Multiple File Upload Control

USER GUIDE

Version 1.0
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Date	Version	Changed By	Changes
	No Versioning		Original Version
06.07.2021	Version 1.0	Maryna Nikolaienko	By function - added configuration text for Add and Delete buttons - added method properties to group key control configuration - added file size limit property

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MULTIPLE FILE UPLOAD CONTROL

Out of the box SmartForms provide a one-at-a-time file upload capability. This can be tedious for users who need to upload many files. With drag and drop functionality, the Multiple File Upload Control makes it easy for users to upload many files in one go.

Properties

- ✓ Name: The name of the control as used in SmartForms Rules
- ✓ Watermark: Embedded text seen by the user
- ✓ Width: Percentage of the control space used by the control
- ✓ Visible: Checkbox (show or hide control)
- ✓ File Limit: Optional number of files
- ✓ File Size Limit (Byte) limit on the size of the uploaded file in bytes.
- ✓ Allowed Types: Optional list of allowed file types
- ✓ SmartObject
- ✓ Machine Key (provided by the control)
- ✓ License Key (provided by Bytezoom)

Methods

- ✓ Upload
- ✓ Parameter: Group Key

Events

- ✓ When the control is Changed

Using the control

The control includes instructions and an installer that takes just minutes to run. Once installed, a license key obtained from the Bytezoom web site is configured just once on each K2 Server as shown below.

The Download file includes a robust working example complete with database, SmartObjects, Forms, and Views.

Downloading and Installing Control

1. Clicking on the link will automatically Download the required installation file.

https://www.bytezoom.com/downloads/software/K2_FIVE_Multiple_F ile_Upload_Control.zip

In the *Downloads* section, select the product you need from the list and ***Click to download free trial***. The download will start automatically. Also, you can view the product details by clicking on the link below (*Click for **product details***)

Open the folder where your file was successfully saved after downloading.

2. Before starting the installation of the control, you need to unlock the zip-file and unzip it.

1. To unlock a zip-file, right-click on it. In the context menu, select ***Properties.***

2. In the window that opens, set the checkbox to *Unblock* downloaded files
3. Then click *Apply*
4. Then click *OK.*

3. The next step is to unzip the Files to install it. *Note: The installation will fail if the zip file is opened windows explorer and files copied from there without extracting.*

1. Right click on the zip file
2. In the context menu, Select *Extract All*
3. Then Select the path in which you want to place the folder with the installation and files
4. Click *Ok*
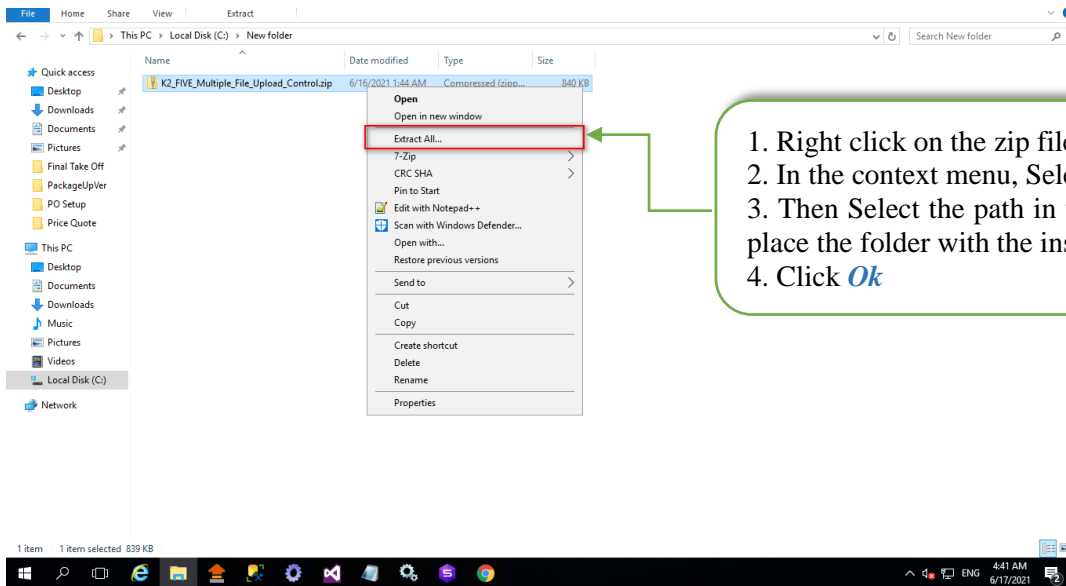
4. Then go to the unzipped folder and proceed with the installation phase.

3. In the pop-up window, click the *Run* button
4. In the window that opens, press any key, and wait for the installation to complete.

1. Open the extracted folder.
2. Right click on *InstallCustomControl.bat* and Select Open or Double-click on this file with the left mouse button
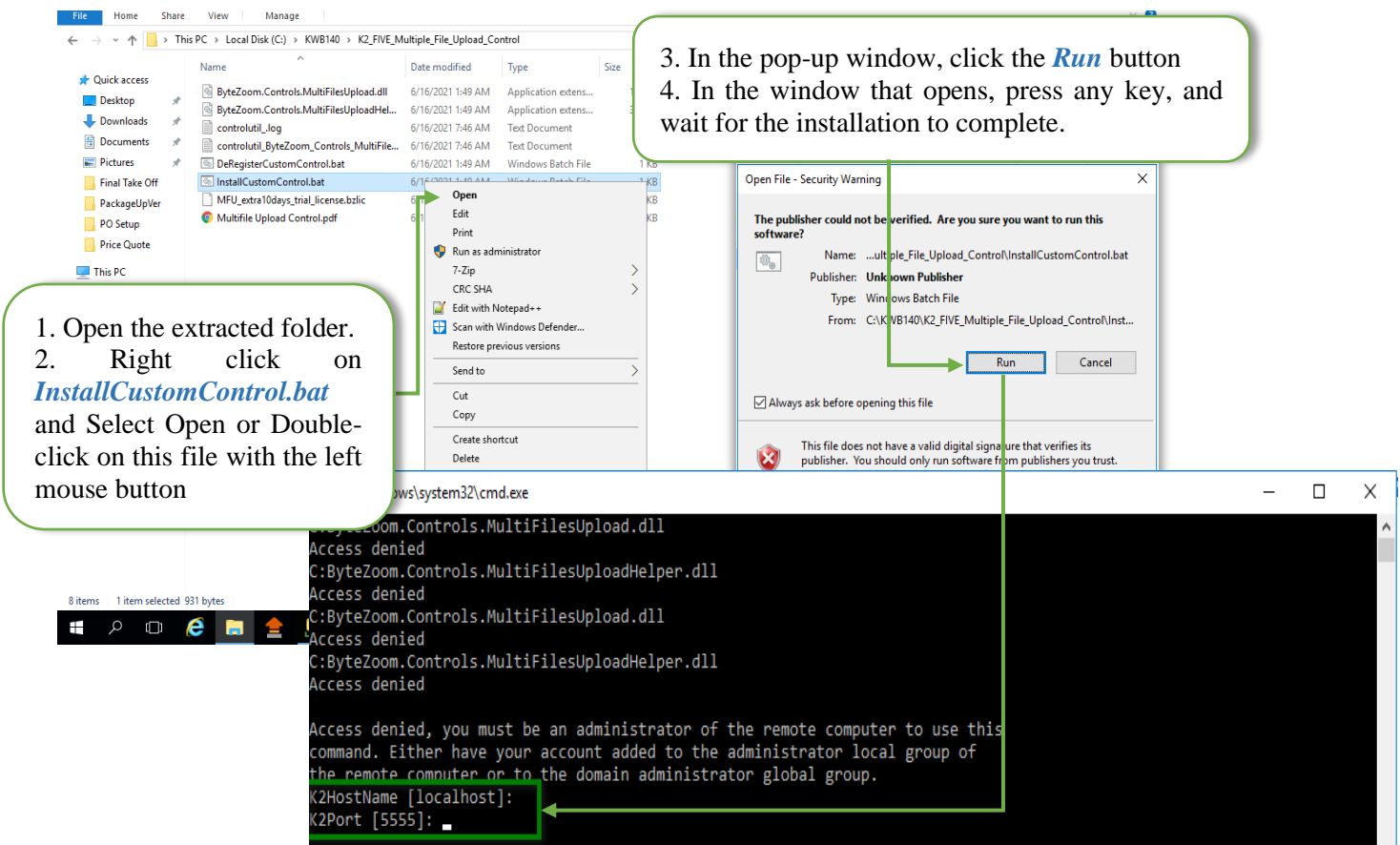
During installation, you may need to enter additional data:

   - If K2 Application Server and Web Server are installed on different servers, Multiple File Upload Control must be installed on the Web Server (where IIS is running) while specifying during the installation of K2 Host DNS Name and Port.

   - If K2 Application Server and Web Server are installed in the same server where will Multiple File Upload Control is installed, user can leave empty K2 Host and Port press Enter key on every request

Note: If you have any problems installing this Control, contact the support service (you can see the information in the Contact details section), attaching the Controlutil_ByteZoom_Controls_MultiFilesUpload.log file

Adding control to View
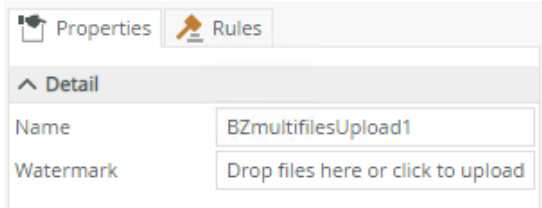
1. Open your View where you plan to use *BZmultifilesUpload Control.*

2. By Selecting BZmultifilesUpload Controls on the Canvas panel. Set Control Properties:

Detail:
➢ Name: The name of the control as used in SmartForm Rules
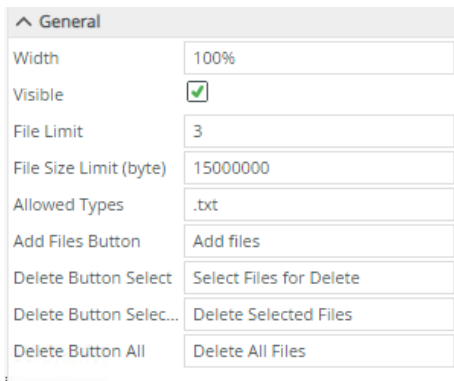➢ Watermark: Embedded text seen by the user

General:
➢ Width: Percentage of the control space used by the Control
➢ Visible: Checkbox (show or hide control)
➢ File Limit: Optional - the number of downloaded files at one time
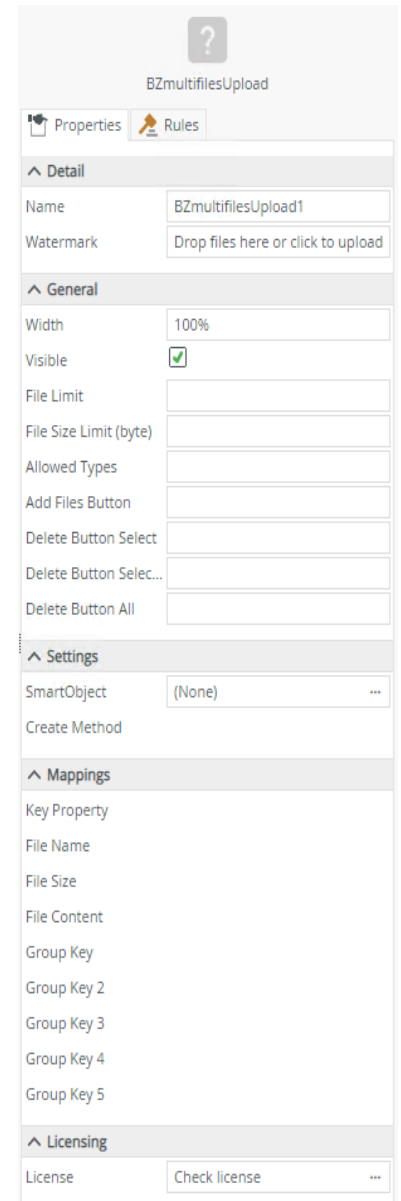➢ File Size Limit (Byte): Optional – limit on the size of the uploaded file in bytes.

* Note: The limit in our environment is 16MB by default, and the standard K2 file attachment control limits files that exceed this limit. To increase the upload file size limit, you need to change the IIS configuration for the K2 Runtime.

➢ Allowed Types: Optional - list of allowed file types.
➢ Add Files Button: Set a value – example Add Files.
➢ Delete Button Select: Set a value – example Select Files for Delete
➢ Delete Button Selected: Set a value – example Delete Selected Files
➢ Delete Button All: Set a value – example Delete All Files

Example of filling

Settings:

➢ SmartObject

Example of filling.

> Set the SmartObject property on the Properties panel.
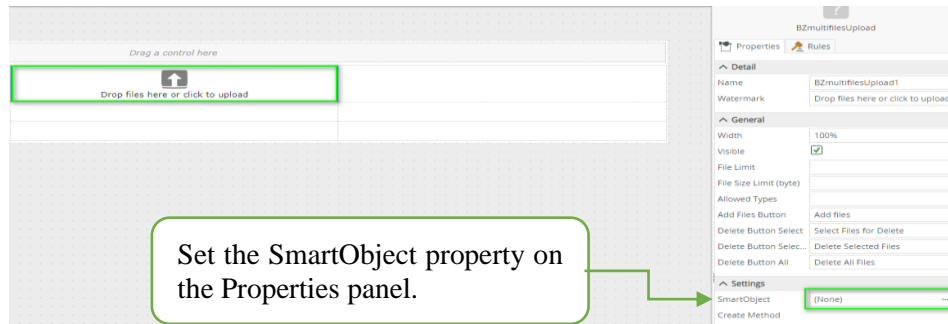
3. Then in the Configuration of BZmultifilesUpload Control pop-up window will open.

> 1. In the Configuration of BZmultifilesUpload control pop-up window.
> Set SmartObject
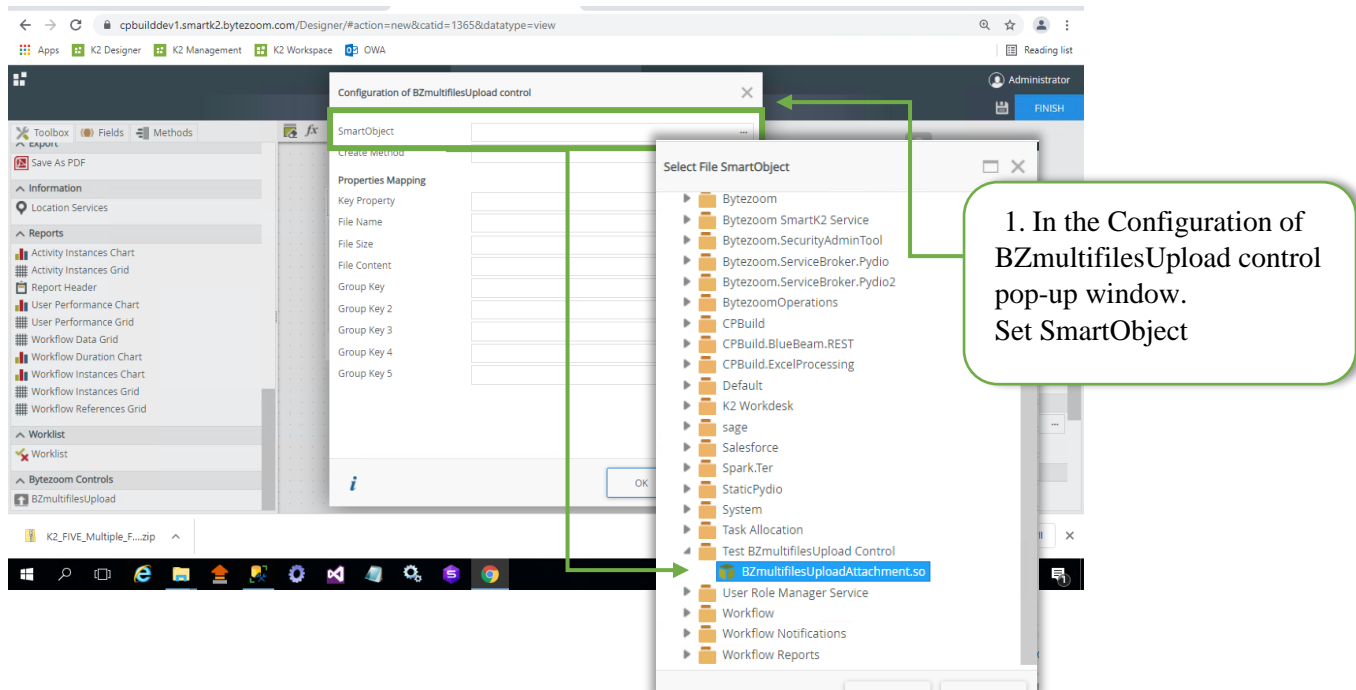
Then fill in all the other fields from the drop-down list.
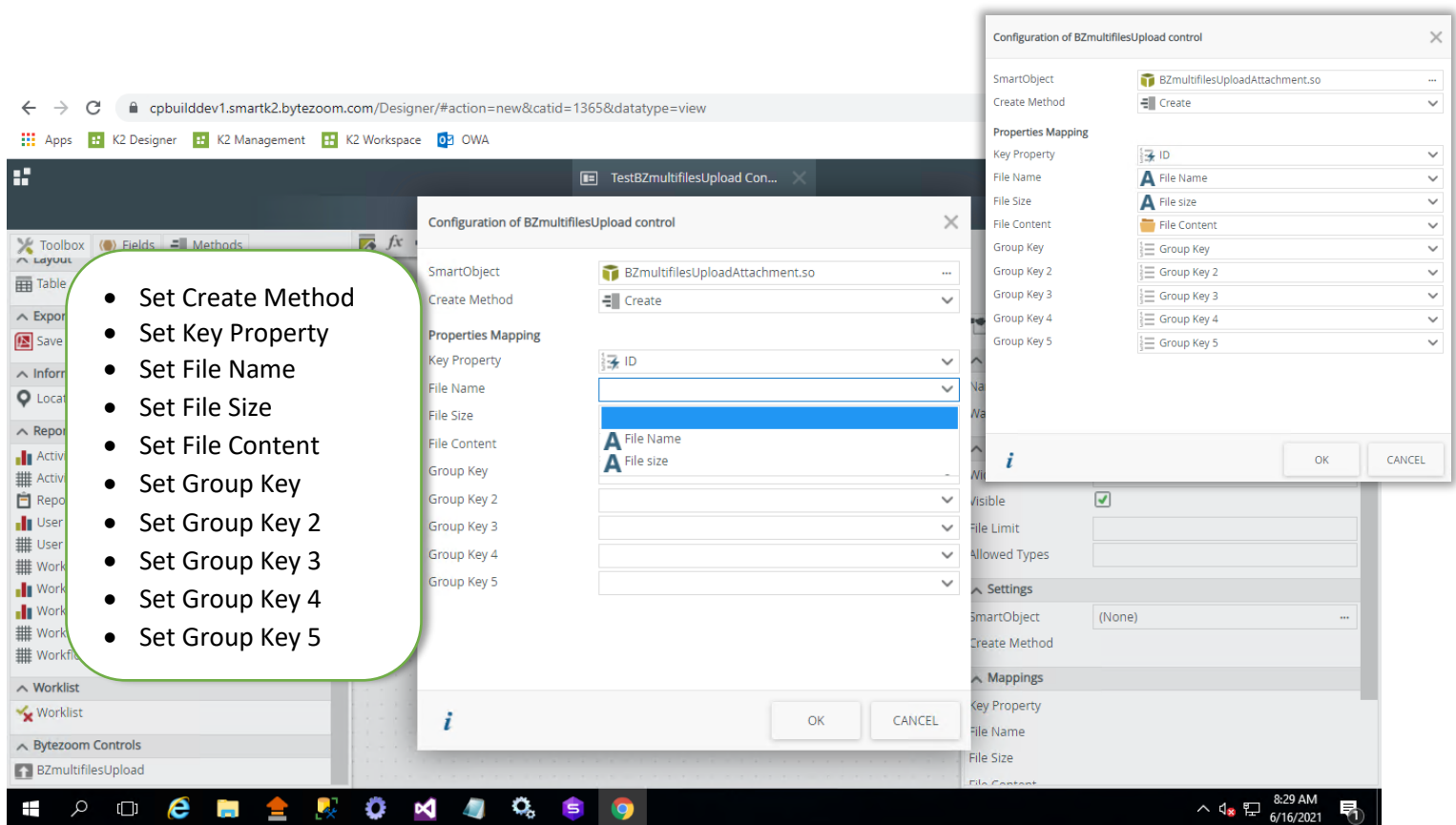
The values of these fields will be displayed in Properties / Mapping.

Mappings:

➢ Shows the mapping of the parameters of the current control to the fields of the SMO.

Mappings	
Key Property	ID
File Name	FileName
File Size	FileSize
File Content	FileContent
Group Key	RequestId
Group Key 2	Type
Group Key 3	CreatedBy
Group Key 4	CreateDate
Group Key 5	UpdatedBy

Example of filling.

Also, when you Click on the *i* button, a page with the information Managing of Multiple Files Upload Control. You can run this video to see what the user experiences.
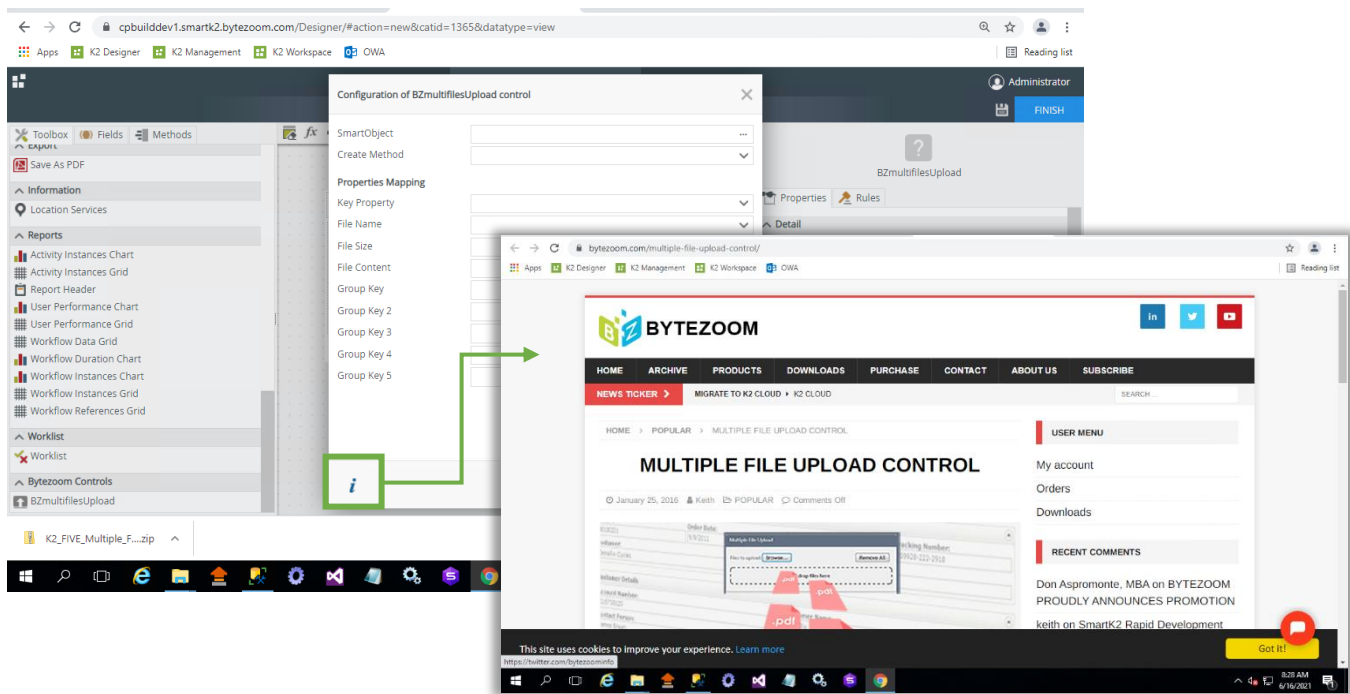
Licensing:

➢ This window shows the version of the product, the presence of licenses and other characteristics.
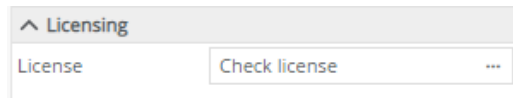
Example of filling. Click to quickly jump to the description License

Add Rules for Uploaded Files to a SmartObject

Below is an example of rules for connecting Multiple File Upload Control.

When bSave is Clicked

   then complete the following one after another

      then execute BZmultifilesUpload control's Upload method (configure)

      then on SP.BdsUpdateAttachments.SmO SmartObject, execute its Execute method (configure)

      then close a subview or subform

- The control's Change Event (not shown) can be used to eliminate clicking a button to save the files.

- The control's Upload method has a group key parameter (see below) that allows grouping uploaded files by a common property.

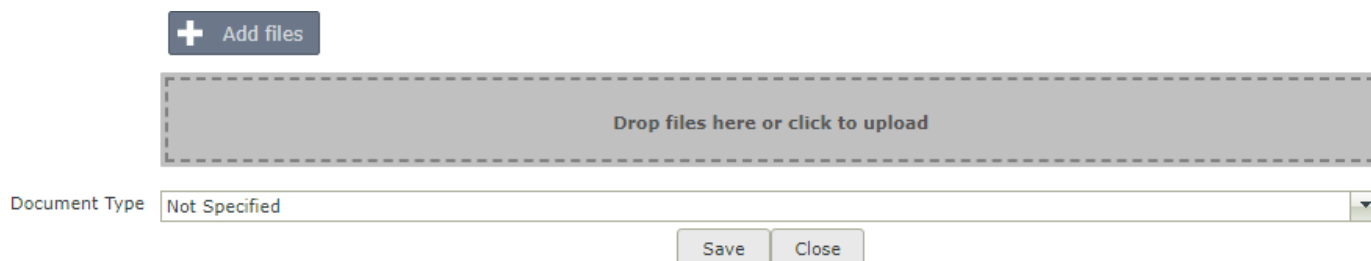Execution Result can be used for success message if desired.
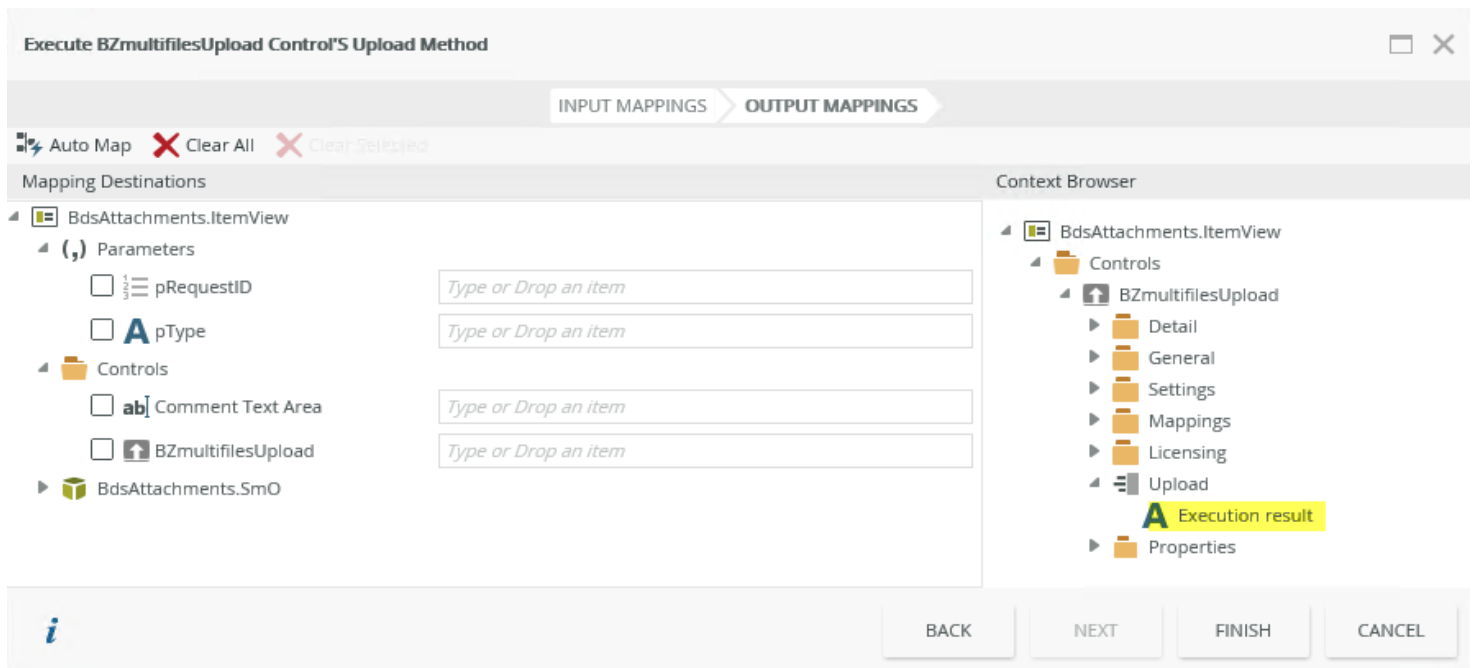
That's all there is to it.

The Example Form

In this section, you will be able to get acquainted with an example of the Multiple File Upload Control.

1. **Adding files to the list**. On the start page, we see two main buttons with which you can add files for upload.


There are three options for adding files to the upload list:

1. By clicking the **"Add files"** button and select the necessary files to download from the pop-up window, then click button Open;

2. Clicking the button **"Drop files here or click to upload"** and select the necessary files to upload from the pop-up window, then click button Open;

3. By dragging the necessary files to the button **"Drop files here or click to upload"**, after which they are displayed in the list for uploading.
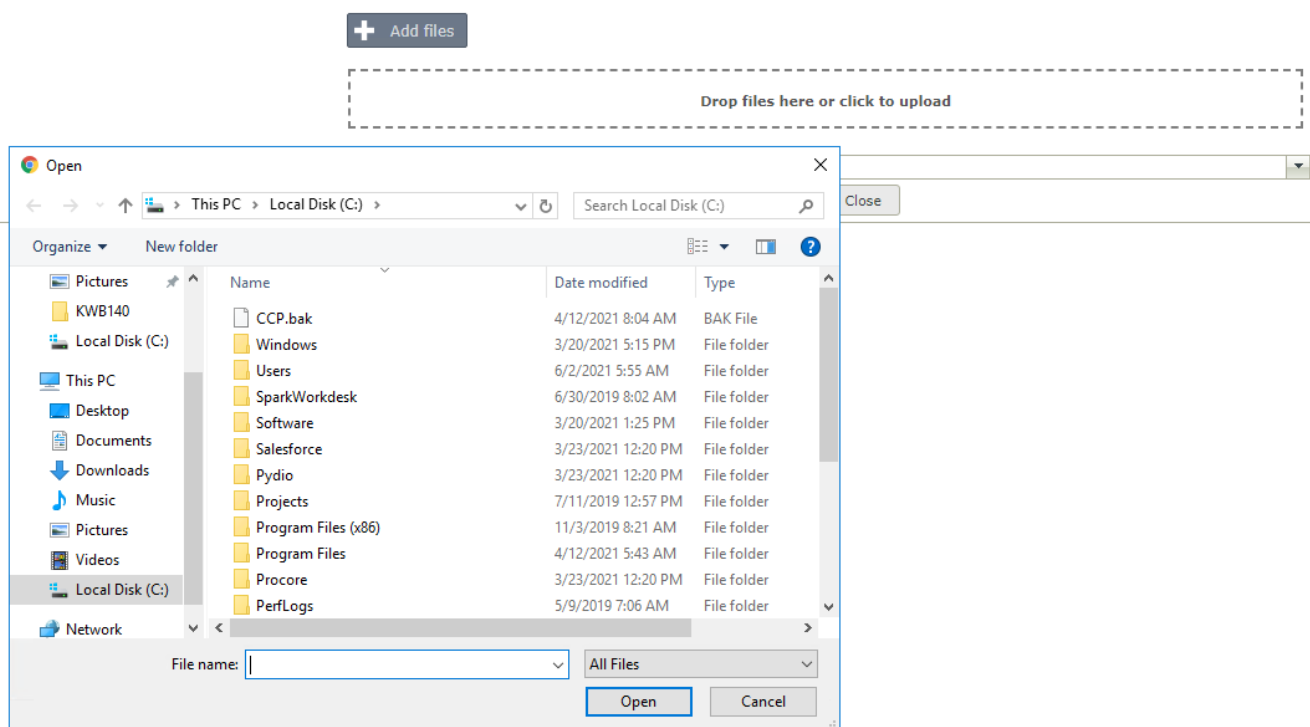
2. **Removing files from the list**. The meaning of the buttons:
   - ➢ **Select Files for Delete** - after selecting files to upload, a button appears offering to select files that can be removed from the preliminary upload list.
   - ➢ **Delete Selected Files** - click this button, after setting the checkboxes in the checkbox opposite the files that need to be deleted from the preliminary upload list.
   - ➢ **Delete All Files** - to delete all files from the preliminary list of file uploads, select the first checkbox in the checkbox column, and all files will be marked for deletion, then click this button.
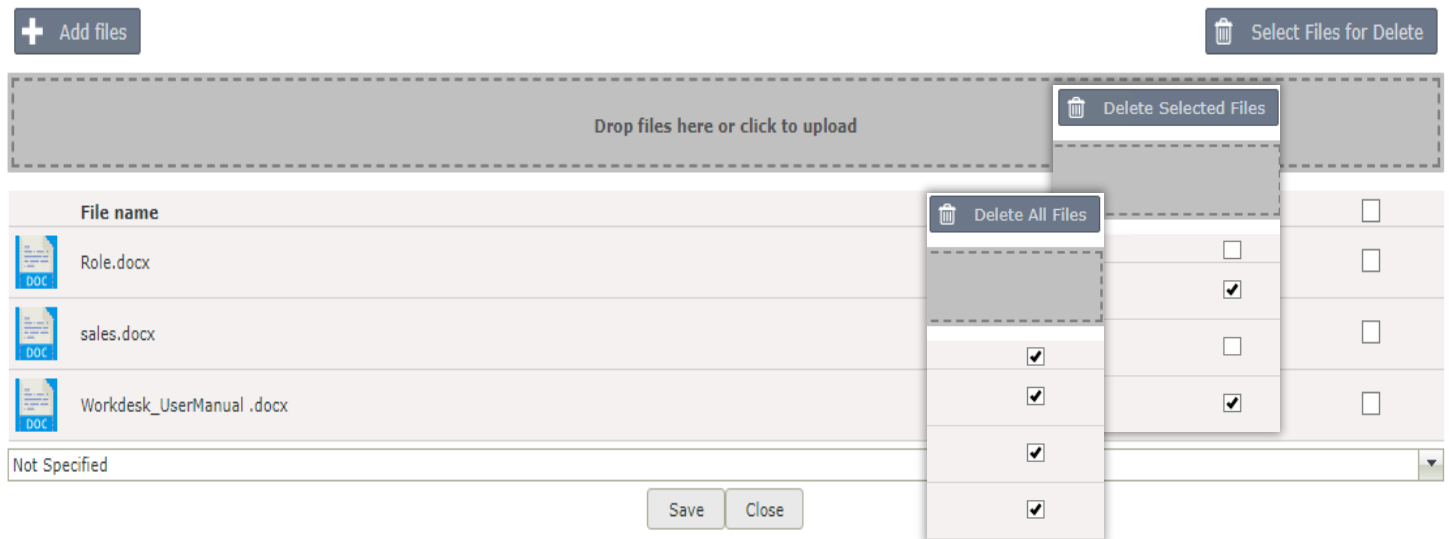
3. **Examples of warning messages**:
   - ✓ If you Add a file to the upload with an extension other than the one set in the list in Allowed Types, you will see a similar message.
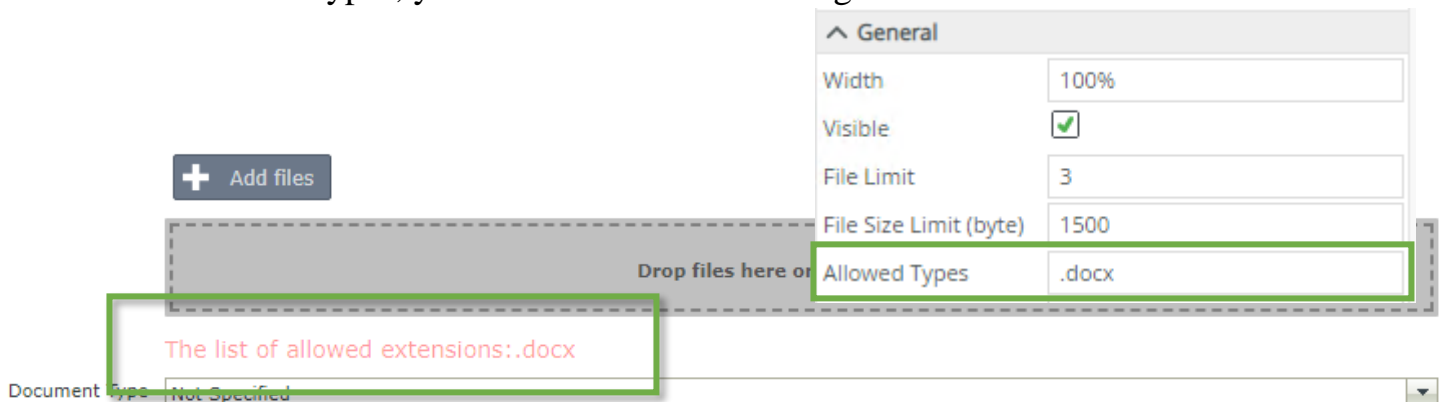
   - ✓ If the limit of the allowed number of files for uploading is exceeded, a warning message will be displayed.

Allowed number of files is limited. 3 files allowed to upload.

File name	Size	
Role.docx	1.91 MB	☐
sales.docx	288.35 KB	☐
User Guide(DRAFT).docx	17.44 MB	☐

✓ If the upload file size limit is exceeded, a warning message will be displayed.

The file exceeds the maximum size of 1.46 KB

Document Type | Not Specified

Save   Close

BZmultifileUpload Control Trial includes a free 30-day trial license. To continue using BZmultifilesUpload beyond the initial 30 days, you need to purchase a permanent license. You can purchase a permanent license at:

https://www.bytezoom.com/product/bz-multiple-file-upload-control/

After purchasing a license

4. Receive a MultiFilesUpload.bzlic license file by email.

5. Copy MultiFilesUpload.bzlic file to K2 SmartForms Designer Bin folder, K2 SmartForms Runtime Bin folder and Reset IIS.

   MultiFilesUpload.bzlic

      To:

      C:\Program Files (x86)\K2\K2 SmartForms Designer\bin
      C:\Program Files (x86)\K2\K2 SmartForms Runtime\bin
          Or

C:\Program Files (x86)\K2 blackpearl\K2 SmartForms Designer\bin
C:\Program Files (x86)\K2 blackpearl\K2 SmartForms Runtime\bin

Please note that if you are using Product version 1.0.2.13 and below, you need to update it to level version 1.0.2.15. To do this, write an email to info@bytezoom.com

Contact details

Bytezoom LLC

3307 Evergreen Way, #707 PMB 139

Washougal, WA 98671

Telephone: +1-866-888-9556

Fax: 866-868-5550

Email: Info@bytezoom.com