

Product Information

Introducing Aspose.Cells for SharePoint



Welcome to the Aspose.Cells for SharePoint Documentation!

Aspose.Cells for SharePoint is a flexible solution supporting spreadsheet conversion that makes it possible to convert MS Excel documents within the Microsoft SharePoint applications and support multiple document formats, such as:

- PDF - Adobe Portable Document
- XLS - MS Excel 97~2003
- XLSX - Office Open XML
- TXT - Plain Text
- XML - Microsoft Excel SpreadsheetML
- ODS - OpenDocument Spreadsheet
- CSV - Comma Separated Values
- XLSB - Excel Binary 2007
- MHtml - Multipurpose Internet Mail Extension HTML
- XPS - XML Paper Specification
- TIFF - Tagged Image File Format
- SVG - Scalable Vector Graphics
- DIF - Drawing Interchange Format

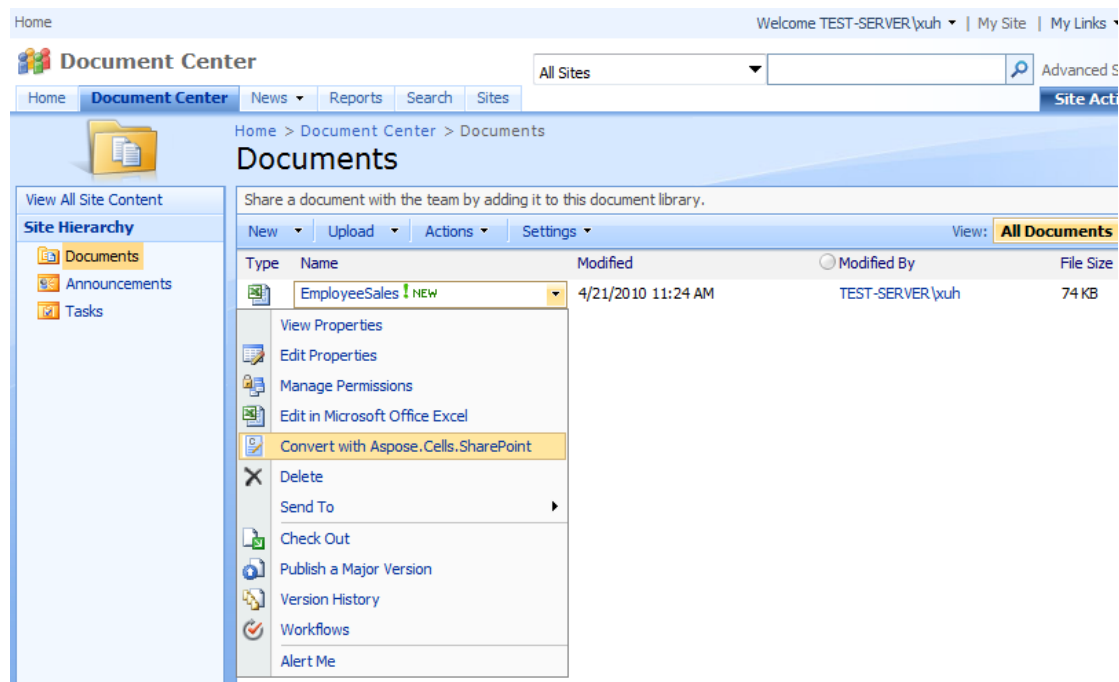
Aspose.Cells for SharePoint is designed to be used with the following products:

- Windows SharePoint Services 3.0 (WSS)
- Microsoft Office SharePoint Server 2007 (MOSS) Standard
- Microsoft Office SharePoint Server 2007 (MOSS) Enterprise
- Microsoft Office SharePoint Server 2010 (MOSS) Standard
- Microsoft Office SharePoint Server 2010 (MOSS) Enterprise

There are no additional system requirements besides ones, which exist for the products above.

Please read on to learn more. This documentation describes the features, installation, evaluation, licensing, common use cases and settings of Aspose.Cells for SharePoint.

You can use Aspose.Cells for SharePoint right from your SharePoint's document library to convert a particular document:



Features

Multiple formats support

Having Aspose.Cells for SharePoint installed you can convert documents right from your SharePoint document library between many popular office document formats and most of the conversions will be done with high fidelity and precision.

Currently Aspose.Cells for SharePoint supports the following input formats:

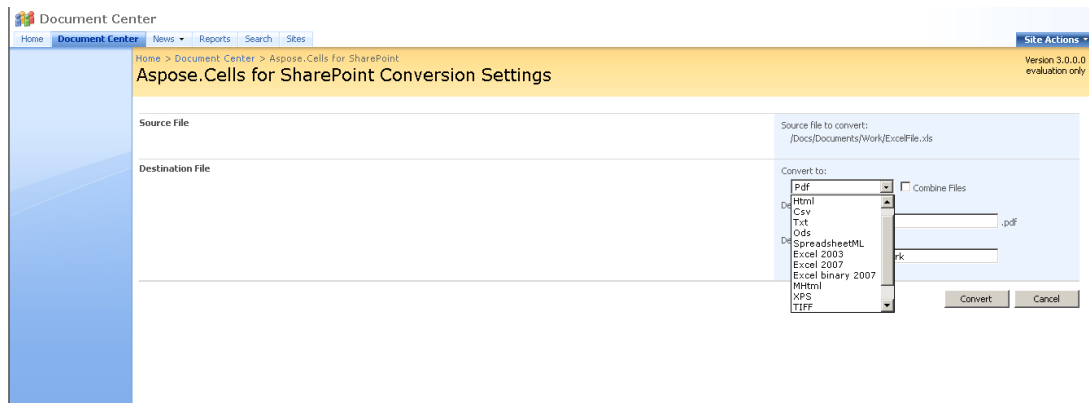
- XLS – MS Excel 97~2003
- XLSX – Office Open XML
- XLSM, XLTX, XLTM – Office Open XML
- CSV - Comma Separated Values Worksheet Document
- ODS – OpenDocument Spreadsheet
- XML - Microsoft Excel SpreadsheetML

To generate documents, Aspose.Cells for SharePoint relies on a built-in version of [Aspose.Cells for .NET](#), the market leading spreadsheet-processing component from Aspose, thanks to the high degree of support for the underlying file formats, provided by Aspose.Cells. Microsoft Excel is **not** used to generate documents.

The full list of output formats supported by Aspose.Cells for SharePoint is below:

- PDF - Adobe Portable Document
- XLS – MS Excel 97~2003
- XLSX – Office Open XML
- TXT - Plain Text
- XML - Microsoft Excel SpreadsheetML

- ODS – OpenDocument
- CSV –Comma Separated Values
- XLSB – Excel Binary 2007
- MHTML – Multipurpose Internet Mail Extension HTML
- XPS – XML Paper Specification
- TIFF – Tagged Image File Format
- SVG – Scalable Vector Graphics
- DIF - Drawing Interchange Format



Different conversion options

The following options are available during conversion setup:

Files concatenation

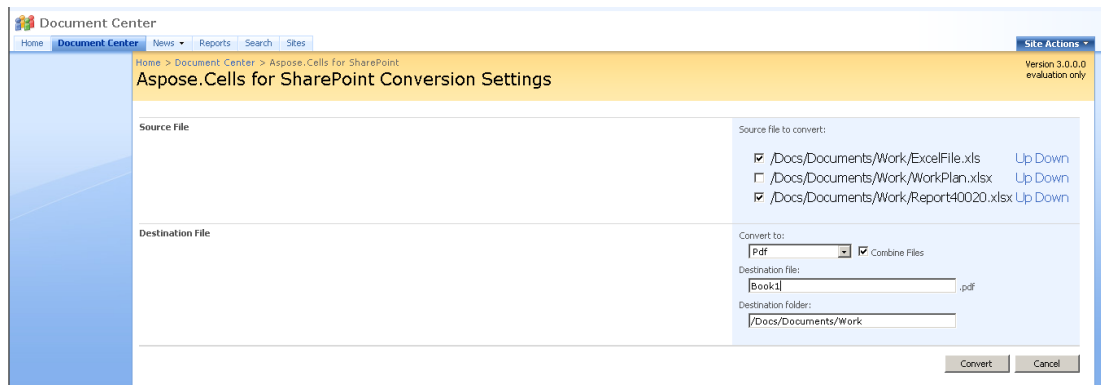
If you select a folder or multiple files for conversion, you can use “Combine Files” checkmark to combine files in different formats into single document. You can set the order in which source files are placed in the combined document.

Convert files in subfolders

This option is available under SharePoint 2007 when a folder is selected for conversion. You can recursively convert all subfolders of the selected folder by using this option. The same subfolder structure is created below the destination folder during conversion. Under SharePoint 2010, the folders are always processed recursively. To process files without subfolders, just select the needed files in a document library view before starting conversion. Do not checkmark any subfolders.

Overwrite existing files in the destination folder

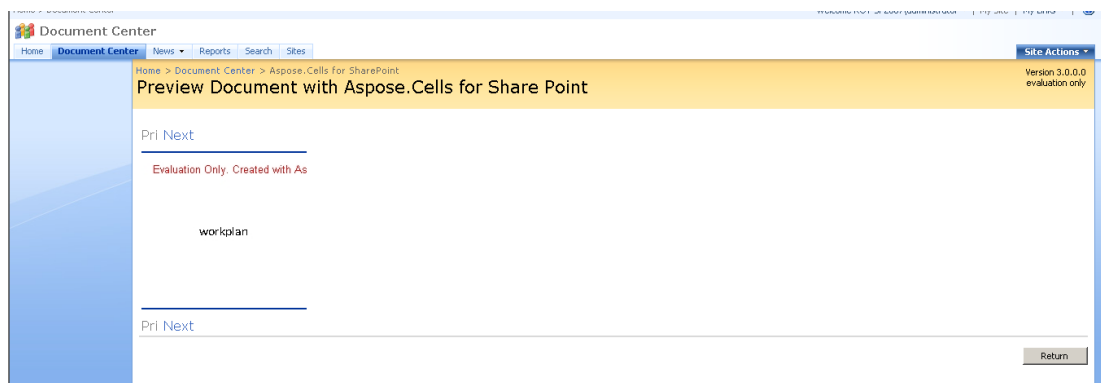
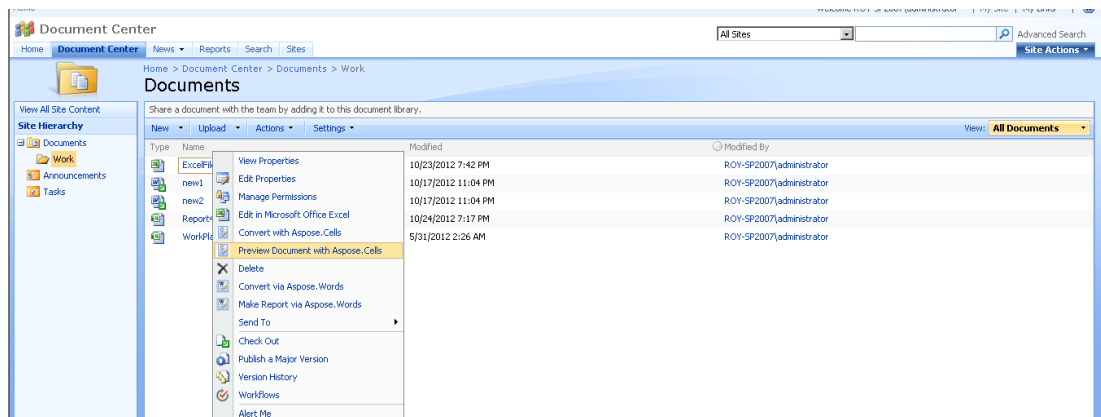
Destination folder you have selected can already contain some of the files you want to convert. This option allows you to skip conversion for such files and process only files which are not presented in the destination folder.



Preview document

Aspose.Cells for Share Point supports previewing documents @ SharePoint. Currently Aspose.Cells for SharePoint supports the following input formats to preview document:

- XLS – MS Excel 97~2003
- XLSX – Office Open XML
- XLSM,XLTX, XLTM – Office Open XML
- XML - Microsoft Excel SpreadsheetML



World Class Free Technical Support

Aspose is renowned for its free and unlimited technical support provided directly by the developers of the products.

If there is a new version of a product available, or if resolving a question results in a fix in the product, all new releases are free if you have an active subscription.

[Aspose.Support Forums](#) is the place to not only resolve technical issues, but also to participate in development discussions with the vibrant and growing community of Aspose users. Currently there are over 50,000 users registered at the Aspose website.

[Aspose.Blogs](#) is the place to look for information about latest releases and about what Aspose developers have to say.

There is plenty of activity in the Aspose.Support Forums.

Public Forums for Customers and Partners		
Forums	Threads	Posts
Aspose.Words Product Family The express avenue to get technical support of Aspose.Words for .NET, Java, Reporting Services and JasperReports. More contacts	9,917	47,764
Aspose.Cells Product Family The express avenue to get technical support of Aspose.Cells for .NET, Java, Reporting Services and JasperReports. More contacts	8,144	40,748
Aspose.Pdf Product Family The express avenue to get technical support of Aspose.Pdf for .NET, Java and Reporting Services. More contacts	4,565	24,902
Aspose.Slides Product Family The express avenue to get technical support of Aspose.Slides for .NET, Java, Reporting Services and JasperReports. More contacts	3,125	13,285

Install Aspose.Cells for SharePoint

System Requirements

Server Requirements

To install Aspose.Cells for SharePoint you need a computer running one of the following:

- Windows SharePoint Services 3.0

- Microsoft Office SharePoint Server 2007
- Microsoft Office SharePoint Server 2010

Installing Service Pack 2 or later updates for these products is recommended.

Client Requirements

You need a browser to access SharePoint sites. The following browsers were checked with Aspose.Cells for SharePoint:

- Microsoft Internet Explorer
- Mozilla FireFox
- Google Chrome
- Safari

Installing Aspose.Cells for SharePoint

Aspose.Cells for SharePoint is downloadable as Aspose.Cells.SharePoint.zip archive.

This archive contains:

- Aspose.Cells.SharePoint.wsp

SharePoint solution file. Aspose.Cells for SharePoint is packaged as a SharePoint solution to facilitate deployment/retraction and feature activation/deactivation across the server farm.

- Aspose.Cells.SharePoint2010.wsp

SharePoint solution file. Aspose.Cells for SharePoint is packaged as a SharePoint solution to facilitate deployment/retraction and feature activation/deactivation across the server farm.

- Aspose_LicenseAgreement.rtf

End user license agreement

- Aspose.Cells forSharePoint.pdf

User documentation

- Aspose.Cells for SharePoint Documentation.chm

User documentation with Public API reference

- Setup.exe

Setup program

- Setup.exe.config

Setup configuration file

The setup program checks the following conditions before proceeding:

- WSS 3.0, MOSS 2007 or MOSS 2010 is installed.
- The user has permission to install SharePoint solutions.
- SharePoint database is online.
- WSS Administration service is started.
- WSS Timer service is started.

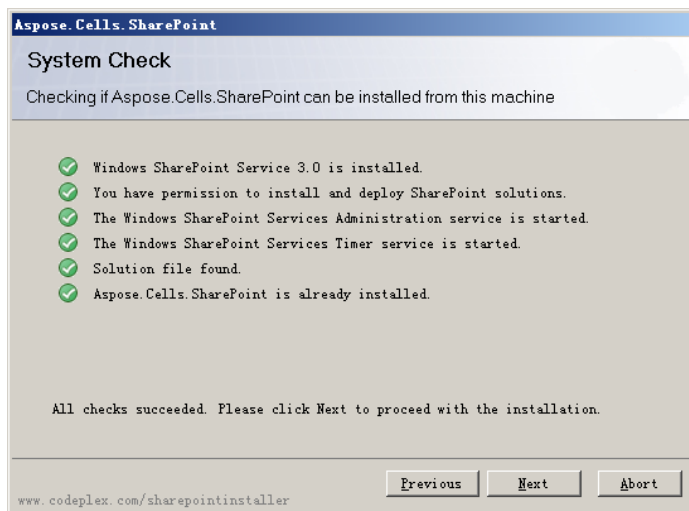
WSS Administration service and Timer service are needed because some setup actions rely on a timer job to propagate to all servers in the server farm.

To install Aspose.Cells for SharePoint:

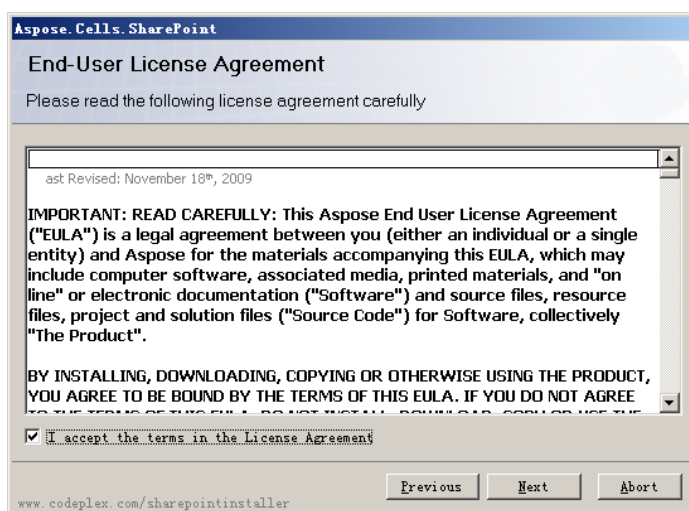
- Unpack Aspose.Cells.SharePoint zip to the local drive on the MOSS 7.0 or WSS 3.0 server.
- Run setup.exe and follow the instructions on the screen.

The setup program performs the following actions:

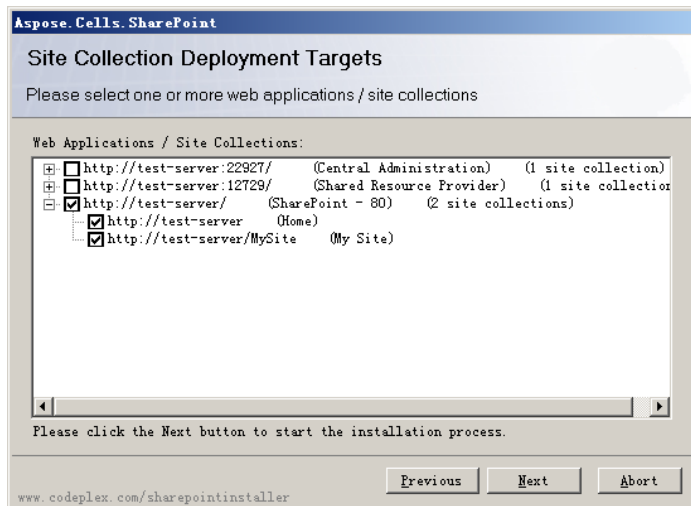
- Check installation prerequisites. Setup will not continue if any check fails.



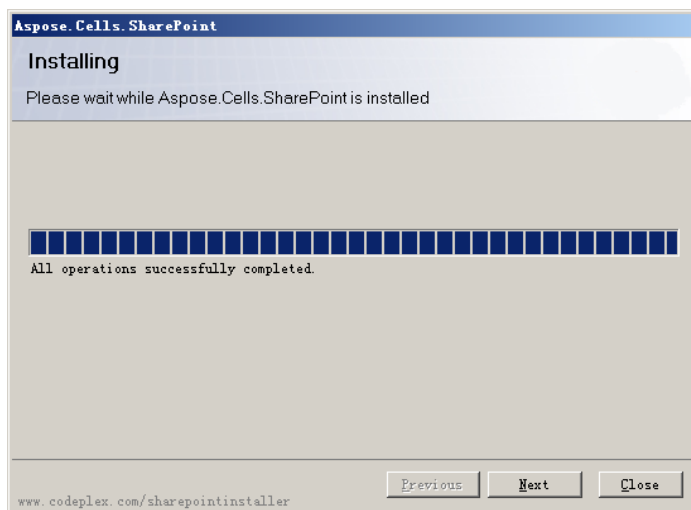
- Display End User License Agreement. The user must accept the agreement in order to proceed.



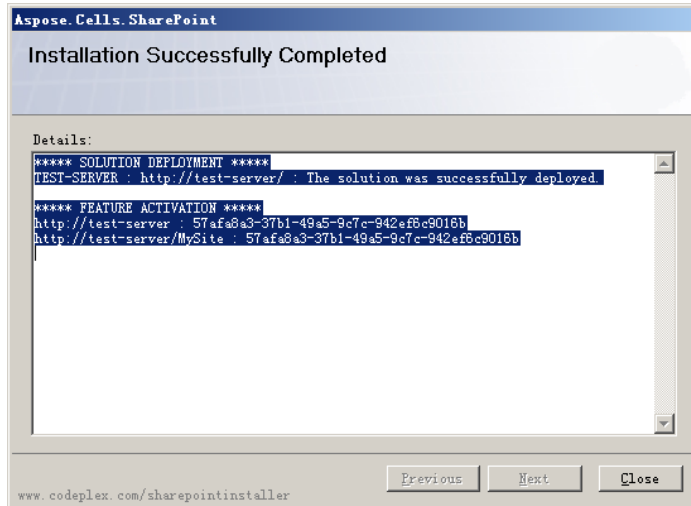
- Display deployment target selection dialog. The user selects web applications and site collections where the feature shall be activated. See the figure below.



- Deploy the feature to the server farm.



- Activate the feature for the selected site collections and configure their parent web applications.
- Display a list of web applications and site collections where the feature has been deployed and activated.



More installation details

Deployment

Aspose.Cells for SharePoint performs the following actions during deployment:

- Install Aspose.Cells.SharePoint.dll into Global Assembly Cache and add SafeControl entry to the web.config file.
- Install feature manifest and other necessary files to the appropriate directories.
- Register the feature in the SharePoint database and make it available for the activation at the feature scope.

Activation

Aspose.Cells for SharePoint is packaged as a site (site collection) level feature and can be activated and deactivated on site collections.

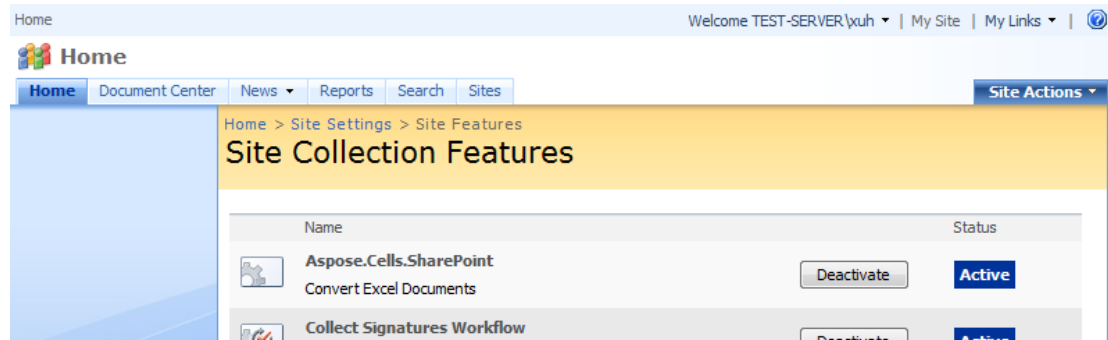
During activation, the feature makes some changes to the virtual directory of the parent web application of the site collection:

- Add conversion settings page to the sitemap file
- Copy necessary resource files to the App_GlobalResources folder in the virtual directory

Activation and Deactivation after installation

During installation, Aspose.Cells for SharePoint is activated for all selected site collections. After installation, you can use Site Actions menu at the root web site of a site collection to activate and deactivate Aspose.Cells for SharePoint.

Activating Aspose.Cells for SharePoint on a site collection.



A known issue regarding permissions to the personal site collections

SharePoint by default does not grant full permissions to manage personal sites to portal administrators. That is why activation and deactivation on a personal site collection might fail when it is performed by portal administrators. This includes activation and deactivation during setup. When this issue occurs during installation, `UnauthorizedAccessException` at `Microsoft.SharePoint.SPFeature.Activate()` is logged to the SharePoint trace log when deactivation fails as a part of un-installation, `UnauthorizedAccessException` is displayed on the last setup screen for the failed deactivation(s).

To prevent this issue, you can grant portal administrators the permission to manage MySite Web application by following the steps given below:

- Go to SharePoint Central Administration and select Application Management tab.
- Choose "Policy for Web Application" under the "Application Security" group.
- Make sure you select the correct Web Application for your "My Site" in the "Web Application" drop down list on the right.
- Select "Add Users" on the upper left.
- Choose "All Zones" by default on the "Add Users" screen and click "Next".
- Add the appropriate user(s) or Active Directory group that you want to have control over your "My Site" Web Application. Select the level of control. Click "Finish".

Granting permission to the personal sites.

Central Administration

Home Operations **Application Management** Site Actions

Central Administration > Application Management > Policy for Web Application > Add Users

Add Users

See Also

- Manage Permission Policy

View All Site Content

Central Administration

- Operations
- Application Management

Shared Services Administration

- SharedServices1

Recycle Bin

Web Application	Web Application: http://sharepoint:1972/
Zone The security policy will apply to requests made through the specified zone.	Zone: (All zones)
Choose Users You can enter user names, group names, or e-mail addresses. Separate with semi-colons.	Users: <input type="text" value="BUILTIN\administrators"/>
Choose Permissions Choose the permissions you want these users to have.	Permissions: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Full Control - Has full control. <input type="checkbox"/> Full Read - Has full read-only access. <input type="checkbox"/> Deny Write - Has no write access. <input type="checkbox"/> Deny All - Has no access.
Choose System Settings System accounts will not be recorded in the User information lists unless the account is directly added to the permissions of the site. Any changes made by a system account will be recorded as made by the system instead of the actual user account.	<input type="checkbox"/> Account operates as System

< Back Finish

Uninstalling Aspose.Cells for SharePoint

To uninstall Aspose.Cells for SharePoint, just run the setup program. If Aspose.Cells for SharePoint is already installed, the setup program suggests removing or repairing it.

Please note that "Repair" option does not re-activate Aspose.Cells for SharePoint for any site collections. The feature must be activated manually after re-deployment with "Repair" option. Uninstalling using "Remove" option and then installing back again may be more convenient as it allows selecting target web applications and site collections during installation.

Choose "Remove" option to uninstall the feature.

Aspose.Cells.SharePoint

Repair or Remove

Please select the operation you wish to perform

Aspose.Cells.SharePoint is already installed. What would you like to do?

☒ **Repair**
Retracts the solution from all web applications and deploys it once again.

☐ **Remove**
Retracts the solution from all web applications and deletes it from the SharePoint solution store.

www.codeplex.com/sharepointinstaller

Previous Next Abort

During un-installation the setup program deactivates Aspose.Cells for SharePoint feature for all site collections and retracts the solution from the server farm.

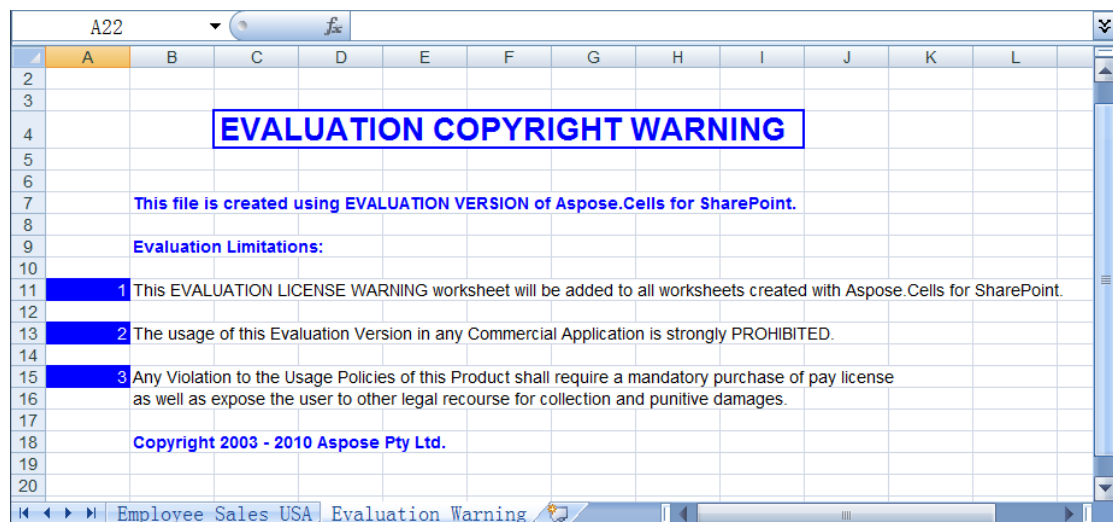
Evaluate Aspose.Cells for SharePoint

Make sure to take advantage of the free Aspose.Cells for SharePoint evaluation as it has no time limit, and free technical support is provided for evaluation users too.

It is the same download for both the evaluation and the paid version of Aspose.Cells for SharePoint. Simply download Aspose.Cells for SharePoint from the download page, install it and it will work in the evaluation mode by default.

Evaluation mode injects an Evaluation Warning into exported documents. When you have purchased a license, simply install the license solution over installed evaluation copy of Aspose.Cells for SharePoint and it will then work in the licensed mode.

Aspose.Cells for SharePoint injects an Evaluation Warning when working in the evaluation mode.



License Aspose.Cells for SharePoint

Installing Aspose.Cells for SharePoint License

Once you are happy with your evaluation, you can [purchase a license](#). Before purchasing make sure you understand and agree to the license subscription terms.

The license will be emailed to you after the order has been paid. The license is a .zip archive containing a regular SharePoint solution package.

This archive contains:

- Aspose.Cells.SharePoint.License.wsp

SharePoint solution package file. Aspose.Cells for SharePoint License is packaged as a SharePoint solution to facilitate deployment/retraction across the server farm.

- readme.txt

License installation instructions. License installation is performed from the server console via stsadm.exe. The steps required to install the license are given below.

Note: The paths are omitted for clarity. You may need to add the actual path to stsadm.exe and/or solution file when executing them.

1. Run stsadm to add the solution to the SharePoint solution store:

```
stsadm.exe -o addsolution -filename Aspose.Cells.SharePoint.License.wsp
```

2. Deploy the solution to all servers in the farm:

```
stsadm.exe -o deploysolution -name Aspose.Cells.SharePoint.License.wsp -immediate -force
```

3. Execute administrative timer jobs to complete the deployment immediately

```
stsadm.exe -o execadmsvcjobs
```

Note: You will receive a warning when running deployment step if Windows SharePoint ServicesAdministration service is not started. Stsadm.exe relies on this service and Windows SharePointTimer Service to replicate solution data across the farm. If these services are not running on your server farm, you may need to deploy the license at each server.

Testing a License

To test that a license has been installed correctly, convert any document into desired format. If the document contains no Evaluation Warning, the license was activated successfully.

Uninstalling Aspose.Cells for SharePoint License

To uninstall Aspose.Cells for SharePoint license, please use the steps below from the server console.

1. Retract the license solution from the farm:

```
stsadm.exe -o retractsolution -name Aspose.Cells.SharePoint.License.wsp -immediate
```

2. Execute administrative timer jobs to complete the retraction immediately:

```
stsadm.exe -o execadmsvcjobs
```

3. Wait for the retraction to complete. You can use Central Administration to check if the retraction completed under Central Administration -> Operations -> Solution Management

4. Remove the solution from the SharePoint solution store:

```
stsadm.exe -o deletesolution -name Aspose.Cells.SharePoint.License.wsp
```

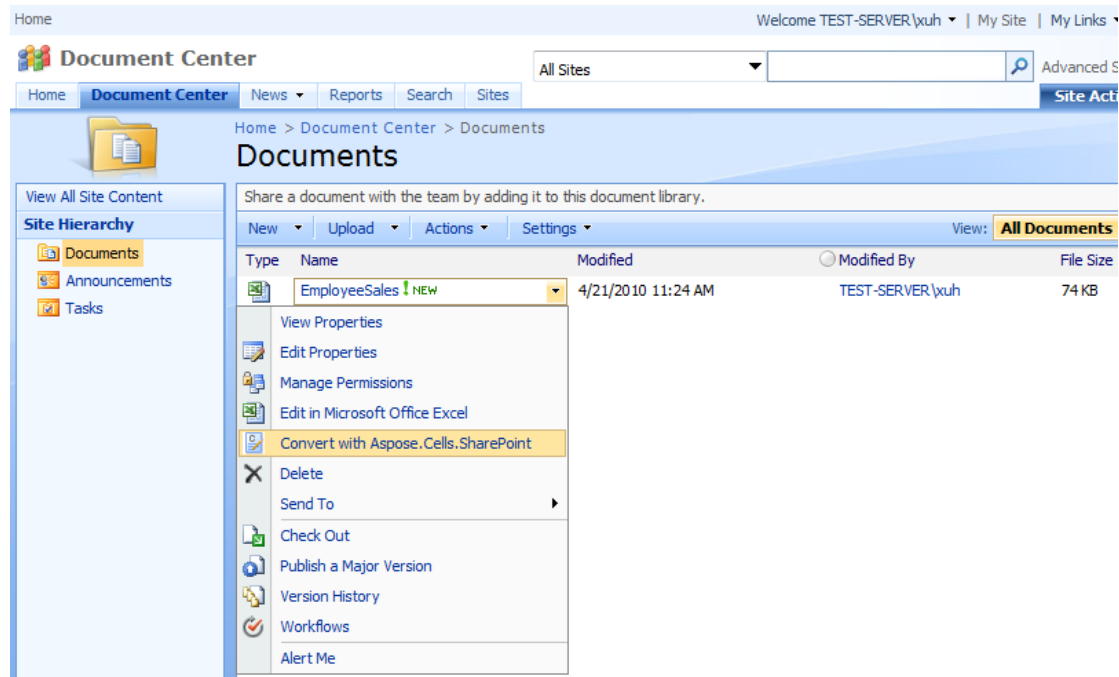
User's Guide

Convert one File

To convert a particular document in a document library please choose "Convert with

Aspose.Cells.SharePoint” item in the document’s Edit Control Block (ECB).

Selecting “Convert via Aspose.Cells” item in the document’s ECB.



This will lead you to conversion settings screen that allows tuning of the following options:

“**Convert to**” dropdown list selects desired destination file format.

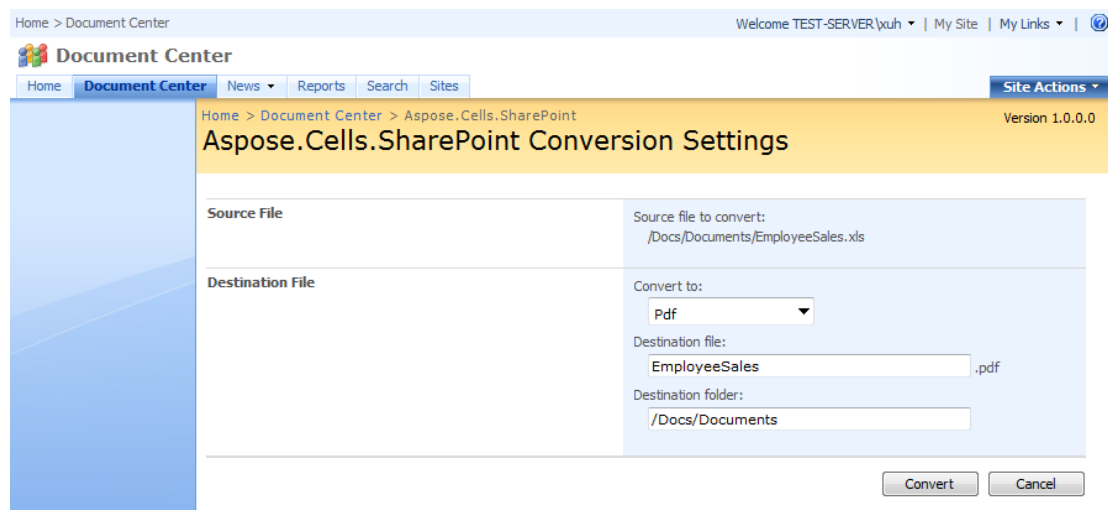
“**Destination file**” edit box allows entering the name of destination file. By default, Aspose.Cells for SharePoint pre-populates this field with the name of the source file. But you can change it if needed. The extension is added automatically depending on the selected format.

“**Combine Files**” check box lets you combine files into one document. When the check box is selected, destination file edit box is valid, change name.

“**Convert**” button launches conversion process.

“**Cancel**” button gets you back to the library and dismisses all changes in settings.

Conversion Settings screen for one file conversion.

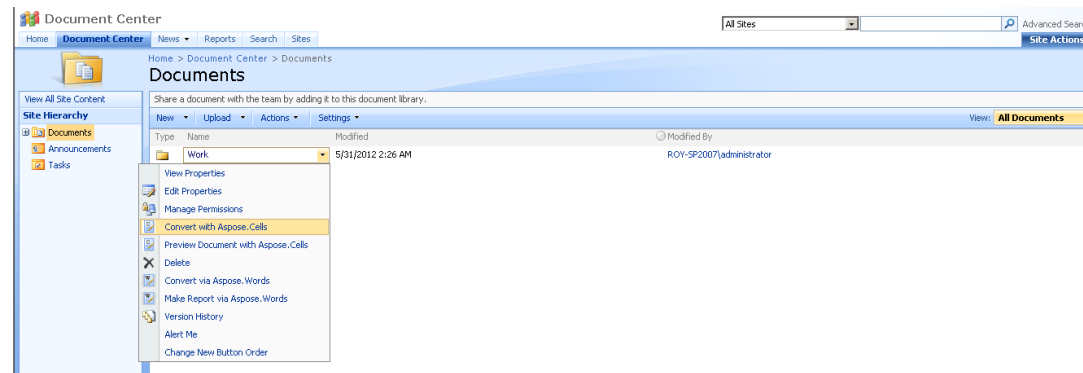


Convert Multiple Files

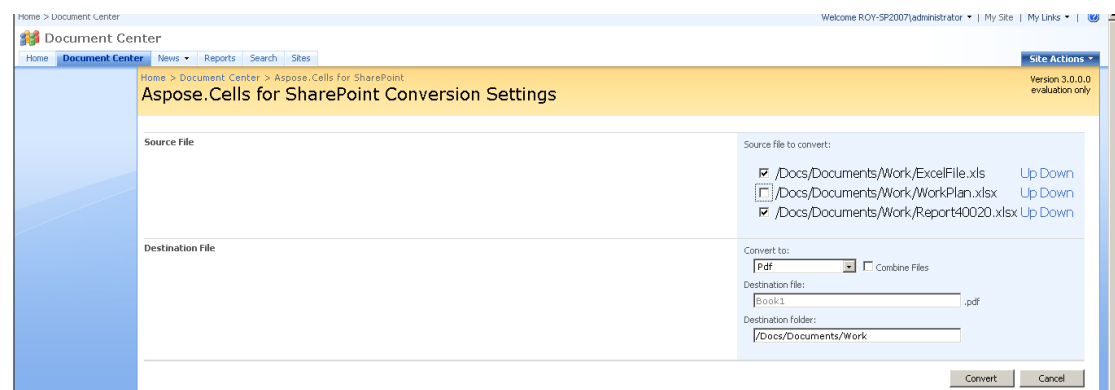
If you want to convert all files in a folder, you can do it by selecting “Convert via Aspose.Cells” option in ECB of desired folder while staying in the parent.

If you want to convert multiple files, you can do it by selecting multiple files and “Convert via Aspose.Cells” option.

Convert all files in the subfolder.

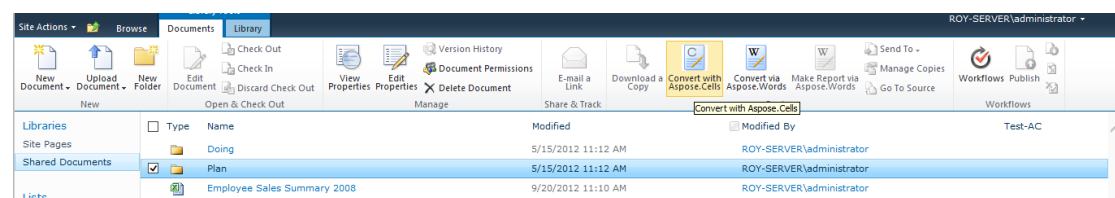


Select file item check box in a document library view to change convert file number.



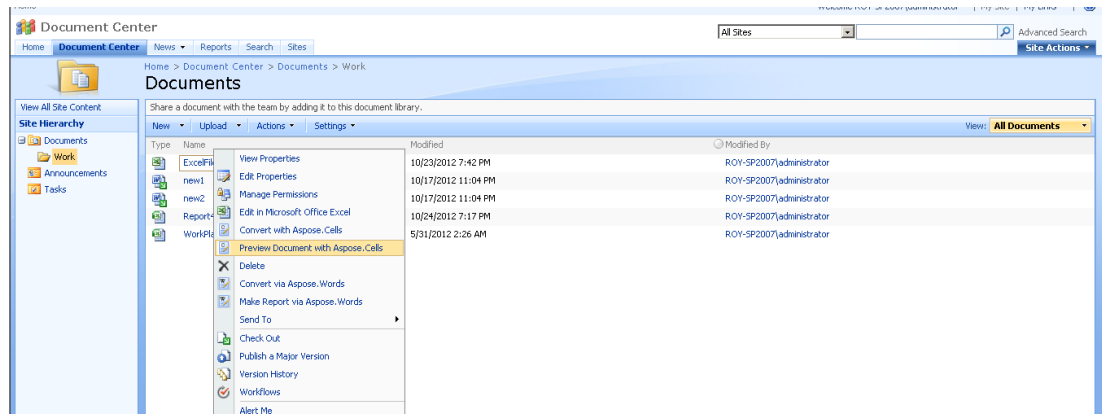
Using Server Ribbon Button under SharePoint 2010

Under SharePoint 2010, server ribbon button is available instead of the custom action menu item used with SharePoint 2007 / WSS 3.



Preview document

To preview an Excel document in the document library, please choose “Preview document with Aspose.Cells” item in the document’s Edit Control Block (ECB).



Public API

Customers developing their own SharePoint solutions can have an access to our conversion engine via public API. This includes all supported file formats and conversion options. The detailed interface specifications in our [API Reference](#) is accompanied with different C# and VB samples.

Technical Articles

Aspose.Cells for SharePoint – Usage and Benefits



Introduction

SharePoint sites are meant for collaboration, communication and content storage in order to fulfill particular business needs. Aspose.Cells for SharePoint has been introduced to perform certain operations on Microsoft Excel documents available in your SharePoint document library located at SharePoint site server. This article covers the following:

- A brief about SharePoint document library
- Benefits of using Aspose.Cells for SharePoint
- Converting Microsoft Excel documents into other formats using Aspose.Cells for SharePoint

A brief about SharePoint document library

The contents on SharePoint sites are in the form of documents shared at a centralized location called SharePoint document library (sometimes known as shared document library). The authorized SharePoint site users can upload their documents from their local machines to the SharePoint site server. These documents are stored in the binary format at the SQL Server database used by the SharePoint site. These documents become available to other SharePoint site users in the form of a list of hyperlinks as shown below:

Type	Name	Modified	Modified By
	my Presentations	7/13/2010 6:03 PM	SABIR\administrator
	Book1	8/10/2010 7:54 AM	SABIR\administrator
	Book1	8/10/2010 8:06 AM	SABIR\administrator
	Book1	8/10/2010 8:04 AM	SABIR\administrator
	Book2	8/10/2010 8:09 AM	SABIR\administrator
	Book2XLS	8/10/2010 8:10 AM	SABIR\administrator
	Book2XLSX	8/10/2010 8:10 AM	SABIR\administrator

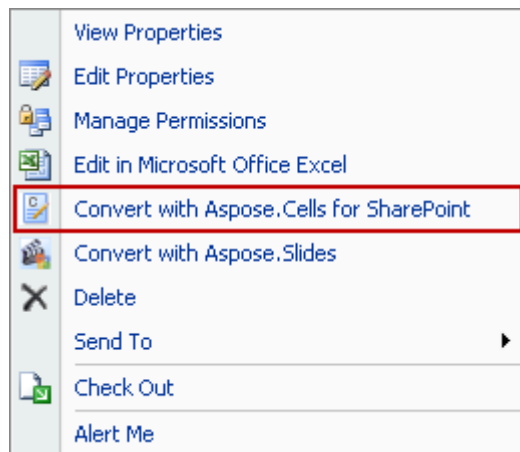
Benefits of using Aspose.Cells for SharePoint

The following list highlights a few benefits of using Aspose.Cells for SharePoint:

- The SharePoint site server does not have built-in capability to convert Microsoft Excel files directly on the server. Aspose.Cells for SharePoint adds this feature to the SharePoint site server.
- Aspose.Cells for SharePoint does not require Microsoft Excel for its operations. It is installed on the server and SharePoint site users do not have to install Microsoft Excel on their local systems in order to convert Microsoft Excel documents from one format to the other.
- Aspose.Cells for SharePoint does not require any pre-requisite except those required for creating a SharePoint site.
- Aspose.Cells for SharePoint can be easily deployed on the SharePoint site server through a Setup program. For more information, please visit [this topic](#).
- Aspose.Cells for SharePoint supports a number of input and output formats. For supported format details, please visit [this topic](#).
- Aspose.Cells for SharePoint exposes a public API for the developers to develop their own SharePoint solutions.

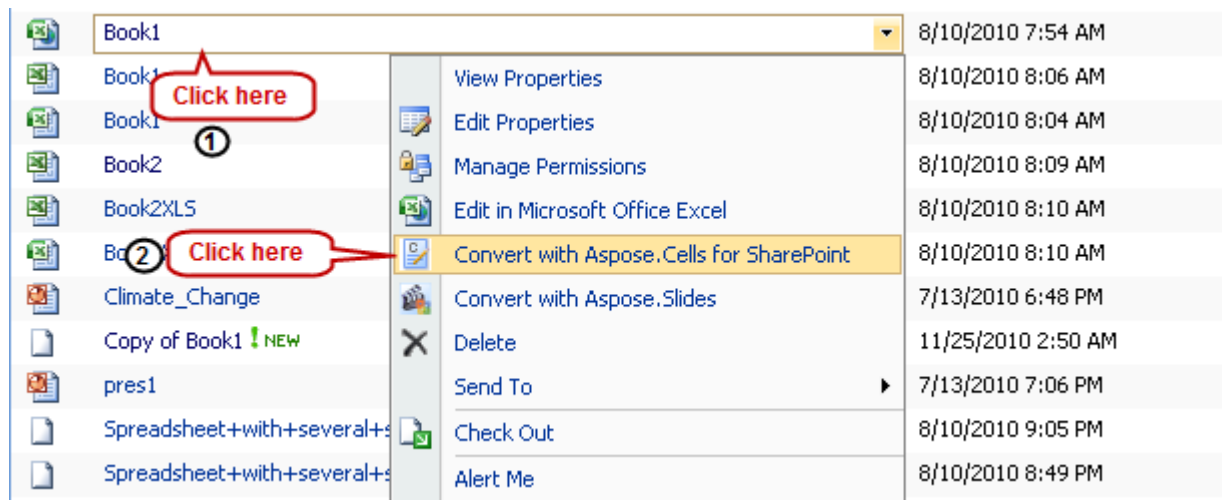
Converting Microsoft Excel documents into other formats using Aspose.Cells for SharePoint

Once Aspose.Cells for SharePoint is installed on the SharePoint server, it adds an item **Convert with Aspose.Cells.SharePoint** in the mouse click menu as highlighted below:



To convert a Microsoft Excel document from your SharePoint document library into other formats, follow the below steps:

- Click on the desired Microsoft Excel document and then click **Convert with Aspose.Cells for SharePoint**



- This will result into the display of the form where you can select your desired output format. You can also change the output file name and the destination folder on the document library. After this, you can click **Convert** button to finally convert the file.

Team Site > Aspose.Cells for SharePoint

Version 1.0.0.0
evaluation only

Aspose.Cells for SharePoint Conversion Settings

Source File

Source file to convert:
/Shared Documents/Book1.xls

Destination File

Convert to:
Pdf

Destination file:
Book1.pdf

Destination folder:
/Shared Documents

Click here

Convert

Cancel

- After completing the conversion successfully, the successful completion form will be displayed. Click **Return** to get back to the document library.

Team Site > Aspose.Cells for SharePoint

Version 1.0.0.0
evaluation only

Aspose.Cells for SharePoint Conversion Settings

Conversion is complete.

- Source File: Book1.xls
- Destination File: Book1.pdf

Click here

Return

- Now, the converted document will appear in the list of documents in the SharePoint document library.

Type	Name	Modified
Folder	my Presentations	7/13/2010 6:03 PM
Excel	Book1	8/10/2010 7:54 AM
Excel	Book1 ! NEW	11/25/2010 3:59 AM
Excel	Book1	8/10/2010 8:06 AM
Excel	Book1	8/10/2010 8:04 AM
Excel	Book2	8/10/2010 8:09 AM

Conclusion

The installation and usage of Aspose.Cells for SharePoint is quite easy. It not only adds a rich feature of converting Microsoft Excel file directly on the server, but also eliminates the requirement of Microsoft Excel to be installed on the client machines. Moreover, developers can use

Aspose.Cells for SharePoint public API to develop their own SharePoint solutions. In other words, it is beneficial for SharePoint site administrators, developers as well as end users.