **Documents**.
 - 2. Right-click the PDF document you have uploaded > choose **Properties**.
 - 3. Select the **address (URL)** of the PDF file except [filename.pdf] > right-click the selected area > choose **Copy**.

Properties	×
General	
	test.pdf
Protocol: Type: Address: (URL)	HyperText Transfer Protocol PDF Document http://server2003/Docs/Documents/test.pdf

4. Go to the Manage Content Sources page, open the content source's context menu by left-clicking the down arrow and select View Crawl Log > paste the URL to Find URLs that begin with the following hostname/path field > click the Filter button.



Shared Services Administration: SharedServices1



5. When you're done, you can see the whole URL of the uploaded PDF file appear in the **Crawl Log** list.

🎁 Shared Servi	ices Administration: SharedServices1	
Home		
	Shared Services Administration: SharedServices1 > Sea	rch Settings > Hostname Su
View All Site Content		
Back to Central Administration	Find URLs that begin with the following hostname/path: http://server2003/Docs/Documents/	Show messages occurring lat
Shared Services	Content Sources	, Status Type
Administration	Local Office SharePoint Server sites	All
SharedServices1		
💽 Recycle Bin	Crawled Content Status - 174 Items: 171 Successes, () Errors, 3 Warnings
• View by hostname	URL	
 View by URL 	sts3://server2003:8080/contentdbid={05dff056-9b Crawled	
	sts3://server2003/contentdbid={c65d2229-b48b-42 Crawled	
	http://server2003 Crawled	
	http://server2003:8080 Crawled	
	sps3://server2003:8080/site\$\$\$people Crawled	
	sts3://server2003 Crawled	
	sts3://server2003:8080 Crawled	
	sps3://server2003:8080/site\$\$\$people/bucketid=1 Not Modified	
	sps3://server2003:8080 Crawled	
	Inttp://server2003/docs/documents/test.pdr Crawled	



Searching PDFs

After you finish indexing 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 **Document Center**, and click **Search** to visit the Search Center > type the text you want to search > hit Enter.

MOSS TEST	
🎁 Search	
MOSS TEST Document Center News - Search Sites	
	All Sites People
	MOSS2007 Advanced Search

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

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8	🗿 Sear	ch					
- N	1055 TEST	Document Center	News 🝷	Search	Sites		
	All Sites MOSS2007	People			، م	Advanced Search	
	Result :	L-1 of 1. Your search	took 0.19 s	econds.			
R TRAN	MOSS2	007 erver2003/Docs/Docu	iments/test.) f - 1KB - L	Jnregiste	ered Retail Custon	ier - 11/19/2007

Search results



Foxit PDF IFilter Server



Open one of the search results



Chapter 4 - Foxit PDF IFilter for Microsoft SQL Server

Foxit PDF IFilter can help search text in PDF files. After installing Foxit PDF IFilter, it asks to upload the PDF documents and perform a full population with Microsoft SQL Server before you start a search.

Note:

Generally, all the instructions in this chapter are for Microsoft SQL Server 2014/2012/2008/2005. And the screenshots are from Microsoft SQL Server 2012 by default. If there is any difference between SQL Server 2012 and 2014/2008/2005, we will point it out as well as attach a screenshot.

Installing Foxit PDF IFilter

Foxit PDF IFilter has two packs respectively for 32-bit Windows and 64-bit Windows. You can choose one of them to install into your machine according to your system requirements. Before installing Foxit PDF IFilter, please make sure that Microsoft SQL Server has been installed successfully.

To install Foxit PDF IFilter on SQL server, please follow the steps as below.

1. Create a new functioning database to store PDF files.

- A. Run SQL Server Management Studio.
- B. Create a new database.

Right click the Database folder in the Object Explorer and select New Database. Type your Database name and click OK.

C. Create a table.

Right click the Table folder in the new database and select New Table.

D. Complete the details in the "Column Name" column, the "Data Type" column, "Length" column, and "Allow Nulls" column.

Foxit PDF IFilter indexes PDF files in SQL Server based on your specified column names. For example, you may add some fields for PDF files as below:



Column Name	Data Type	Allow Nulls
PdfText	varbinary(MAX)	
Ext	nvarchar(50)	
PdfID	int	Г

PdfText: stores binary PDF files, whose data type should be varbinary(MAX).

Ext: stores the file extension of PDF files. It's set as ".pdf" in this example. For more information, please refer to http://technet.microsoft.com/en-us/library/ms142499.aspx

PdfID: designates a unique ID for each PDF file, which will act as the return value when you're trying to search PDFs.

Note:

The example of the table above is applied for Microsoft SQL Server in this manual.

E. Click **Save** button and enter a name for the table.

2. Install Foxit PDF IFilter.

- A. Download Foxit PDF IFilter installation pack by the given link in the sales email after purchasing the license. Also, you could get the 30-day trial version of Foxit PDF IFilter from Foxit Website (<u>http://www.foxitsoftware.com</u>).
- B. Run the Foxit PDF IFilter Setup and follow the steps to complete the installation on your server.

Notes:

- > Foxit PDF IFilter appears in the program list after installation.
- > Foxit PDF IFilter has no user interface.
- The installer will unzip an add-on called fpdfcjk.bin into the installation folder. This add-on will help index PDF documents containing the Chinese/Japanese/Korean characters.

3. Register Foxit PDF IFilter.

After the installation of Foxit PDF IFilter, it asks to register Foxit PDF IFilter.



A. Click the "Database Engine Query" button on the toolbar, and execute the following command to register Foxit PDF IFilter:

Exec sp_fulltext_service 'load_os_resources', 1 Exec sp_fulltext_service 'verify_signature', 0



- B. The message "**Command(s) completed successfully.**" means you have registered Foxit PDF IFilter successfully.
- 4. Restart the server, or you can stop and start SQL server and the Full-text Search engine by right-clicking them.

For SQL Server 2014/2012/2008:

A. Click Start > Programs > Microsoft SQL Server 2014/2012/2008 > Configuration Tools > SQL Server Configuration Manager.



- B. In the pop-up SQL Server Surface 2014/2012/2008 Area Configuration dialog box, please select Surface Area Configuration for Services and Connections.
- C. Select MSSQLSERVER > Service > click Stop button and then Start button.
- D. Select Full-Text Search > Service > click Stop button and then Start button.

For SQL Server 2005:

- A. Click Start > Programs > Microsoft SQL Server 2005 > Configuration Tools > SQL Server Surface Area Configuration.
- B. In the pop-up SQL Server Surface 2005 Surface Area Configuration dialog box, please select Surface Area Configuration for Services and Connections.
- C. Select MSSQLSERVER > Service > click Stop button and then Start button.



D. Select Full-Text Search > Service > click Stop button and then Start button.

5. Confirm the registration.

A. To check if PDF document type has been associated to Foxit PDF IFilter, execute the following commands.

select document_type, path from sys.fulltext_document_types where
document_type = '.pdf'

B. Check the result under the **Results** tab. Check the results to confirm success visually.

Object Explorer	SQLQuery1.sql - QA-5\Administrator (53))* 🗙 QA-5QL2012.pdfindex - dbo.Table_1*
	ument_type, path from sys.fulltext_document_types where :ype = '.pdf'
100 % 👻 🔳	
🔲 Results 🚮 M	lessages
document_ty	path
1 .pdf	C:\Program Files\Foxit Software\Foxit PDF IFilte
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SQLQuery1.sql - JINPC\jinch 	path from sys.fulltext_document_types where
	III
🗌 Results 📑 Messages	
document_type path	
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🔢 Results 📑 Messages					
	document_type	path			
1	.pdf	E:\Program Files\Foxit Software\Foxit PDF IFilte			

Note:

To update and uninstall Foxit PDF IFilter, please refer to <u>Updating Foxit PDF IFilter</u> and <u>Uninstalling Foxit PDF IFilter</u>.

Setting up full-text search

To set up full-text search, you should take the following steps.

1. Confirming the Full-text search service.



Launch Microsoft SQL Server Management Studio and execute the following Α. command.

print FULLTEXTSERVICEPROPERTY('IsFullTextInstalled')



- Check the result by the returned value. Β.
 - = Full-Text installed 1
 - 0 = Full-Text not installed
 - Null = invalid input, or error
- 2. Installing Full-Text component and service.

3. **Enabling Full-Text indexing**

In order to use Full-Text indexing function, you must first check if it has been enabled.

To enable Full-text indexing, please use one of the following two methods.

- Launch Microsoft SQL Server Management Studio. Right-click the database you have created > select Properties > choose Files tab > check "Use full-text indexing" > OK.
- Execute the following command:

exec sp_fulltext_database 'enable'

Object Explorer SQLQuery1.sql - QA-S...\Administrator (53))* 🗙 use pdfindex go exec sp_fulltext_database 'enable' 100 % 🔹 🔳 🛅 Messages Command(s) completed successfully.



SQLQue	ery1.sql - JINPC\jinchi_liu (58	3))*//JINCHI_LIU-PC.pd
Use	pdfindex	
go		
exec	; sp_fulltext_database '	'enable'
•		III
🛅 Messa;	ges	
Command	d(s) completed successfully	7.

4. Creating a full-text catalog to store full-text indexes.

Please execute the following command.

create fulltext catalog pdfCatalog

5. Creating a unique index.

A. Open the table you have created > right click one of the column names > select "Set Primary Key".

QA	-SQL2012.pdfindex - dbo.T.	able_1* 🗙 Object B	Explorer SQLC
	Column Name	Data Type	Allow Nulls
	PdfText	varbinary(MAX)	V
	Ext	nvarchar(50)	
68	PdfID	int	

JINCHI_LIU-PC.pdfin	dex - dbo.Table_1*	SQLQuery1	.sql - JINPC\jinchi_liu (52)) [;]
Column Name	Data Type	Allow Nulls	
PdfText	varbinary(MAX)		
Ext	nvarchar(50)		
PolfID	int		

	/1	Fable - dbo.pdftable*	Server2003.maQLQu	uery1.sql*
		Column Name	Data Type	Allow Nulls
		PdfText	varbinary(MAX)	
\langle	₽ ₽	PdfId	int	
		Ext	nchar(10)	V

B. Execute the following command:

create unique index ui_pdfIndex on dbo.pdftable(PdfId)



6. Create a full-text index

For SQL Server 2014/2012/2008

Right-click the table you have created > choose "Full Text Index" > set for it with all the default value. Please note the "PdfText" should be checked in **Available Columns** and "Ext" should be selected in **Type Column**.

For SQL Server 2005

Execute the following command:

create fulltext index on dbo. pdftable (PdfText – Please assign the column name for full-text index.) key index ui_pdfIndex on pdfCatalog with change_tracking auto

Uploading PDFs

1. To upload PDF files to Microsoft SQL Server, please write a segment of codes.

You could also copy the following example.

```
For SQL Server 2014/2012/2008
```

```
using System;
```

```
using System.Collections.Generic;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
namespace WebApplication1
{
     public partial class _Default : System.Web.UI.Page
     {
          protected void Page_Load(object sender, EventArgs e)
          {
           }
               protected void Button1_Click(object sender, EventArgs e)
               //Create a byte[] from the input file
               int len = FileUpload1.PostedFile.ContentLength;
               byte[] PdfText = new byte[len];
               FileUpload1.PostedFile.InputStream.Read(PdfText, 0, len);
```



```
// Insert the image and comment into the database
                    //SqlConnection connection = new
               SqlConnection(@"server=QA-SQL2012;database=QA-2012;uid=Administrator;pwd=");
               SqlConnection connection = new SqlConnection(@"Integrated Security=SSPI;Persist
          Security Info=False;Initial Catalog=pdl;Data Source=QA-SQL2012");
                   try
                    {
                    connection.Open();
                    SqlCommand cmd = new SqlCommand("insert into Table 1" + "(PdfText, PdfId, Ext)
               values (@PdfText, @PdfId, @Ext)", connection);
                     // Insert values into the three columns.
                    cmd.Parameters.Add(new SqlParameter("@PdfText", PdfText));
                     cmd.Parameters.Add(new SqlParameter("@Pdfld",17));
                   // You can only upload a pdf file at a time.
                     cmd.Parameters.Add(new SqlParameter("@Ext", ".pdf"));
                    cmd.ExecuteNonQuery();
                   }
                   finally
                    {
                    connection.Close();
                    }
              }
         }
    }
For SQL Server 2005
     using System.Web.UI.HtmlControls;
     using System.Data.SqlClient;
     using System.IO;
     public void OnUpload(Object sender, EventArgs e)
     {
        // Create a byte[] from the input file
        int len = File1.PostedFile.ContentLength;
        byte[] PdfText = new byte[len];
        File1.PostedFile.InputStream.Read(PdfText, 0, len);
        // Insert the image and comment into the database
        SqlConnection connection = new
          SqlConnection(@"server=IP address or server
        name;database=pdfindex;uid=username;pwd=password");
        try
        {
            connection.Open();
            SqlCommand cmd = new SqlCommand("insert into pdftable "
               + "(PdfText, PdfId, Ext) values (@PdfText, @PdfId, @Ext)", connection);
            // Insert values into the three columns.
```



}

cmd.Parameters.Add("@PdfText", PdfText);
cmd.Parameters.Add("@Pdfld", 1);// You can only upload a pdf file at a time.
cmd.Parameters.Add("@Ext", ".pdf");
cmd.ExecuteNonQuery();
}
finally
{
connection.Close();
}

2. Once if it succeeds, you will be prompted to upload your PDF files as below:

For SQL Server 2012

للله المعالمة (//localhost:1494/Default.aspx - Windows Internet Explorer	
🚱 😔 🖉 http://localhost:1494/Default.aspx 🔎 🗹 🗟 🐓 🗙 <i> @</i> localhost	×
Browse Button	

HtmlInputFile Example

For SQL Server 2005

Note:

The codes above uses ADO.NET as the data access mechanism, and C# as the development language.

Starting a full population

After completing the steps above, you should start a full population for the uploaded PDFs. Actually, there are two ways under SQL Server 2012/2008/2005 to synchronize full-text indexes with their table data: Full Population and Incremental Population.

1. Full Population



A population when the index entries are built for all the rows in all the full-text catalog's tables.

2. Incremental Population

A population only adjusts index entries for rows that have been added, deleted, or modified after the last population.

You may select to start a full population or an incremental population according to your needs.

- 1. To start a full population, right-click the table you created > Full-Text index > Start Full Population.
- To start an incremental population, right-click the table you created > Full-Text index > Start Incremental Population.

Searching PDFs

After you finish indexing PDF files, you can start a search to find text within PDFs. Before you start a search, you have to verify if the full-text catalog or full-text index has been fully populated.

To check the population status, please execute the following command:

```
select fulltextcatalogproperty('PdfText','populatestatus')
```

You can start a search if the return value is 0.

To start a search, please execute the following command:

```
USE pdfindex;
GO
SELECT Pdfld
FROM Table_1
WHERE CONTAINS(PdfText, 'Foxit');
GO
```





More help

For more information on how to work with Microsoft SQL Server, please refer to Microsoft SQL Server Help included in the product.



Chapter 5 - Foxit PDF IFilter for WSS

Foxit PDF IFilter can help search text in PDF files. After installing Foxit PDF IFilter, you should upload your PDF documents with Windows SharePoint Services (WSS) before you start searching.

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, please do the following:

- Download Foxit PDF IFilter from Foxit Website (<u>http://www.foxitsoftware.com</u>) onto the machine where you wish to install it.
- Run the Foxit PDF IFilter Setup program to install the IFilter.
- 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.
- 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}

🔐 Registry Editor			
<u>Fi</u> le <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>H</u> elp			
😟 🧰 🧰 Global	Name	Туре	Data
🖻 🦲 Setup	🌉 (Default)	REG_SZ	{987f8d1a-26e6-4554-b007-6b20e2680632}
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(987f8d1a-26e6-4554-b007-6b20e2680632)			
OK Cancel			

• 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: 0x0000001 (1)
- 4) Name: MimeTypes

Type: REG_SZ

Data: application/pdf

(Value not set) Extension REG_SZ pdf	Name	Туре	Data
	••••)(Default)	REG_SZ	(value not set)
	• Description (비용)	REG_SZ	pdf
BileTypeBucket REG_DWORD 0x00000001 (1)	👸 File Type Bucket	REG_DWORD	0x00000001 (1)
MimeTypes REG_SZ application/pdf	MimeTypes	REG_SZ	application/pdf

• Download PDF icon from http://www.foxitsoftware.com/images/icons/pdficon.gif.



- Copy the downloaded .GIF file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\Template\Images".
- 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="pdficon.gif"/>

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• On the File menu, click Save, and then quit Notepad.

Note: This directly changes the icons shown on the search result. Make sure this changes take effect in the appropriate server where search results are displayed i.e. any web front end (WFE) that supports user interfacing.

- Perform an iisreset:
 - Click Start > Run > type "cmd" in the Open line> click OK > type "iisreset" at the command prompt > hit Enter.





• Close the window.

Note: In WSS2.0, Foxit PDF IFilter is installed on the computer which has SQL2005 server. In WSS3.0, Foxit PDF IFilter is installed on the computer which has WSS3.0.

Click to check the parts of Updating Foxit PDF IFilter and Uninstalling Foxit PDF IFilter

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.

Team Site			
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Home			
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View All Site Content	Share a document with the team by ad	ding it to this document library.	
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Lists			
Calendar			
 Tasks 			

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.



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 \square .

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

Team Site
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Result 1-1 of 1. Your search took 0.06 seconds.
Results by Relevance View by Modified Date
test1.pdf
WSS
http://testpc2-w3k-64/Shared Documents/test1.pdf - 1KB - Unregistered Retail Customer - 1/8/2008

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 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.



Chapter 6 - Foxit PDF IFilter for Microsoft Exchange Server

Working in Exchange 2010

Modifying registry information

- 1. Install Foxit PDF IFilter on the platform where Exchange 2010 was installed.
- 2. Modify the registry information
- 1) Click start > run > type regedit to open the Registry Editor (regedit)
- 2) Locate the registry subkey through the following path:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\ExchangeServer\v14\MSSearch\CLSI D\{987f8d1a-26e6-4554-b007-6b20e2680632}

Add the following string value to the subkey by double-clicking Moefault):

Subkey	Value
{987f8d1a-26e6-4554-b007-6b20e2680632}	Drive:\Program Files\Foxit Software\Foxit PDF IFilter\pdffilt.dll

3) Create the following string value in the subkey you modified in Step 2):

Value Name	Туре	Value Data
ThreadingModel	String (REG_SZ)	Both



ė- <mark>1</mark>	CLSID	Name	Type	Data
	{10A2BDBC-7130-420C-9320-A92CC 1919206}	(Default)	REG SZ	C: \Program Files \Foxit Software \Foxit PDF IFilter \pdffilt.d
	{12CE94A0-DEFB-11D2-B31D-00600893A857}	ab ThreadingModel	REG SZ	Both
	1D49F57D-47D2-4AEE-A69B-593EC558773F}			
	20E823C2-62F3-4638-96BD-90F4F6784EBC}			
	{2C9F6BEB-C5B0-42B6-A5EE-84C24DC0D8EF}			
	2CB861BB-B1B4-4E14-A1A7-D3FB30C3F5CF}			
	{312AB530-ECC9-496E-AE0E-C9E6C5392499}			
	{31b7c920-2880-11d0-8d51-00a0c908dbf1}			
	{37c84fa0-d3db-11d0-8d51-00a0c908dbf1}			
	3D5DF14F-649F-4CBC-853D-F18FEDE9CF5D}			
	41B9BE05-B3AF-460C-BF0B-2CDD44A093B1}			
	45EACA36-DBE9-4e4a-A26D-5C201902346D}			
	{52BE2F87-1638-408A-9A98-74239B0B7DB5}			
	{52F 1DEDC-C51B-11D2-9A7C-00004F6888ED}			
	{5A98B233-3C59-4B31-944C-0E560D85E6C3}			
	61A48126-EF74-4D4A-9DDA-43FD542CAD1E			
	6 1DBD86A-8D1A-4EB0-907C-E4C1BBC8F09A}			
	{65170AE4-0AD2-4fa5-B3BA-7CD73E2DA825}			
	{68C6D24E-77E0-11D5-8528-00C04F68155C}			
	68DC71DC-2327-4040-8F03-50D6A9805049			
	{78fe669a-186e-4108-96e9-77b586c1332f}			
	{7E352021-69D6-4553-86AC-430B0D8FF913}			
	{87824713-C8B0-4379-8556-1689764E4237}			
	{92F2118A-E813-4A4D-9DE2-F96A9DC02C53}			
	{954F1760-C1BC-11D0-9692-00A0C908146E}			
	📙 {987f8d1a-26e6-4554-b007-6b20e2680632}) 🚽			
		•		

4) Locate the registry subkey through the following path:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\ExchangeServer\v14\MSSearch\Filters Add the following string value to the subkey by double-clicking (Default).

Subkey	value
.pdf	{987f8d1a-26e6-4554-b007-6b20e2680632}

艡 Registry Editor _ D × File Edit View Favorites Help Name Туре .html Data .htw REG SZ ({987f8d1a-26e6-4554-b007-6b20e2680632}) .htx ,hxx .ibq .idl .inc .inf .ini inx .js .log .m3u .mht .odc ,one .pdf ,pl .pot .ppt .pptx ,rc .reg .rtf .stm .txt .url • F Compute(\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\ExchangeServer\v14\MSSearch\Filters\.pdf

Please refer to the following picture:

F



- 3. Please restart the Exchange Search service with following the step shown below:
- 1) Click Start > Run > type "cmd" > click OK > type "iisreset" in the command prompt

window > press Enter.



2) Restart the Microsoft Search (Exchange) Service through the services console or type

the following commands in the Exchange Management Shell.

Stop-Service msftesql-Exchange –Force Start-Service MSExchangeSearch

Indexing PDF attachments

- 1. Start 'services.msc'.
- 2. Restart MSExchange Information Store service.
- 3. Create an index by executing the following command in the Exchange Management shell.

ResetSearchIndex.ps1 -force -all

After the system completes the indexing, the result will be saved in the same location with Mailbox database.





Alternatively, you can use the resetSearchIndex.ps1 script. This PowerShell script accepts the name of the database you want to work with as an input parameter. As shown above, to get started, enter cd \$env:exchangeInstallpath\Scripts, then run the script by entering .\resetSearchIndex.ps1 which is followed by the name of the database, i.e. \resetSearchIndex.ps1 EngineeringMailboxDb.

Searching PDFs

After finishing indexing PDF files, you can find the target PDF file with Foxit PDF IFilter by searching the text within PDF files or its properties, such as author, title, etc. To search a PDF file, please perform the followings:

- 1. Visit the website <u>https://exchangesever/owa</u> to open OWA (Outlook Web App).
- (i.e. https://ex01.cpandl.com/owa)
- 2. Login the mailbox in which you want to search PDFs.



3. Please type the words you want to search in the search box, and then click the Search



button 꾇.

Mail	*	Inbox (3 results in Inbox)		🙆 Help
a 🎒 lintest1		🔊 New 🔹 🔝 🔹 😫 🗙 🖓	• 8	🕰 Reply 🖓 Reply to All 🔗 Forward
See Contacts		results	× - ×	Undeliverable: 229
 Deleted Items Drafts 		Arrange by: Date 👻	Newest on top 📼	Microsoft Exchange
🔄 Inbox (5)		Yesterday		Sent: Thursday, July 07, 2011 11:28
🧑 Junk E-Mail	-	Microsoft Exchange	Thu 11:28 🕅	To: lintest1
<u>]</u> Mail		Undeliverable: 229		Dellasses have folled to the second delayer
🔢 Calendar		Microsoft Exchange Undeliverable:	Thu 11:28 🦻	Delivery has failed to these recipients or distribution lists:
Contacts		Last Week		listenti Oslavilis Asiles Asses
🔰 Tasks		intest1 v 231	Thu 6/30 🤎	Intest1@chenin.foxitsoftware.com Microsoft Exchange has been trying to deliver this message without success and has stopped trying. Please try sending this
Documents			*	message again, or provide the following diagnostic text to your system administrator.
Public Folders		Items 1 to 3 of 3		system auministrator.

The PDFs that contain the search terms will be showed under the **Search** box.

4. Double-click to open the target PDF.



Work in Exchange 2007

Modifying the registry information of Foxit PDF IFilter

- 1. Install Foxit PDF IFilter on the platform where Exchange 2010 was installed.
- 2. Modify the registry information.
- 1) Click start > run...> type regedit to open the Registry Editor (regedit)
- 2) Locate the registry subkey through the following path:



 $\label{eq:heat} \mathsf{HKEY}_\mathsf{LOCAL}_\mathsf{MACHINE}\scale{\mathsf{NSSearch}}\scale{\mathsf{CLSID}} \\$

Add the following string value to the subkey by double-clicking (Default):

Subkey	Value				
{987f8d1a-26e6-4554-b007-6b20e2680632}	C:\Program	Files\Foxit	Software\Foxit	PDF	
	IFilter\pdffilt.dll				

3) Create the following string value in the subkey you modified in Step 2):

Value Name	Туре	Value Data
ThreadingModel	REG_SZ	Both
Flags	REG_DWORD	1

Regis	try Edit	or						
Edit	<u>V</u> iew	Favorites	Help					
			-	{66B37110-8BF2-11CE-BE59-00AA0051FE20}		Name	Туре	Data
			-	{68C6D24E-77E0-11D5-8528-00C04F68155C}		(Default)	REG SZ	C:\Program Files\Foxit Software\Foxit PDF IFilter\pdffilt.dll
				{6D36CE10-7F1C-11CE-BE57-00AA0051FE20}		Flags	REG DWORD	0x00000001 (1)
				{6DE705A5-6467-43DC-9CE3-CCFE08B3F645}		(ab) ThreadingModel	REG_SZ	Both
				{737FC9B5-BC66-4953-B7DB-B79A72A592A5}		Contraction of the second	1000-00	
			- 🙆	{73D009FB-7D05-45AC-94C2-EDD1029942D4}				
				{860D28D0-8BF4-11CE-8E59-00AA0051FE20}				
				{9478F640-7F1C-11CE-BE57-00AA0051FE20}				
				{95679344-4888-42CD-9B79-2F5784D70258}				
				{97E8EFC5-42DA-43ED-9CEC-84FDE3620F1A}				
			6	{987f8d1a-26e6-4554-b007-6b20e2680632}				
				{9EA69E16-AD5E-43ED-890E-73D58771D3F6}				
				{A9FFAE02-D834-47B3-8434-0D75DC0804BD}				
			-	{B0516FF0-7F1C-11CE-BE57-00AA0051FE20}				
				{C731071F-AC80-11D1-8DF3-00C04FB6EF4F}-				
				{C7310720-AC80-11D1-8DF3-00C04F86EF4F}				
				{CCA22CF4-59FE-11D1-BBFF-00C04FB97FDA}				
			-	{CEDC01C7-59FE-11D1-BBFF-00C04FB97FDA}				
				{D99F7670-7F1A-11CE-BE57-00AA0051FE20}				
				{E0CA5340-4534-11CF-B952-00AA0051FE20}				
				{EEED4C20-7F1B-11CE-BE57-00AA0051FE20}-				
				{FD86B5D0-12C6-11CE-8D31-00AA004BBB1F}				
		8.	Filte	ars				
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				.asm				
				,asp				
				.aspx				
1				.bat	-	<u> • [</u>		

4) Locate the registry subkey through the following path:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Exchange\MSSearch\Filters. Add the following string value to the subkey by double-clicking (Default).

Subkey	value
.pdf	{987f8d1a-26e6-4554-b007-6b20e2680632}

Please refer to the following picture:



View Favorites Help		-	
htx	Name	Туре	Data
<u>a</u> .hxx	(Default)	REG_SZ	{987f8d1a-26e6-4554-b007-6b20e2680632
ibq			
<u>())</u> .inc ()) .inf			
📃 .ini			
inx			
js .js			
log			
🚞 .m3u			
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- 🛄 .odc			
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<u>-</u> .xlc			
<u></u> ,xic			
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GlobalAdminBlob			
Enguage 			

3. Please restart the Exchange Search Service with following the step shown below:

1) Click Start > Run > type "cmd" > click OK > type "iisreset" in the command prompt

window > press Enter.



2) Restart the Microsoft Search (Exchange) service through typing the following commands in the command prompt window.



net stop msftesql-exchange

net start msexchangesearch

Command Prompt

Microsoft Windows [Version 5.2.3790]

(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator> net stop msftesql=exchange
The following services are dependent on the Microsoft Search (Exchange) service

Stopping the Microsoft Search (Exchange) service will also stop these services.

Microsoft Exchange Search Indexer
Do you want to continue this operation? (Y/N) [N]: y
The Microsoft Exchange Search Indexer service is stopping...
The Microsoft Exchange Search Indexer service was stopped successfully.

The Microsoft Search (Exchange) service is stopping.

The Microsoft Search (Exchange) service is stopping.

The Microsoft Search (Exchange) service is stopping.
The Microsoft Search (Exchange) service is stopping.
The Microsoft Search (Exchange) service is stopping.

C:\Documents and Settings\Administrator>net start msexchangesearch
The Microsoft Exchange Search Indexer service is starting.
The Microsoft Exchange Search Indexer service is starting.

C:\Documents and Settings\Administrator>

Indexing PDF attachments

- 1. Start 'services.msc'
- 2. Restart Microsoft Exchange Information Store service.

3. Create an index by executing the following command in the Exchange Management Shell.

ResetSearchIndex.ps1 -force

After the system completed the indexing, the result will be saved in the same location as Mailbox database.





Searching PDFs

After finishing indexing PDF files, you can find the target PDF file with Foxit PDF IFilter by searching the text within PDF files or its properties, such as author, title, etc.

To search a PDF file, please perform the followings:

- 1. Visit the website <u>https://IP/owa/</u> (i.e. https:// 192.168.0.128/owa)
- 2. Click to open a category that contains the target PDF file.
- 3. Please type the words you want to search in the search box, and then click the

Search button **P**.

The PDFs that contain the search terms will be showed under the **Search** box.

Connected to Microsoft Exchange	o Acces		💁 🖬 Someone 🛛 📱 Options 🛛 Intest1 🔹 Log Off
Mail	~	Inbox (3 results in Inbox)	🙆 Help
🖃 🎒 lintest 1 🏢 Calendar		🔊 New 🔹 🔛 📲 🖹 🗙 🛛 🏝 🔹 📑	🕰 Reply 🛛 🖓 Reply to All 🛛 🙈 Forward
Se Contacts		results X = X Arrange by: Date = Newest on top =	Undeliverable: 229 Microsoft Exchange
inbox (5)	•	Yesterday V Image: Second Exchange Thu 11:28 V	Sent: Thursday, July 07, 2011 11:28 To: Intesti
Mail Calendar		Undeliverable: 229	Delivery has failed to these recipients or distribution lists:
S Contacts		Last Week	lintest1@chenlin.foxitsoftware.com
Tasks			Microsoft Exchange has been trying to deliver this message without success and has stopped trying. Please try sending this message again, or provide the following diagnostic text to your
Documents Public Folders		▼ Items 1 to 3 of 3 (4 4 > >)	system administrator.
e	_		🔒 🔮 Internet

4. Double-click to open the target PDF.

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Chapter 7 - 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.

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



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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