

The system uses the **SharePoint data source** web part to retrieve the requested SharePoint data, and displays this data through another [web part](#) placed on the same page, e.g. the **Basic repeater** web part.

The **SharePoint data source** web part loads the data based on:

- specified SharePoint server connection

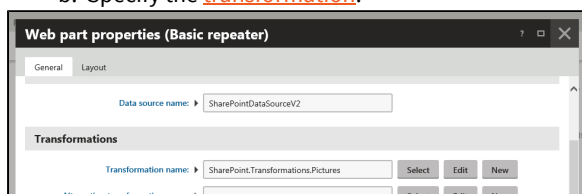
-AND-

- specified data retrieval mode.

Displaying SharePoint data in Kentico


To display SharePoint data on a Kentico website, you need to:

1. [Configure](#) a SharePoint integration connection.
2. [Configure](#) the **SharePoint data source** web part.
3. [Add](#) a content displaying web part into a page containing the **SharePoint data source** web part.
 - You can use the **Basic repeater** web part.
4. Configure the content displaying web part.
 - a. Specify the data source.
 - The data source name must be the value of the **Web part control ID** property of the **SharePoint data source** web part.
 - b. Specify the [transformation](#).



If you now preview the page, the system displays the requested SharePoint data.

Example

Lion
 The lion (*Panthera leo*) is one of the four big cats in the genus *Panthera*.
 Author: MYSHAREPOINTSITELauraW
 (Created on: 5/20/2014 11:20:29 AM)

Keywords
 animal, wild, nature

In the above example, the content displaying web part uses the following custom *Picture library items* transformation.

```
<h2><%# Eval("Title") %></h2>
<p><%# Eval("Description") %></p>
<%-- 'Author' is a lookup field containing ID and value separated by semicolon. --%>
Author: <%# Eval("Author").ToString().Split(new[]{';'}[1]) %><br />
(Created on: <%# Eval("Created") %>><br />

<h5>Keywords</h5>
<%# Eval("Keywords") %>
```

Based on the transformation definition and configuration of the **SharePoint data source** web part, the system displays the following SharePoint item information:

- title
- description
- author (preceded by 'Author:'; consists of *domain name* and *user name*, separated by a backslash)
- date of creation (in brackets; preceded by 'Created on:')
- image file
- keywords (preceded by the 'Keywords' heading)



You can find SharePoint transformations in **Page types -> Page types** while editing the **SharePoint - Transformations** page type on the **Transformations** tab.

You can customize these transformations, and you can also add your custom ones.

See [Creating transformations for pages](#) for further details.

Available methods

The system allows you to call from the transformation the following methods with optional parameter values:

- [GetSharePointFileUrl\(\)](#)
- [GetSharePointImageUrl\(\)](#)

If you need to resize images and control their caching, use the **GetSharePointFileUrl()** method. This is because the method's respective parameter values override the [settings](#) as configured in **Settings -> Integration -> Microsoft SharePoint**.

GetSharePointFileUrl()

The full syntax of the **GetSharePointFileUrl()** method is

```
public string GetSharePointFileUrl(string fileRefColumnName = null, int? cacheMinutes = null, int? cacheFileSize = null, int? width = null, int? height = null, int? maxSideSize = null)
```

Parameter name	Default value if not specified	Description
fileRefColumnName	"FileRef"	Specifies the name of the column containing the name of the file.
cacheMinutes	configured in Settings -> Integration -> Microsoft SharePoint	Specifies how long the file is cached on the web server machine.
cacheFileSize	configured in Settings -> Integration -> Microsoft SharePoint	Files bigger than <i>cacheFileSize</i> kB are not cached. For resized images, the size of the resized image is used.
width	none	Only affects images. The system resizes the image to have maximum width equal to <i>width</i> in pixels.
height	none	Only affects images. The system resizes the image to have maximum height equal to <i>height</i> in pixels.
maxSideSize	none	Only affects images. The system resizes the image to have maximum side size equal to <i>maxSideSize</i> in pixels.

Implementation example	Description
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<pre><%# GetSharePo intFileUrl () %></pre>	<p>The system caches the files as configured in Settings -> Integration -> Microsoft SharePoint. The name of the column containing the name of the file is <i>FileRef</i>, which can be used, for example, while working with picture libraries.</p>
<pre><%# GetSharePo intFileUrl ("NameOfCo lumnContai ningPathTo File") %></pre>	<p>The system caches the specified files as configured in Settings -> Integration -> Microsoft SharePoint.</p>
<pre><%# GetSharePo intFileUrl ("NameOfCo lumnContai ningPathTo File", 5, 1024) %></pre>	<p>The system caches the specified files up to the size of 1024 KB for 5 minutes.</p>

GetSharePointImageUrl()

The full syntax of the **GetSharePointImageUrl()** method is

```
public string GetSharePointImageUrl(string fileRefColumnName = null, int? width =
null, int? height = null, int? maxSideSize = null)
```

Parameter name	Default value if not specified	Description
fileRefColumnName	"FileRef"	Specifies the name of the column containing the name of the image.
width	none	The system resizes the image to have maximum width equal to <i>width</i> in pixels.
height	none	The system resizes the image to have maximum height equal to <i>height</i> in pixels.
maxSideSize	none	The system resizes the image to have maximum side size equal to <i>maxSideSize</i> in pixels.

Implementation example	Description
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<pre><%# GetSharePo intImageUr l() %></pre>	<p>The system caches the images as configured in Settings -> Integration -> Microsoft SharePoint. The name of the column containing the name of the image is <i>FileRef</i>, which can be used, for example, while working with picture libraries.</p> <p>The system does not resize the images.</p>
<pre><%# GetSharePo intImageUr l ("NameOfCo lumnContai ningPathTo File") %></pre>	<p>The system caches the specified images as configured in Settings -> Integration -> Microsoft SharePoint.</p> <p>The system does not resize the images.</p>
<pre><%# GetSharePo intImageUr l ("NameOfCo lumnContai ningPathTo File", null, 200) %></pre>	<p>The system caches the specified images as configured in Settings -> Integration -> Microsoft SharePoint.</p> <p>The system resizes the images to have maximum height of 200 pixels. The image width is determined dynamically to preserve the image aspect ratio.</p>
<pre><%# GetSharePo intImageUr l ("NameOfCo lumnContai ningPathTo File", null, null, 300) %></pre>	<p>The system caches the specified images as configured in Settings -> Integration -> Microsoft SharePoint.</p> <p>The system resizes the images to have maximum size of any side 300 pixels.</p>



You can skip any parameter, or you can enter *null* instead.