

Sparqube Picture Column







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Overview

Sparqube Picture Column is simple and intuitive component for uploading and displaying images in SharePoint lists.

News Articles

  Title	Picture	Description	Author
A Check List Before a Flying Car Takes Off		For vehicles like the Terrafugia Transition flying car, regulators have had to determine whether the rules of the road or the skies take precedence in governing them.	CHRISTINE NEGRONI
How Apple Sidesteps Billions in Taxes		Apple serves as a window on how technology giants have taken advantage of tax codes made for an industrial age.	CHARLES DUHIGG and DAVID KOCIENIEWSKI
On High-Speed Rails, a New Challenger in Italy		Europe's first private operator of high-speed, domestic trains started running on Saturday, seeking to compete against state-run service with an emphasis on style.	GAIA PIANIGIANI
People's Choice Returns With Apps and Adele		The Camry represents the wisdom of the crowd, a safe harbor for those who just aren't that interested in cars. And for the redesigned 2012 model, nothing much has changed beyond the dashboard and lower prices.	EZRA DYER

[+ Add new item](#)

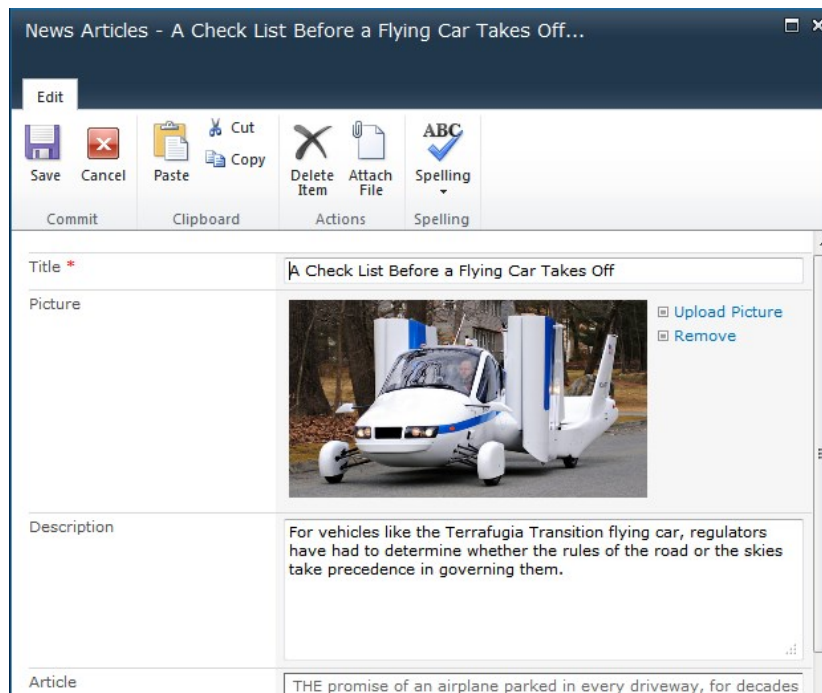
Adding image to SharePoint list is as simple as selecting image from disk and clicking Upload button, all other steps will be done without any further manual interventions:

- Images are automatically linked with items;
- Large images are automatically resized to reduce image size;
- Images of rarely-used formats like Tiff or BMP are automatically converted to more web-friendly formats like JPEG or PNG;
- Thumbnails shown in list views are automatically generated and associated with original full-size image;
- Item display form will show images with predefined size limit.

Sparqube Picture Column is everything what "Hyperlink or Picture" column should be. There is no need to upload images to picture library manually, open it, copy URL and place it in URL textbox of "Hyperlink or Picture" column of item. Just choose desired images on your computer and upload them.

Unique features allow attaching multiple pictures to one list item, easily manage them by intuitive UI and display them in jQuery lightbox which makes IU experience even more pleasant. Lightbox can run in carousel mode similar to picture slideshow. Text description can be added to each picture, and it will be shown in lightbox along the picture.

With popularity growth of social networking and using SharePoint as public-facing Internet portal platform there is the need to share images with friends, colleagues and business partners. Sparqube Picture Column achieves such goals by leveraging AddThis services to add transparent sharing functionality.



Features

- Upload images from local or network disks
- Support of any type of SharePoint list
- Linking of image to list item and automatically managing its physical location
- List view image display modes: Thumbnail and Link
- Feature-rich jQuery lightbox with carousel
- Share images in social networks using AddThis toolbox
- Download images to disk
- Multiple images per list item
- Automatic image resizing on upload
- Automatic image format conversion
- Predefined image size in list view and item display form
- Ability to specify document library for storing images
- Filter by file extensions

Setup

Requirements

Server:

- SharePoint Foundation 2010/2013 or SharePoint Server 2010/2013/2016
- Windows Server 2008/Windows Server 2008 R2/Windows Server 2012/Windows 7
- .NET Framework 3.5/4.5

Installation

Sparqube Picture Column requires the following permissions for an account running installation:

- Must be a member of the local server **Administrators** group to install application files.
- Must be a member of the SharePoint **Farm Administrators** group to deploy solutions to the farm.

To install Sparqube Picture Column:

1. Run as Administrator self-extracting package **Sparqube.PictureColumn.exe**
2. In confirmation dialog, click **Yes** to proceed with files unpacking
3. In Welcome screen, click **Next** to begin the installation
4. Verify that the system checks pass successfully. If all requirements are met, click **Next** to proceed.
5. Read and accept the End-User License Agreement
6. Select one or more web applications to which you want to deploy Sparqube Picture column
7. Please wait for the setup to deploy the solution. Depending on your farm configuration it can take from 30 seconds up to 15 minutes. Click **Next** to continue

Please check the details to see if solution was properly installed. Click **Close** to finish setup

Licensing

You can use Sparqube Picture Column for 3 days after installation without license. After that if you want to continue using it, you should request free 30-days trial or buy a license.

Note: After evaluation period is expired, you cannot use the product. This will be indicated by the following warning message: "Evaluation period has expired. Please activate the product". You can purchase Sparqube Picture license at any time or you can request extended trial license by contacting sales@sparqube.com.

To activate Sparqube Picture Column on your SharePoint farm you need to:

- 1) Install Sparqube License Manager
- 2) Activate the license

Installing Sparqube License Manager

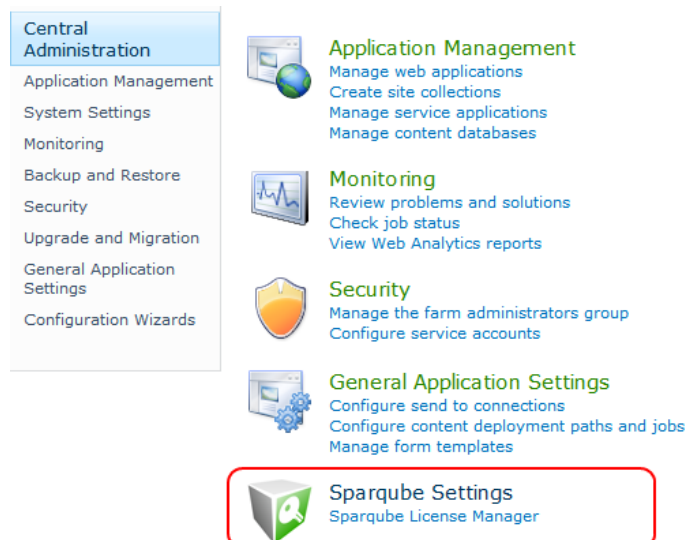
Download Sparqube License Manager from Web site: <http://www.sparqube.com/SharePoint-Picture-Column/Download.aspx> and install it to Central Administration Web application.

Licensing and Activation







You can get Full or Development license key via purchase or request Trial license key via product download web page. License key is sent via e-mail and looks the following way A1B2C3D-E4F5G6H-I7J8K9L-M1N2O3P.

License is activated using License Manager:

- 1) Open SharePoint Central Administration
- 2) Under **Sparqube Configuration** section, click **Sparqube License Manager**:

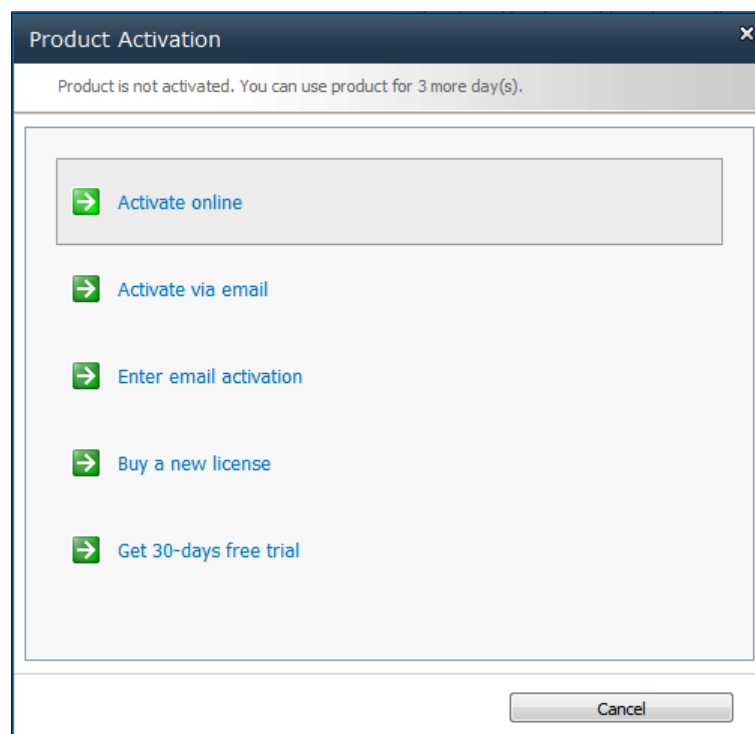


- 3) In this page, you can see all installed Sparqube components and its license type and status. Find **Sparqube Picture Column** and click it

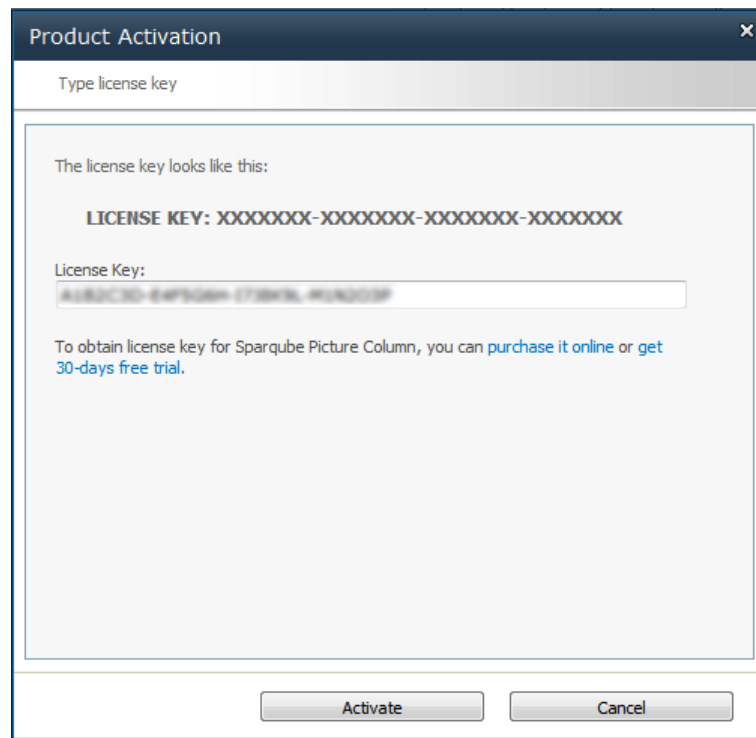
Installed Products					
Product	Version	Edition	License Type	License Status	
 Sparqube Lookup Column	1.0.1202.2601	Standard	No license	Not activated	
 Sparqube Picture Column	1.0.1202.2601	Standard	No license	Not activated	
 Sparqube Status Indicator	1.0.1203.2601	Standard	No license	Not activated	

- 4) In product detail page, you can see product information and licenses details. To activate license click **Enter new license**

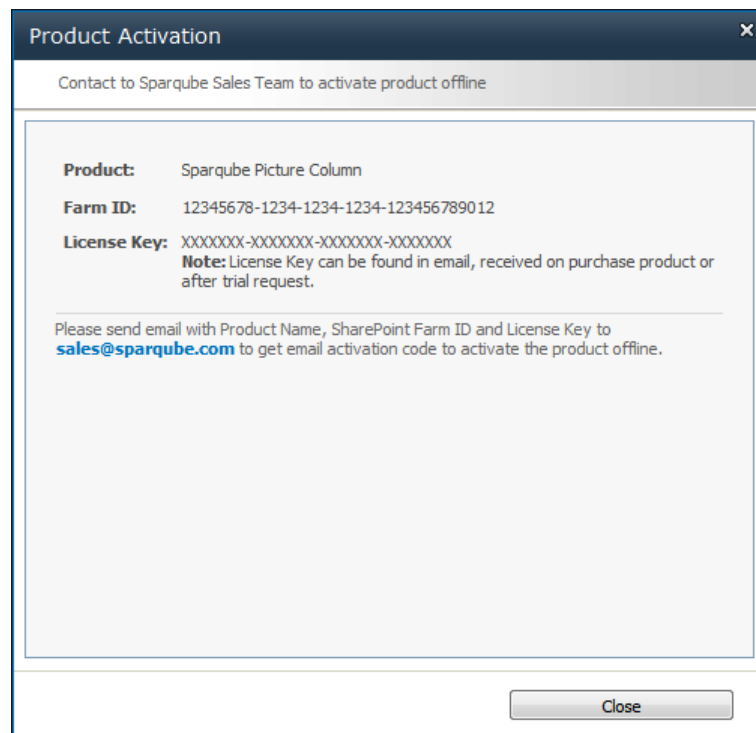
Product	<p>Sparqube Picture Column version 1.0.1202.2601 Picture column allows uploading images and displaying them in original or scaled size.</p>
Product Activation	<p>Product is not activated. You can use product for 3 more day(s). Edition: Standard Current number of WFE servers: 1</p> <p> Enter new license</p>



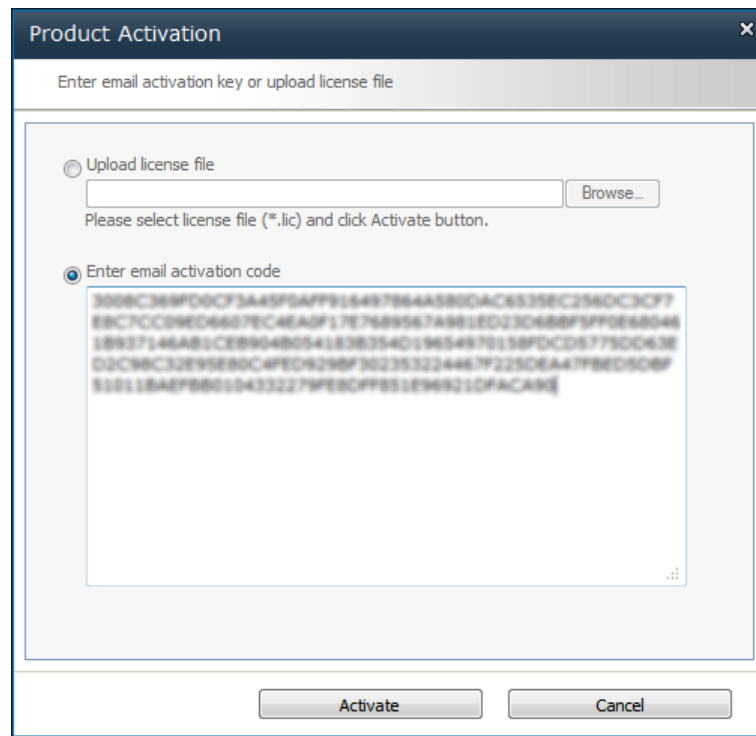
- 5) If SharePoint server has internet connectivity you can activate online:
- In Product Activation dialog, click **Activate online**
 - Enter license key and click **Activate** button



- 6) You can also activate license via email.
 - a. Click **Activate via email**.
 - b. In Product Activation dialog, you can see SharePoint Farm ID. Clicking on email address link in this dialog box will open new message window of your installed email client in which you should enter your license key which you'd like to activate. In case you do not have email client installed on your box you can simply copy Farm ID and License Key and send an email from any other suitable machine to this address sales@sparqube.com.



- c. After that, you will receive an email with activation code within 48 hours.
- d. To enter received activation code please repeat steps 1-4 and click **Enter email activation**.
- e. Enter email activation



7) After successful activation, you can refer to License Manager page and check license details.

Product	<p>Sparqube Picture Column version 1.0.1202.2601 Picture column allows uploading images and displaying them in original or scaled size.</p>										
Product Activation	<p>Product is activated.</p> <p>Serial number: ABCZ1101-0001-0000000001 License type: Full license Edition: Standard Max. number of WFE servers: 1 Current number of WFE servers: 1</p> <table border="1"> <thead> <tr> <th>License Type</th> <th>Edition</th> <th>Max. number of WFE servers</th> <th>Expiration Date</th> <th>State</th> </tr> </thead> <tbody> <tr> <td>Full license</td> <td>Standard</td> <td>1</td> <td>-</td> <td>Active Turn Off</td> </tr> </tbody> </table> <p>Enter new license</p>	License Type	Edition	Max. number of WFE servers	Expiration Date	State	Full license	Standard	1	-	Active Turn Off
License Type	Edition	Max. number of WFE servers	Expiration Date	State							
Full license	Standard	1	-	Active Turn Off							

Configuration

Any number of Sparqube Picture Columns can be added to lists, sites and content types like the standard SharePoint columns.

To add Sparqube Picture column to SharePoint list:

- 1) Open existing list and add new column (In the ribbon, select **List Tools** tab → **List** → **Create Column** in Manage Views section)
- 2) In the **Column Name** box, type a name for the column
- 3) Under **The type of information in this column is**, click **Sparqube Picture**:

Name and Type

Type a name for this column, and select the type of information you want to store in the column.

Column name:

The type of information in this column is:

- Single line of text
- Multiple lines of text
- Choice (menu to choose from)
- Number (1, 1.0, 100)
- Currency (\$, ¥, €)
- Date and Time
- Lookup (information already on this site)
- Yes/No (check box)
- Person or Group
- Hyperlink or Picture
- Calculated (calculation based on other co
- External Data
- Sparqube Lookup
- Sparqube Picture
- Sparqube Status Indicator
- Managed Metadata

Picture Storage

Choose Document Library or its folder where pictures will be stored.

Choose Document Library for picture storage:*

Multiple Value Field

Specify whether the column allows storing and displaying more than one picture per item.

Allow multiple values

File Uploading

Enable filtering by file extension

Type a comma-delimited list of allowed file extensions:

Automatically resize image on upload

Width (pixels): Height (pixels):

Image will be automatically downscaled if its dimensions exceed values specified above.

Image File Format Conversion

Specify conversion rules for rarely used image file formats like TIFF or BMP. Conversion will be performed on-the-fly during upload.

Convert **Bmp** to **Png**

Convert **Tiff** to **Jpeg**

[+ Add conversion rule](#)

Pictures in List View

Uploaded pictures are shown as thumbnails or as links in list view. Depending on "Allow multiple values" setting, it is recommended to restrict thumbnails by width for single picture per item and by height for multiple pictures per item.

Display Mode:

- Link
- Thumbnail

Pictures in Item Display Form

Specify picture size in Item Display Form.

Picture Size in Item Display Form:

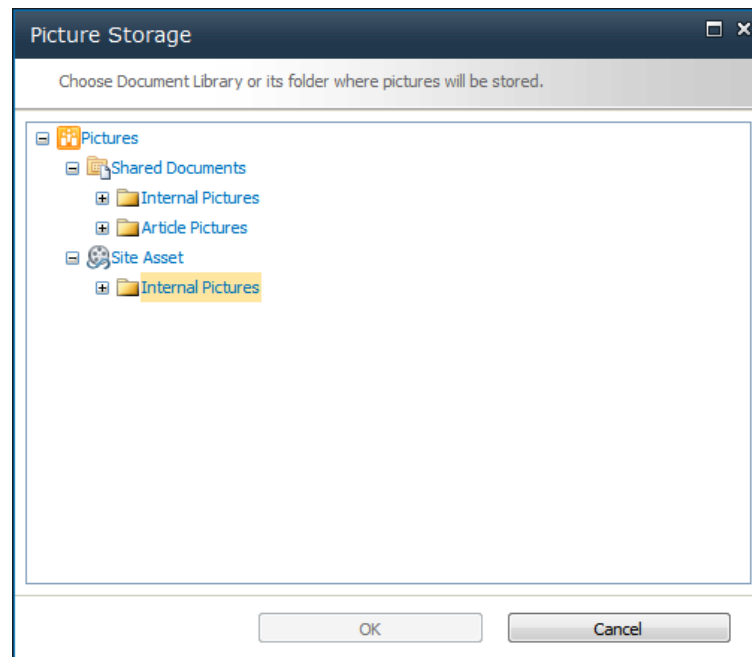
- Use original size
- Specify size
 - Width (pixels):
 - Height (pixels):
- Restrict size
 - Max. width (pixels):
 - Max. height (pixels):

Display Settings

Enable picture descriptions

Enable lightbox

- 4) In **Picture Storage** section, choose document library from current site or its folder where pictures and their thumbnails will be stored



- 5) By default Picture column allows attaching one picture to list item. By checking **Allow multiple values** checkbox, column can be switched to mode allowing attaching multiple pictures to list item. However, please keep in mind that after switching to this mode column cannot be switched back to single picture per item mode.
- 6) In **File Uploading** section:
 - a. You can restrict specific file types from being uploaded. Check **Enable filtering by file extension** option and type a comma-delimited list of allowed file extensions. Error will be shown when user will try to upload a file of another file type, and file will not be saved.
 - b. Select **Automatically resize image on upload** option and specify maximum width and/or maximum height to automatically resize image to predefined size during image upload. If image size will be larger than specified, it will be automatically scaled down to this specified size preserving aspect ratio.
- 7) Sparqube Picture Column supports following image formats: JPEG, PNG, GIF, BMP and TIFF. BMP and TIFF are rarely used in web ecosphere, so it is appropriate to convert them to more common web image formats like JPEG or PNG. This can be easily done with Sparqube Picture Column on-the-fly during image upload. By default no image conversion is performed.

<p>Image File Format Conversion</p> <p>Specify conversion rules for rarely used image file formats like TIFF or BMP. Conversion will be performed on-the-fly during upload.</p>	<p>There are no active image file format conversion rules. To add new rule, click "Add conversion rule".</p> <p>+ Add conversion rule</p>
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To add conversion rule click **Add conversion rule**, select source and target formats in drop-downs and click Add button (green check). To cancel operation click Cancel button (red cancel sign).

<p>Image File Format Conversion</p> <p>Specify conversion rules for rarely used image file formats like TIFF or BMP. Conversion will be performed on-the-fly during upload.</p>	<p>There are no active image file format conversion rules. To add new rule, click "Add conversion rule".</p> <p>Convert <input type="text" value="Tiff"/> to <input type="text" value="Jpeg"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p>
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Image File Format Conversion

Specify conversion rules for rarely used image file formats like TIFF or BMP. Conversion will be performed on-the-fly during upload.

Convert **Tiff** to **Jpeg** 

 [Add conversion rule](#)

Wildcard rule can be added to convert images in any input format to one, for example to JPEG or PNG. During adding conversion rule select "Any" in source format drop-down. This wildcard rule has lowest priority with respect to other rules. To delete conversion rule click Delete button (red cross).

- 8) There are two image display modes in list view: image can be shown as text link or a thumbnail.
- Link** mode is useful when **Allow multiple values** is checked and list items contain several images. This way list view is not cluttered with image thumbnails. Link text is formed from image description if nonempty or file name. File name was not stored by Picture Column in versions prior to 1.2, in such cases generic text "[picture]" will be shown.
 - With **Thumbnail** mode, which is used by default, automatically generated thumbnail images are displayed. Settings in this section allow specifying how thumbnails will be sized. Settings are identical to the settings in **Pictures in Item Display Form** and are described in details in the following section.

Pictures in List View

Uploaded pictures are shown as thumbnails or as links in list view. Depending on "Allow multiple values" setting, it is recommended to restrict thumbnails by width for single picture per item and by height for multiple pictures per item.

Display Mode:

- Link
 Thumbnail

Picture Size in List View:

- Use original size
 Specify size

Width (pixels):

Height (pixels):

- Restrict size

Max. width (pixels):

Max. height (pixels):

- 9) In **Picture Size in Item Display Form** section, you can specify image size in item display form. You can choose one of the following options:
- Use original size** - Select this option if you want the image to appear in its default size, which is the size specified by the image file's properties.
 - Specify size** – Select this option if you want to specify the size of the image. You can only set either the width or the height of the image, because the value that you choose for the image's width or height determines the value of the other dimension based on the original image aspect ratio.
 - Restrict size** – You can use this option to limit image size. You must set maximum width or maximum height, or both for the image by using the **Max. Width** and **Max. Height** properties.
- 10) In **Display Settings** section, additional options can be set:
- Enable picture description** – associates description text with pictures. This text can be specified during item editing and is shown in lightbox.
 - Enable lightbox** – enables jQuery lightbox functionality which adds pleasant user experience while viewing and navigating between images managed by Sparqube Picture Column. Lightbox is particularly useful since it integrates image contextual commands like social network sharing with AddThis and ability to download image to disk.

11) To enable AddThis integration expand **AddThis Integration** section and click **Enable AddThis**:

AddThis Integration

Specify whether AddThis toolbox should be integrated to Picture column. [Click here to read more about AddThis.](#)

Enable AddThis

Show AddThis toolbox in:

Item display form

Lightbox

Item display form and lightbox

AddThis Script URL:

Note: Full URL to AddThis script should include registered AddThis account number.

AddThis Toolbox HTML Code:

```
<div class="addthis_toolbox addthis_default_style">
  <a class="addthis_button_facebook" ></a>
  <a class="addthis_button_twitter" ></a>
  <a class="addthis_button_google_plusone_share" ></a>
  <a class="addthis_button_email" ></a>
  <a class="addthis_button_print" ></a>
  <a class="addthis_button_compact" ></a>
</div>
```

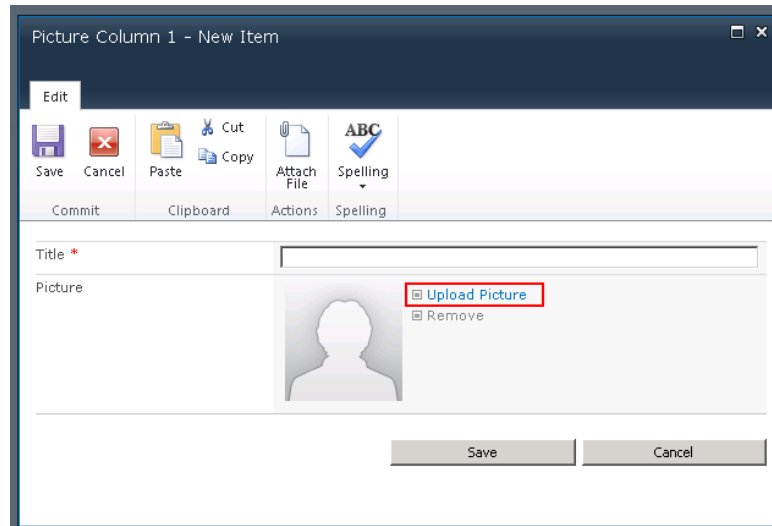
- AddThis toolbox can be added to **Item display form**, **Lightbox** or to both **Item display form and lightbox**. AddThis toolbox will be shown automatically in the top left corner of the image when user will hover mouse over the image.
- AddThis toolbox requires native AddThis script to be loaded from AddThis website. Valid AddThis account number is required for the script to run properly. Current suggested AddThis widget script version is 250. Read more about AddThis integration on [AddThis website](#).
- AddThis toolbox can be customized by changing toolbox HTML code. HTML can be configured on AddThis site and then copied and pasted into **AddThis Toolbox HTML Code** input.

How to Use

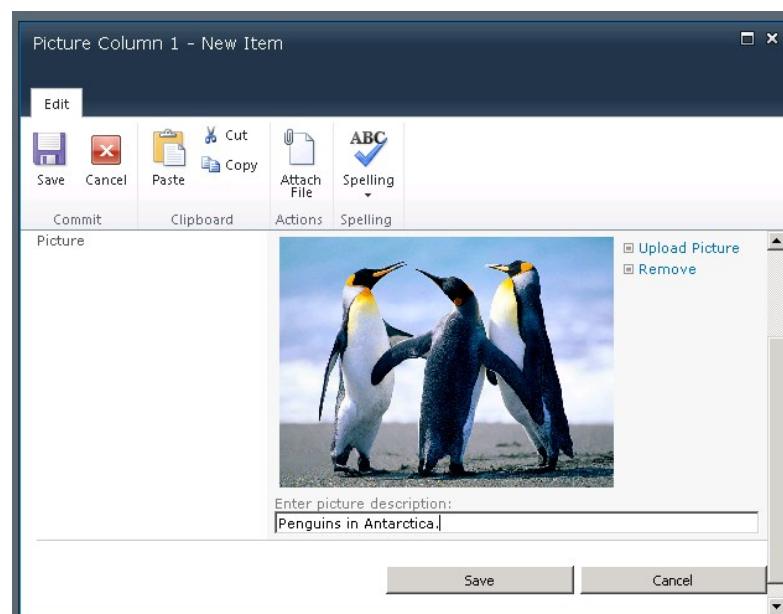
Sparqube Picture Column works in two modes:

- Default mode when only one picture can be added to list item;
- Mode allowing multiple pictures linked to list item.

In single picture per item mode, adding picture to list item is quite straightforward.



In item creation or item editing mode click **Upload Picture**, browse to folder with desired picture, select file and click **OK** in Upload Picture dialog.

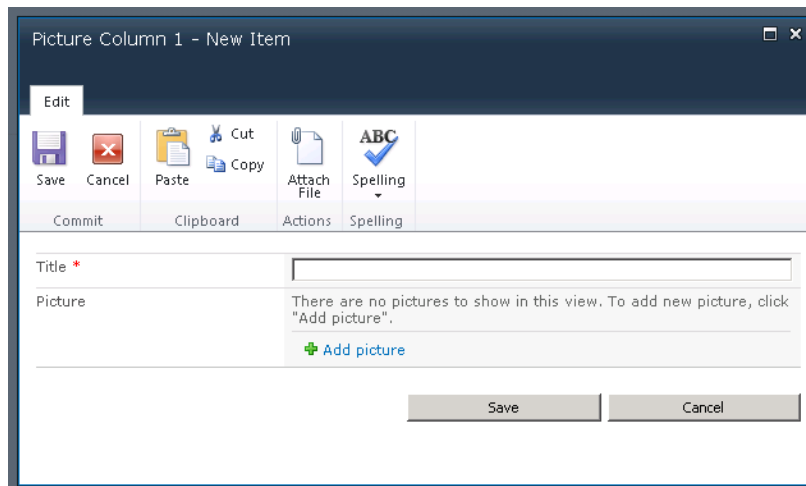


If column option **Enable picture description** is enabled you could add picture description text. Clicking **Save** list item with added picture will be saved.

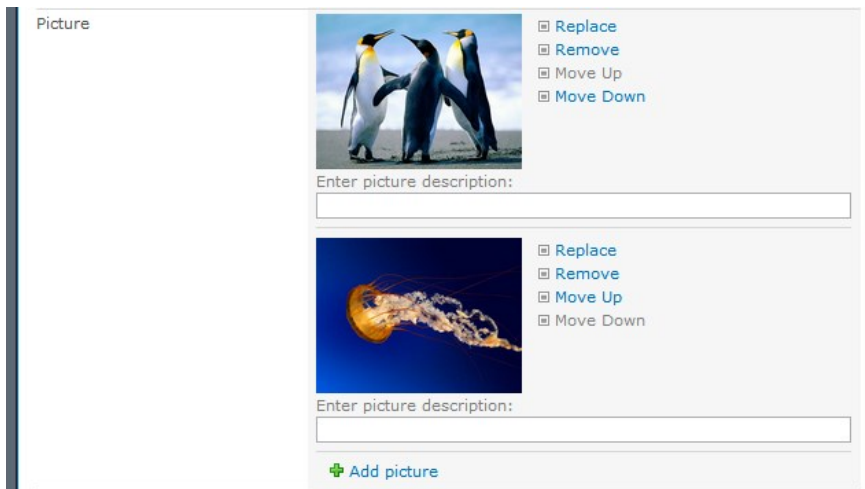
If **Enable lightbox** column option is enabled, clicking on image thumbnail in list view will show lightbox with image scaled to fit browser window. Picture description will be visible under the picture frame along with Close button (X). Lightbox reacts to keyboard and can be closed by pressing Escape.



In multiple pictures per item mode, image editing is slightly different then in single picture per item mode.



Each picture is added by clicking **Add picture**.



Multiple pictures can be ordered by clicking **Move Up** and **Move Down**. Image can be replaced by another or completely removed from list item by corresponding commands: **Replace** and **Remove**.

In multiple pictures per item mode, lightbox has additional controls which allow rotating between item pictures by clicking Previous/Next buttons. Lightbox reacts to keyboard, and navigating to previous/next picture can be done by Right/Left arrow keys. Quick jump icons appear when mouse cursor is hovering lightbox. These icons allow opening immediately any picture inside lightbox.



Play button starts automatic image cycling.

When picture column thumbnail is clicked with Shift key pressed then shown lightbox will include all the images from all Sparqube Picture Columns on the page. Additional button will be visible which will allow opening picture host item (arrow pointing right).

Release Notes

Version 1.10

Changes (build 1.10.1702.1401):

- Added: Support for SharePoint 2016
- Added: Support of deployment to 14 hive on SP2013
- Fixed: Field value editing in Lookup Tracker form
- Fixed: Site with Picture site column export failed
- Fixed: Client scripts were broken when product was not licensed

Changes (build 1.10.1703.2601):

- Fixed: null reference exception for item display form in SP2016

Changes (build 1.10.1705.1601):

- Added: Meta-data fields for Picture Column containing multiple images

Version 1.9

Changes (build 1.9.1505.2101):

- Added: Column meta-data can be extracted to additional fields for Search
- Added: Limited support for sandboxed solutions
- Added: French translation

Changes (build 1.9.1507.301):

- Fixed: RTE editors broke after AJAX requests

Changes (build 1.9.1602.2801):

- Fixed: Unique permissions were not preserved when image was moved to Recycle Bin

Changes (build 1.9.1604.901):

- Fixed: Field control value was not updated when changed externally

Changes (build 1.9.1606.3001):

- Fixed: Thumbnail generation now ignores embedded thumbnails which are usually low-quality

Version 1.8

Changes (build 1.8.1401.501):

- Added: Multiple file upload
- Fixed: Items not updating in QuickEdit mode

Changes (build 1.8.1404.1801):

- Added: Images are now deleted to internal Recycle Bin
- Added: Option to allow anonymous upload

Changes (build 1.8.1409.1801):

- Changed: Improved image lifetime management logic

Changes (build 1.8.1412.1801):

- Added: Option to override aspect ratio and force resize

Changes (build 1.8.1502.1301):

- Fixed: Images were deleted when list items were updated by code or workflows

Version 1.7

Changes (build 1.7.1305.3101):

- Added: Browse feature for reusing existing images in several list items

Changes (build 1.7.1310.2501):

- Fixed: Crash when used in workflows
- Fixed: Lightbox jQuery conflicts

Version 1.6

Changes (build 1.6.1301.2101):

- Added: Right-to-Left languages support (RTL)

Version 1.5

Changes (build 1.5.1301.301):

- Added: Support for SharePoint 2013

Version 1.3

Changes (build 1.3.1210.2901):

- Added: AddThis integration
- Added: Image can be now downloaded from lightbox
- Fixed: Script and CSS files were not referenced properly

Version 1.2

Changes (build 1.2.1208.2801):

- Added: Display mode in list views (Thumbnail or Link)

Version 1.1

Changes (build 1.1.1206.2701):

- Added: jQuery lightbox
- Added: Multiple pictures per item
- Added: Format conversion

Version 1.0

- Initial release (build 1.0.1205.2101)