

HarePoint Thumbnails for SharePoint

For SharePoint Server 2010/2013 and SharePoint Foundation 2010/2013.



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I. Introduction

HarePoint Thumbnails for SharePoint is a solution which lets you browse your documents and images in SharePoint libraries in an extremely convenient and time-saving way.

The solution shows thumbnails of files directly in SharePoint document libraries, so you can preview the file without opening it.



The product generates thumbnails for the following files:

- Microsoft Office applications (Word (DOC; DOCX), Excel (XLS; XLSX));
- PDF;
- TXT;
- Images (all common formats);
- Web pages (HTML, HTM, MHT);
- E-mail messages (EML only).

II. Deployment

1.System requirements

HarePoint Thumbnails for SharePoint was designed to operate with:

- Microsoft SharePoint Foundation/Server 2010.
- Microsoft SharePoint Foundation/Server 2013.

The product has no special requirements for the operating system or its components, RAM memory space and CPU type. The Product may operate with any configuration where SharePoint is deployed; it requires 10 Mb of disk space on each SharePoint server.

Note: <u>Apache OpenOffice must be installed on the application server in order for HarePoint</u> <u>Thumbnails for SharePoint to generate previews for Microsoft Office documents in spreadsheets.</u> <u>Only 3.4.1 version is supported right now. Support for version 4 is on development</u> <u>stage.</u>

2. Licensing and trial limit.

HarePoint Thumbnails for SharePoint is licensed for a number of SharePoint Web Front-End Servers or servers where **Microsoft SharePoint Web Application** service is running. The number of licenses should correspond to a number of servers.

The product has two types of license:

1. Trial License.

This is a 30-day trial license available in the download. The trial version does not have any functional limitations.

2. Commercial License.

This license is purchased for the number of SharePoint Servers (web front-ends) and can be used in the organization's environment without any limitation on time and functionality. Licenses for test environments can be obtain without charge after purchase.

Note: <u>After you made a purchase of a commercial license and enter a registration key in product</u> <u>settings, the product becomes a fully functional.</u>

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3. HarePoint Thumbnails for SharePoint installation.

To install the product, you must be a **Farm Administrator**.

Please login to any WFE server of the SharePoint farm, unpack the product package and run SETUP.EXE. The Installation Wizard will appear:

	HarePoint Thumbnails for SharePoint	
Click the Next	HarePoint Thumbnails for SharePoint	button in the
wizard's	Welcome to the HarePoint Thumbnails for SharePoint setup wizard.	welcome screen
and the wizard	This setup wizard will install and deploy the following solutions to your SharePoint 2013 farm: 1. HarePoint Thumbnails Service Application for SharePoint 2013	will check
prerequisites:	2. HarePoint Thumbnail Viewer for SharePoint 2013 (2013 UI) 3. HarePoint Thumbnail Viewer for SharePoint 2013 (2010 UI)	
	Back Next Cancel HarePoint Thumbnails for SharePoint Prerequisities	
	Checking if HarePoint Thumbnails for SharePoint can be installed from this machine.	
	 Checking if Microsoft SharePoint Foundation 2013 is installed. Microsoft SharePoint Foundation 2013 is installed. Checking permissions to install and deploy SharePoint solutions. You have permissions to install and deploy SharePoint solutions. Checking if Administrative Service is running. Checking if Timer Service is running. Pending Checking if solutions exist in package. Pending Checking if solution 'HarePoint Thumbnails Service Application for SharePoint 2013' file exists. Pending Checking if solution 'HarePoint Thumbnails Service Application for SharePoint 2013' is already installed. Pending Please wait 	
	Please wait Kefresh now	
	www.harepoint.com	

If you have any issues during prerequisites check, just send us an email message with the "installation.log" file attached to support@harepoint.com, or create a <u>new support ticket</u>.

In the next step of the wizard, you'll select the site collections where the product should be deployed. Select the required site collections and follow the Wizard's instructions to complete installation:

HarePoint Thumbnails for SharePoint						
Deployment Targets Select deployment targets for 'HarePoint Thumbnail Viewer for SharePoint 2013 (2013 UI), HarePoint Thumbnail Viewer for SharePoint 2013 (2010 UI)'.						
Select Web Applications to deploy solution. Select Web Applications, Site Collections to activate features.						
Internations Internations Internations International (SharePoint - 80)						
Web Applications / Site Collections						
Back Next Cancel						

4. How to repair, upgrade or remove the Product.

To repair, upgrade or remove the product, you must be a **Farm Administrator**.

Please login to a WFE server of SharePoint farm, unpack the product package and run SETUP.EXE in the selected folder. The Installation Wizard will be launched with a prerequisites check. After the prerequisites check is over, you should click **Next**, and you will see three options:



Select the required type of operation and follow the further instructions of the Wizard.

III. Product Overview

1. Service Application Configuration.

You should open **Central Administration** -> **Application Management** -> **Manage Service Applications**. Inside, select **HarePoint Document Thumbnail Service** and click on it or select **Manage** on the ribbon:

BROWSE SE	RVICE APPLICATIONS					
New Connect	Delete Manage Ad	ministrators Properties	Publish Permissions			
Create	Oper	ations	Sharing			
Central Admin	istration	Name				
Application Management		Application Discovery and Load Balancer Service Application				
		Application Discovery and Load Balancer Service Application Proxy_91a5da04-5bad-464c-b551- 4f2127543a4f				
Monitoring		Harepoint Document Conversion Service				
wonitoring		Harepoint Document Conversion Service				
Backup and	d Restore	HarePoint Document Printing Service				
Security		- HarePoint Document Printing Service				
Upgrade a	nd Migration	HarePoint Documen	t Thumbnail Service			
General Application HarePoint Document Thumbnail Service						

The **HarePoint Document Thumbnail Service** options will be opened. Inside the **Thumbnail Settings** point you may set:

- The image format.
- The number of pages, if you want to make thumbnails for multiple pages of a file.
- Width and height of thumbnail pictures, and "keep aspect ratio" may be used.

Thumbnail Settings	
Manage default thumbnail creation settings.	
	Format
	Thumbnail image format.
	Png
	⊇dr
	Width
	Thumbnail width in pixels.
	300
	Height
	Thumbnail height in pixels.
	400
	Keep aspect ratio
	If checked aspect ratio will be kept and maximum value
	between width and height will be given as maximum pixel
	size.
	Pages
	Type page number and/or page ranges separated by commas. Leave blank or type 'ALL' value for create thumbnails for all pages. 1

In **Document Extensions**, point you may specify the extensions to work with:

Document Extensions	
Manage document type to file extensions correlations.	PDF Files
	pdf;
	OpenOffice Text Documents
	odt; doc; docx; docm; sxw; sdw; rtf;
	OpenOffice Spreadsheets
	ods; sxc; xls; xlc; xlm; xlw; sdc; csv; xlsb; xlsx; xlsm;
	Image Files
	bmp; dib; jpg; jpe; jpeg; jfif; jiff; jiff; png; gif; tiff; tiff; pic; img; rgb; rgba; pcd; pcx; rle; wmf; emf;
	Html Files
	html; htm;
	RFC 822 Files
	emi; mht
	Text Files
	txt; xml;

In the **Service Settings** point, you may select the appropriate web-applications or site collections and enter your license key:

Service Settings	
Manage service application settings	
	License keys
	This is trial version of HarePoint Document Thumbnail Service (30 days left)
	You need a license for 1 server(s).
	Enable Thumbnails Creation Check site collections or web applications to enable thumbnails creation on it.
	□- ▼ All Web Applications
	🚽 🕼 http://servak/ (SharePoint - 80)
	L. 🖉 http://servak (TestLAB)
	OK Cance

2. Harepoint Thumbnails Timer Job.

Open **Central Administration** -> **Monitoring** -> **Review job definitions**, then find the **Create Document Thumbnails** job. This job is used to create the pictures:

Job Definitions

		View: All -
Title	Web Application	Schedule Type
App Installation Service		Minutes
App State Update		Hourly
Application Addresses Refresh Job		Minutes
Application Server Administration Service Timer Job		Minutes
Application Server Timer Job		Minutes
Audit Log Trimming	SharePoint - 80	Monthly
Autohosted app instance counter		Weekly
Bulk workflow task processing	SharePoint - 80	Daily
CEIP Data Collection		Daily
Cell Storage Data Cleanup Timer Job	SharePoint - 80	Daily
Change Log	SharePoint - 80	Weekly
Content Organizer Processing	SharePoint - 80	Daily
Content Type Subscriber	SharePoint - 80	Hourly
Create Document Thumbnails Job	SharePoint - 80	Daily
Create Upgrade Evaluation Site Collections job	SharePoint - 80	Daily
Dead Site Delete	SharePoint - 80	Disabled

By default it is scheduled to start daily, but you may set any time period you want:

Recurring Schedule

Use this section to modify the schedule specifying when the timer job will run. Daily, weekly, and monthly schedules also include a window of execution. The timer service will pick a random time within this interval to begin executing the job on each applicable server. This feature is appropriate for highload jobs which run on multiple servers on the farm. Running this type of job on all the servers simultaneously might place an unreasonable load on the farm. To specify an exact starting time, set the beginning and ending times of the interval to the same value.

This timer job is scheduled to run: Minutes Starting every day between

Minutes
 Hourly
 Daily

Weekly

Monthly

3 AM 🔻 45 🔻

00 🔻

12 AM 🔻

and no later than

HarePoint.Com | Product Overview

3. HarePoint Thumbnails features.

Harepoint Thumbnails solution is globally deployed, and features are located on farm, webapplication and site collection levels.

On the farm level, you may find the **HarePoint Document Thumbnail Service** feature. Deactivate this feature to stop the HarePoint Document Thumbnail application service:

22	HarePoint Document Thumbnail Service	
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On the web application level you can find:

- **HarePoint Create Document Thumbnails Job** this feature controls a HarePoint Thumbnails job work, i.e. the creation of pictures.
- **HarePoint Document Preview** this feature creates the thumbnails from generated pictures made in the **Create Document Thumbnails Job**.

Manage Web Application Features						
			ОК	•		
	Name		Status			
5	Apps that require accessible internet facing endpoints Allow users to acquire apps that require internet facing endpoints from the SharePoint Store.	Activate				
<u>.</u>	Document Sets metadata synchronization Provides the infrastructure to synchronize metadata for Document Sets.	Deactivate	Active			
	Harepoint Create Document Thumnails Job	Deactivate	Active			
	HarePoint Document Conversion Service Activities	Deactivate	Active			
Q	HarePoint Document Preview	Deactivate	Active			

On the site collection level, you can find the same features, **Create Document Thumbnails** and **Harepoint Document Preview**.

Deactivate

Active

IV. Troubleshooting.

After installation is over, please run a **Create Document Thumbnails** job in Central Administration! Check the that image are created in every folder inside this one:

For SharePoint 2010:

<system drive>:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\TEMPLATE\IMAGES\ThumbnailService

For SharePoint 2013:

<system drive>:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\15\TEMPLATE\IMAGES\ThumbnailService

If you have (or don't have) the images inside the folders, but thumbnails have not appeared in SharePoint library, just check the latest SharePoint ULS log for possible errors for HarePoint Thumbnails. The file should be filtered by the **HarePoint Thumbnailer** and **ThumbnailWorker** sources like:

ThumbnailWorker	00000 Critical	SyncMethodInvoker.Invoke	: Unable to connect to OpenOffice: Could not load file or assemb]
HarePoint Thumbnailer	TimerJob	00000 Medium	SPTimerJobInvokeInternal.Invoke : Processing site c
HarePoint Thumbnailer	AppProxy	00000 Medium	CreateThumbnailsJob.UpdateOOConnectionStatus : Gett
HarePoint Thumbnailer	AppProxy	00000 Medium	CreateThumbnailsJob.UpdateOOConnectionStatus : Invo
HarePoint Thumbnailer	AppProxy	00000 Medium	ThumbnailServiceApplicationProxy.Invoke : Getting a
HarePoint Thumbnailer	AppProxy	00000 Medium	ThumbnailServiceApplicationProxy.Invoke : Execute o

Also, the data from the System **Event Viewer** -> **Windows Logs** -> **Application** will be helpful. Just export this branch to ***.evtx** and send it to <u>support@harepoint.com</u>:

Level D	ate and Time	Source	1	Event ID	Task C.		🔿 👩 Open Saved Log
Error 5	/28/2014 4:16:13 PM	HarePoint Thumbnai	ler	0	None		Create Custom View
Error 5,	/28/2014 2:20:52 PM	HarePoint Document	Preview	0	Υ		
Error 5,	/28/2014 2:18:02 PM	HarePoint Document	Preview	0	P I		Filter Current Log
Error 5,	/28/2014 2:16:15 PM	HarePoint Document	Preview	0	N E	Iter VAA	
Error 5,	/28/2014 2:10:42 PM	HarePoint Document	Preview	0	N	AME	•
Error 5,	/28/2014 2:07:48 PM	HarePoint Document	Preview	0	N 1	Logged:	Any time v
Error 5,	/28/2014 1:26:51 PM	HarePoint Document	Preview	0	N.		
Error 5,	/28/2014 1:21:47 PM	HarePoint Document	Preview	0	N 1	Event level:	Critical Warning Verbose
Error 5,	/27/2014 8:59:45 PM	HarePoint Document	Preview	0	N		From Information
Error 5,	/27/2014 8:58:59 PM	HarePoint Document	Preview	0	P I		
Error 5,	/27/2014 8:48:18 PM	HarePoint Document	Preview	0	N 0	By log	Event logs: Application
CERTON 5	/27/2014 8:47:16 PM	HarePoint Document	Preview	0		D. D	
Event 0, HarePoint T	humbnailer					by source	e Event sources: HarePoint Document Preview, HarePoint Thun
SyncMethodInvo Culture=neutral,	ker.Invoke : Unable to cor PublicKeyToken=ce2cb7e	nnect to OpenOffice: C 279207b9e' or one of it	ould not load ts dependenc	l file or as ies. The s	ise	Includes/Excl exclude criter	cludes Event IDs: Enter ID numbers and/or ID ranges separated by commas. To eria, type a minus sign first. For example 1,3,5-99,-76 <all event="" ids=""></all>
						Task categor	ory:
1						Kanuarda	
Log Name:	Application					(cywords)	
Source:	HarePoint Thumbnailer	r Logged:	5/28/2014 4:	16:13 PM		User:	<all users=""></all>
Event ID:	0	Task Category:	None				
Level:	Error	Keywords:	Classic		- II '	Computer(s):	s): <all computers=""></all>
User:	N/A	Computer:	Servak.test.le	ocal			Class
OpCode:							Clear
More Information	Event Log Online Help						
							OK Cancel