



Multiple File Upload Control

USER GUIDE

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June 17, 2021



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_File_Upload_Control.zip

Bytezoom

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DOWNLOADS

These products operate as trial software for 30 days after installation. A software license can be purchased allowing perpetual use.

By downloading this software, you agree to the terms and conditions of the Bytezoom EULA published on this site or contained in the download file.

DEVELOPER TOOLS

SmartK2 SmartForm

USER MENU

My account
Orders
Downloads
Logout

RECENT C

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PROUDLY A
keith on Sm

SmartK2 Multi-File Upload Control
Drag and Drop Smartform Control

Click to download free trial
Click for product details

SmartK2 RunJS Control
Execute JavaScript from a Rule

Click to download FREE control
Click for product details

SERVICE BROKERS

July 2020
March 2020
January 2020
January 2019
January 2016

K2_FIVE_Multiple_F...zip

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

File Home Share View Extract

< > > This PC > Local Disk (C:) > New folder >

Quick access

Desktop

Downloads

Documents

Pictures

Final Take Off

PackpanelUnVer

Videos

Local Disk (C:)

Network

Name

Date modified

Type

Size

K2_FIVE_Multiple_File_Upload_Control.zip

6/16/2021 1:44 AM

Compressed (zipped) Folder (.zip)

840 KB

Open

Open in new window

Extract All...

7-Zip

CRC SHA

Pin to Start

Edit with Notepad++

Scan with Windows Defender...

Open with...

Restore previous versions

Send to

Cut

Copy

Create shortcut

Delete

Rename

Properties

1 item 1 item selected 839 KB

K2_FIVE_Multiple_File_Upload_Control.zip Properties

General Security Details Previous Versions

K2_FIVE_Multiple_File_Upload_Control.zip

Type of file: Compressed (zipped) Folder (.zip)

Opens with: Windows Explorer Change...

Location: C:\New folder

Size: 839 KB (860,120 bytes)

Size on disk: 840 KB (860,160 bytes)

Created: Yesterday, June 16, 2021, 1:44:12 AM

Modified: Yesterday, June 16, 2021, 1:44:13 AM

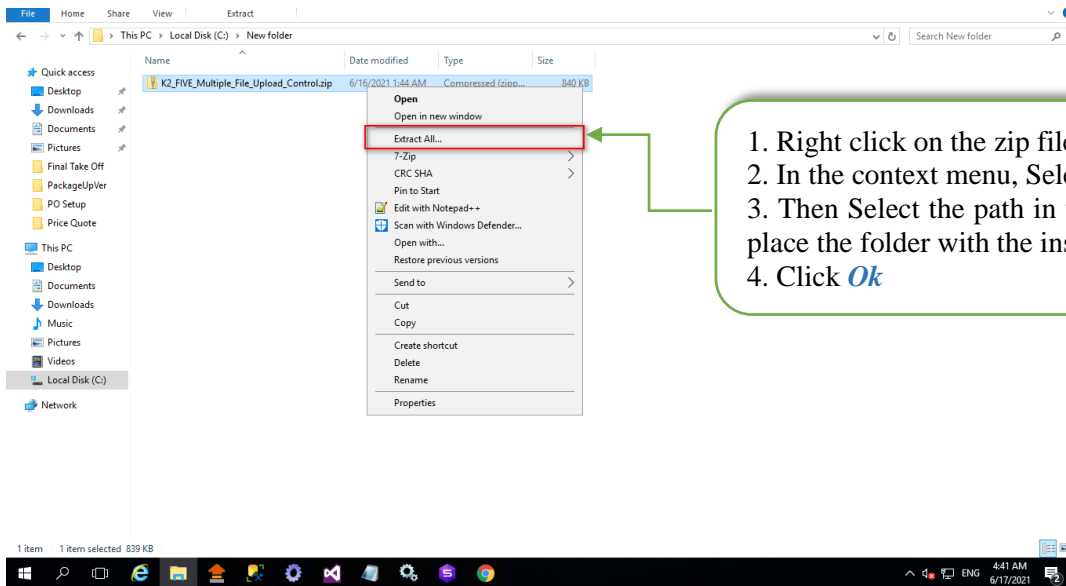
Accessed: Yesterday, June 16, 2021, 1:44:12 AM

Attributes: ☐ Read-only ☐ Hidden ☒ Unblock

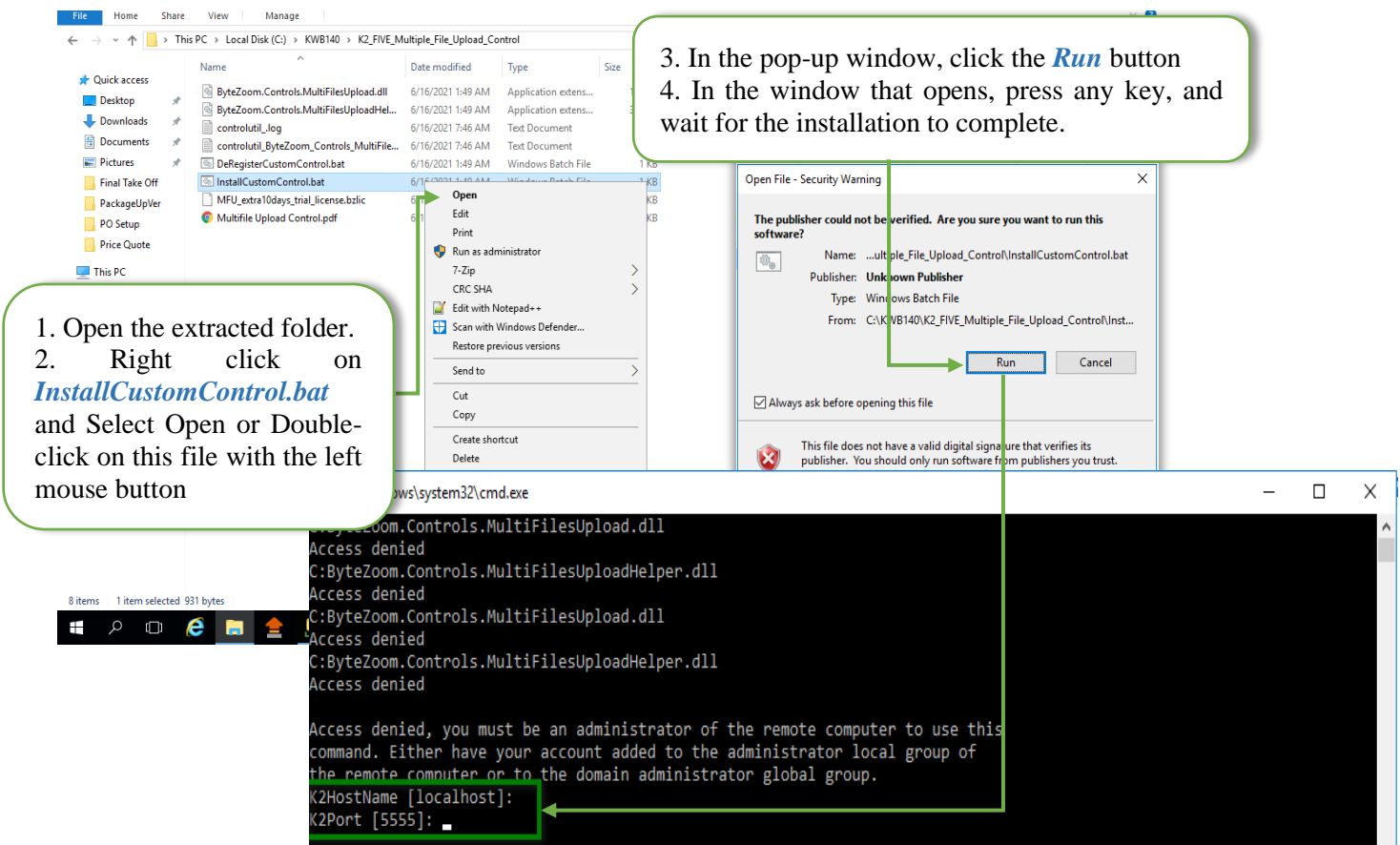
Security: This file came from another computer and might be blocked to help protect this computer.

OK Cancel Apply

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.*



4. Then go to the unzipped folder and proceed with the installation phase.



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

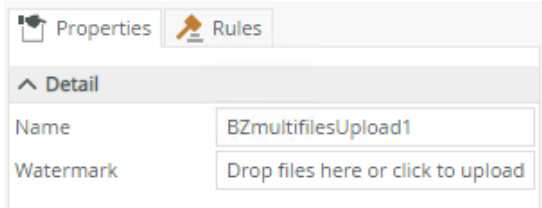
1. Open your View where you plan to use *BZmultifilesUpload Control*.

1. In the Toolbox find *BZmultifilesUpload Controls*.
2. Drag it to the Canvas panel.

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



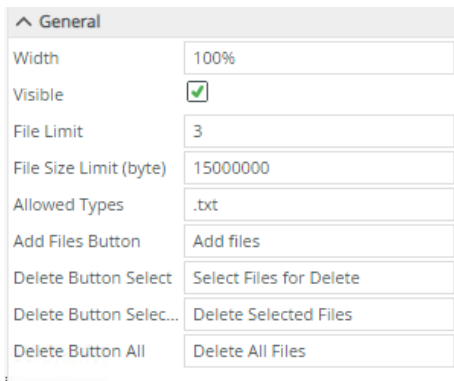
Properties	
Rules	
Detail	
Name	BZmultifilesUpload1
Watermark	Drop files here or click to upload

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.

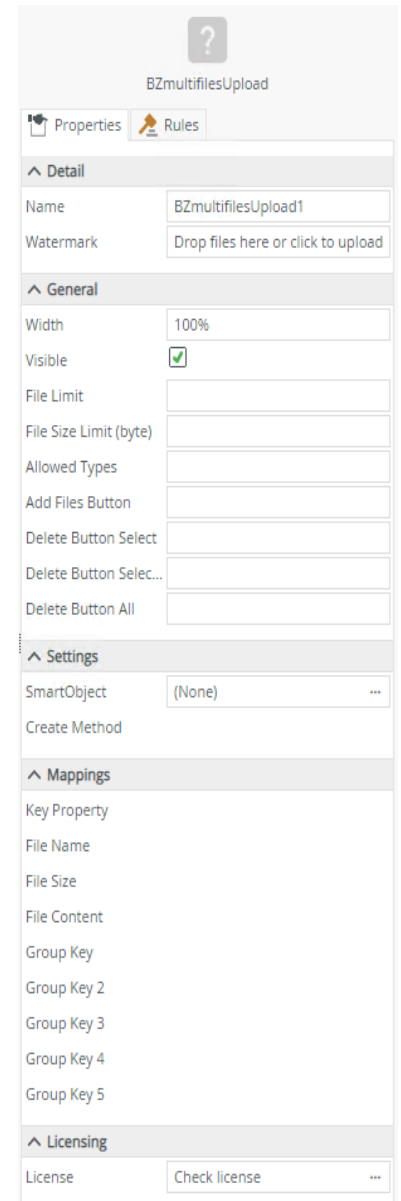
** Note: The limit in our environment is 16MB by default, and the standard K2 file attachment control limits files that exceed this limit. To increase the upload file size limit, you need to change the IIS configuration for the K2 Runtime.*

- 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



General	
Width	100%
Visible	<input checked="" type="checkbox"/>
File Limit	3
File Size Limit (byte)	15000000
Allowed Types	.txt
Add Files Button	Add files
Delete Button Select	Select Files for Delete
Delete Button Selected	Delete Selected Files
Delete Button All	Delete All Files

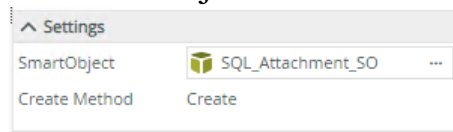
Example of filling



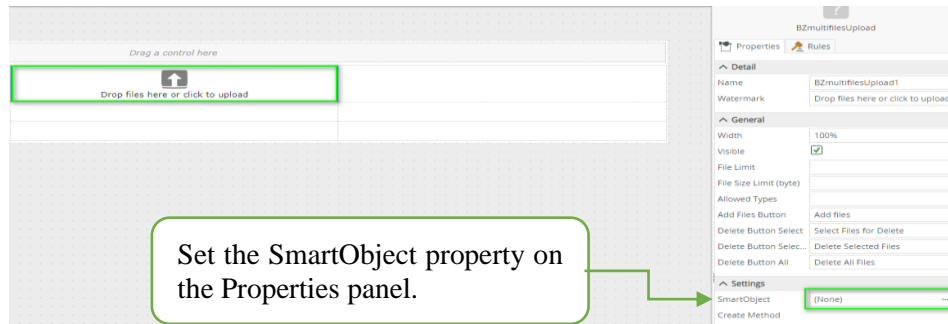
BZmultifilesUpload	
Properties	
Rules	
Detail	
Name	BZmultifilesUpload1
Watermark	Drop files here or click to upload
General	
Width	100%
Visible	<input checked="" type="checkbox"/>
File Limit	3
File Size Limit (byte)	15000000
Allowed Types	.txt
Add Files Button	Add files
Delete Button Select	Select Files for Delete
Delete Button Selected	Delete Selected Files
Delete Button All	Delete All Files
Settings	
SmartObject	(None) ...
Create Method	
Mappings	
Key Property	
File Name	
File Size	
File Content	
Group Key	
Group Key 2	
Group Key 3	
Group Key 4	
Group Key 5	
Licensing	
License	Check license ...

Settings:

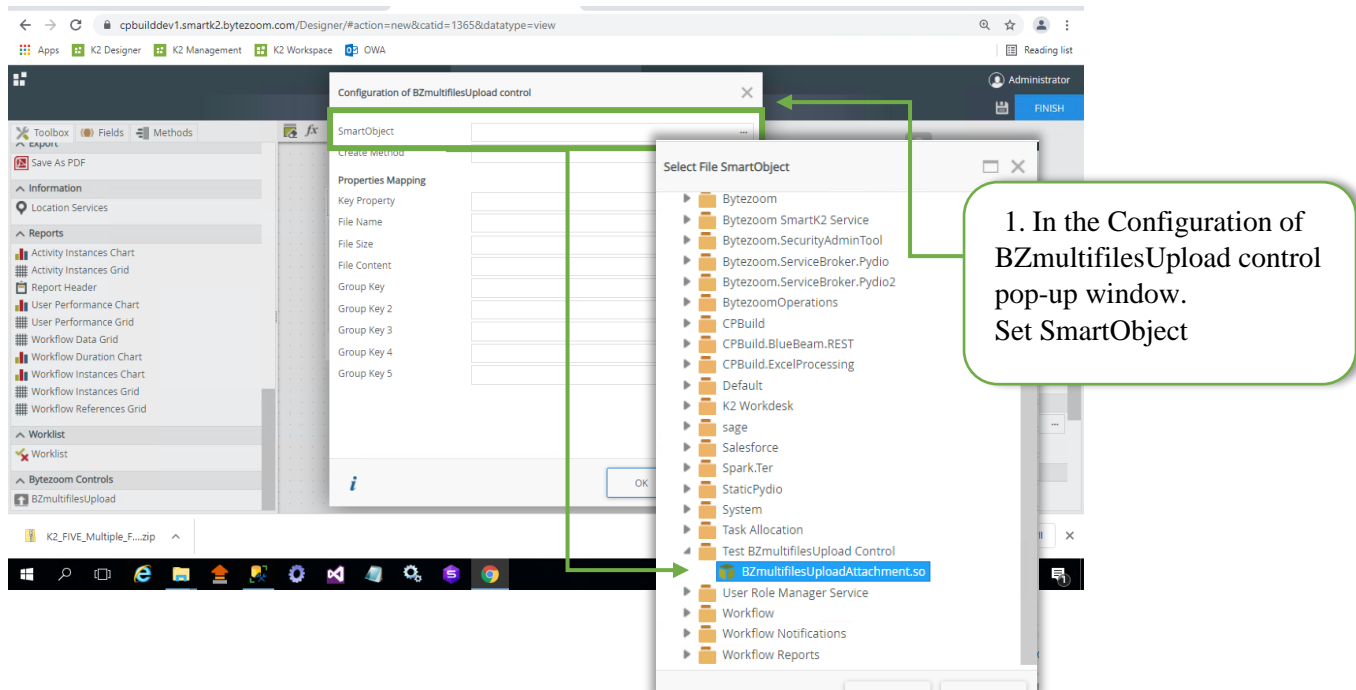
➤ SmartObject



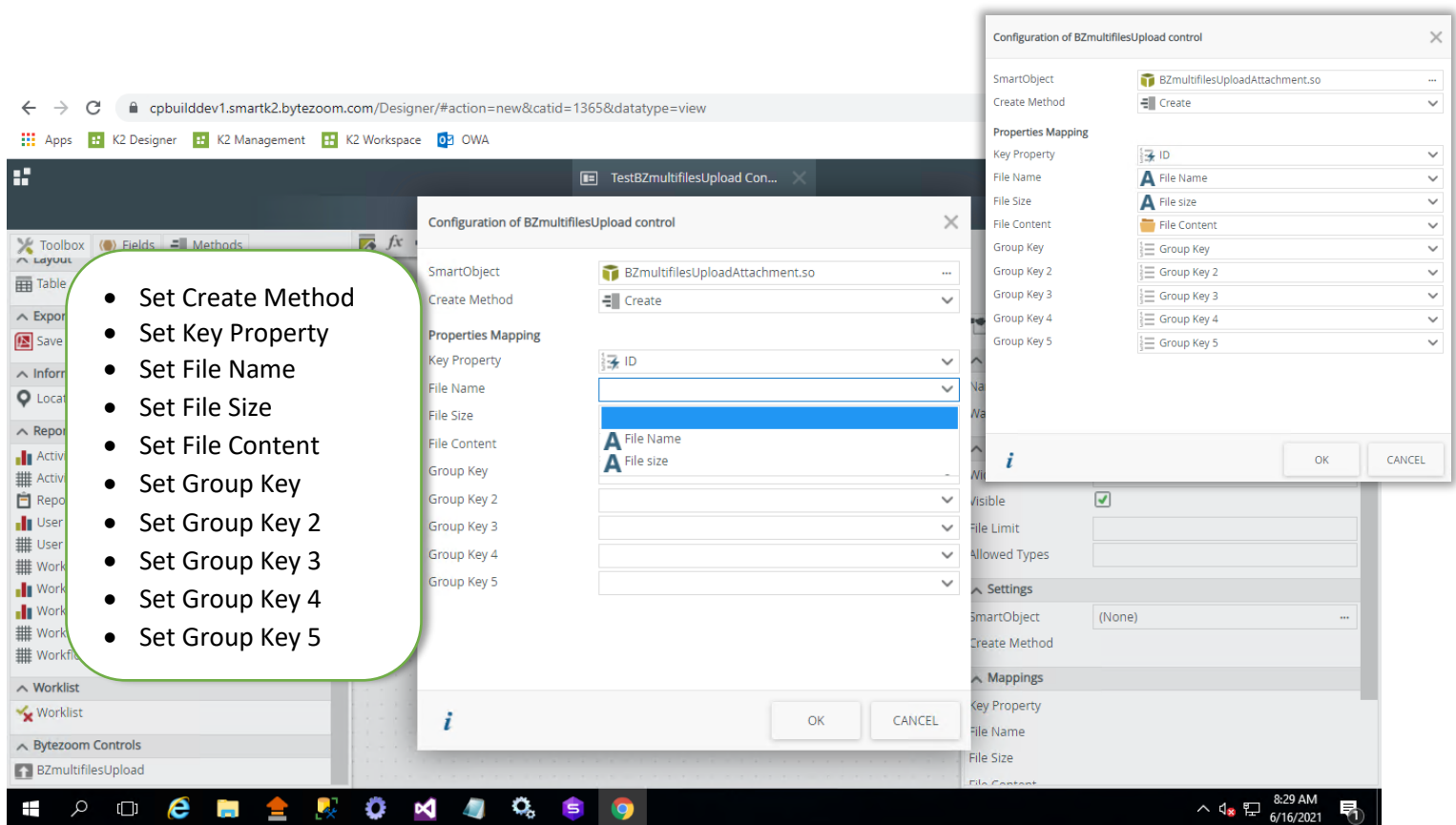
Example of filling.



3. Then in the Configuration of BZmultifilesUpload Control pop-up window will open.



Then fill in all the other fields from the drop-down list.



The values of these fields will be displayed in Properties / Mapping.

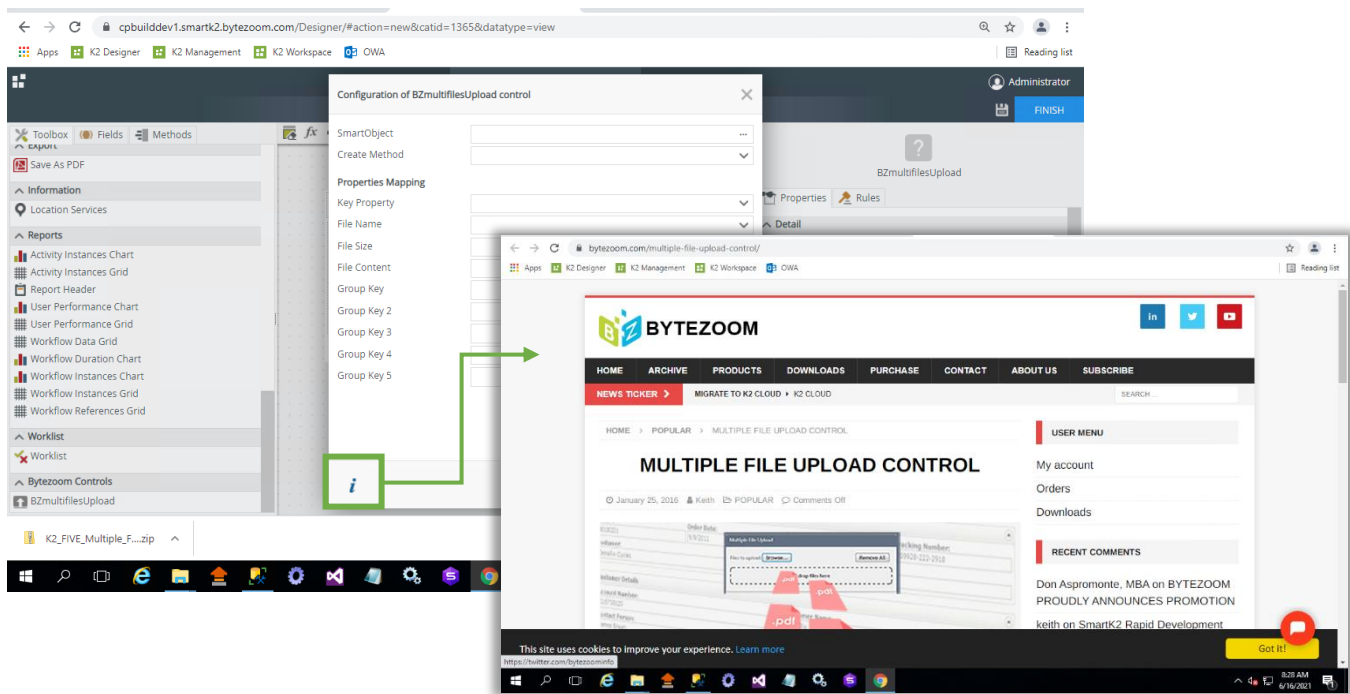
Mappings:

➤ 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

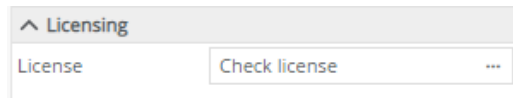
Example of filling.

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.

Execute BZmultifilesUpload Control'S Upload Method

Clear All Clear Selected

Mapping Destinations

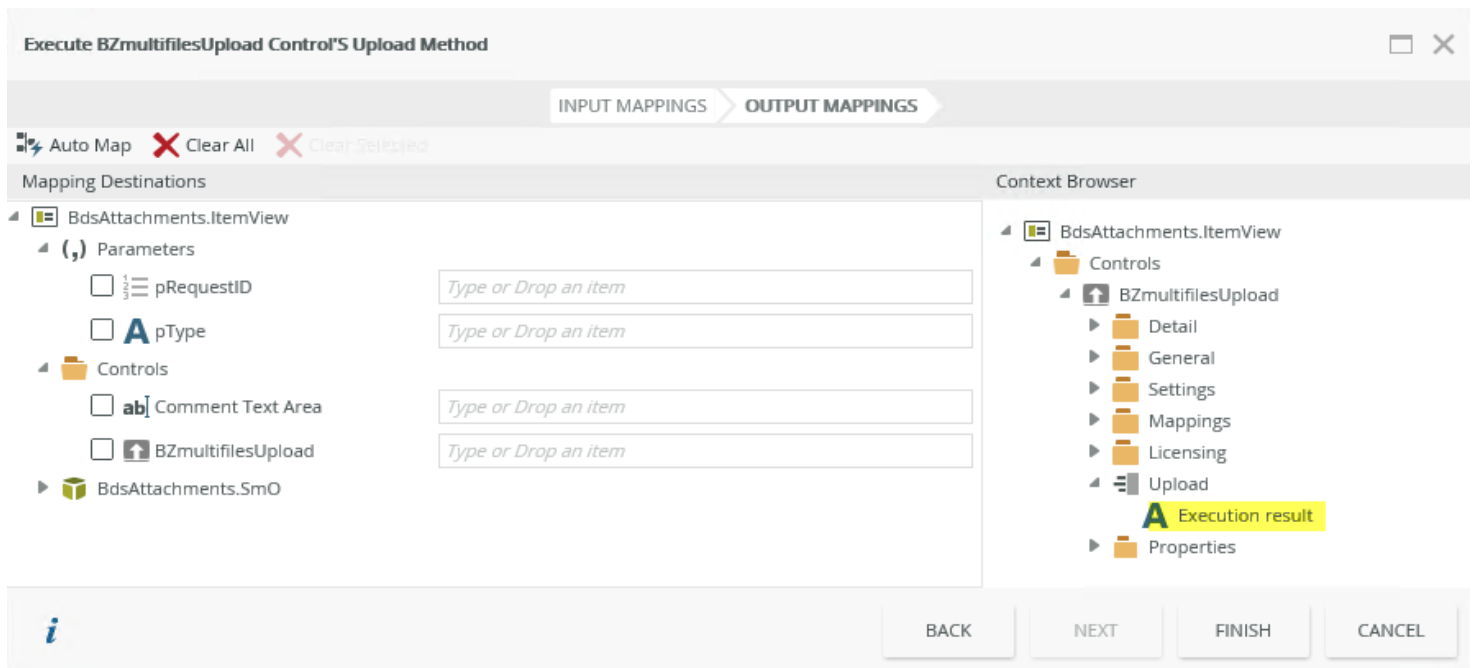
- Example6 Attachment.Itemview
 - Controls
 - BZmultifilesUpload
 - Upload
 - Parameters
 - Group Key 1: dlRequestId
 - Group Key 2: ddDocumentType
 - Group Key 3: FQN
 - Group Key 4: Current Date and Time
 - Group Key 5: FQN
 - Properties
 - Detail
 - Name: Type or drag a value
 - Watermark: Type or drag a value
 - General
 - Width: Type or drag a value
 - Visible: Yes No
 - File Limit: Type or drag a value

Context Browser

- System Values
 - Current Date
 - Current Date and Time
 - Current Date
 - Current Time
- Current User
 - FQN
 - Display Name
 - Name
 - Description
 - Email
 - Manager
- Client
- Error
- Workflow View
- Mode
- Environment Fields
 - Example6 Attachment.Itemview
 - Controls
 - BZmultifilesUpload

BACK NEXT FINISH CANCEL

Execution Result can be used for success message if desired.

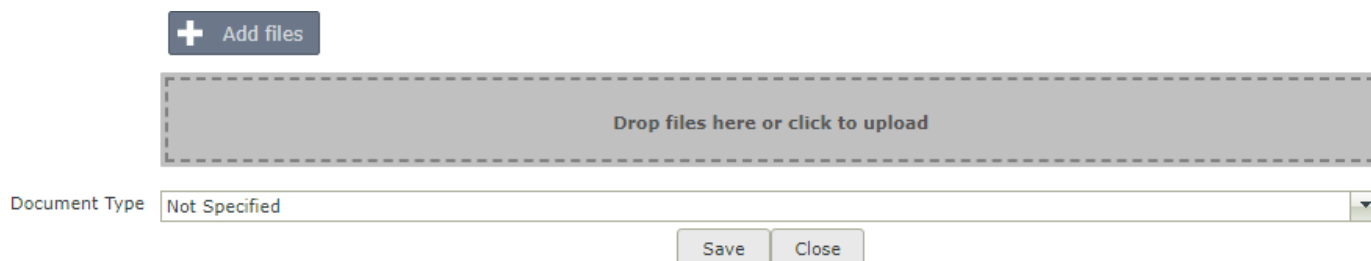


That's all there is to it.

The Example Form

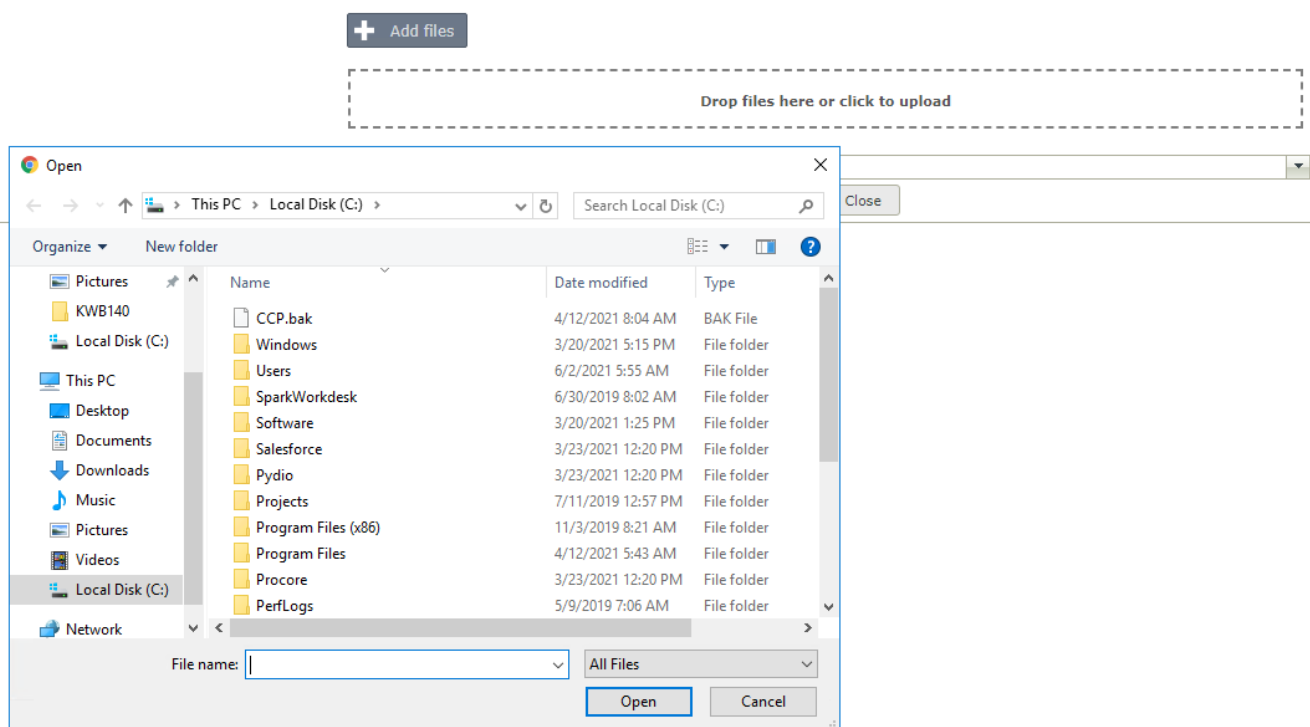
In this section, you will be able to get acquainted with an example of the Multiple File Upload Control.

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



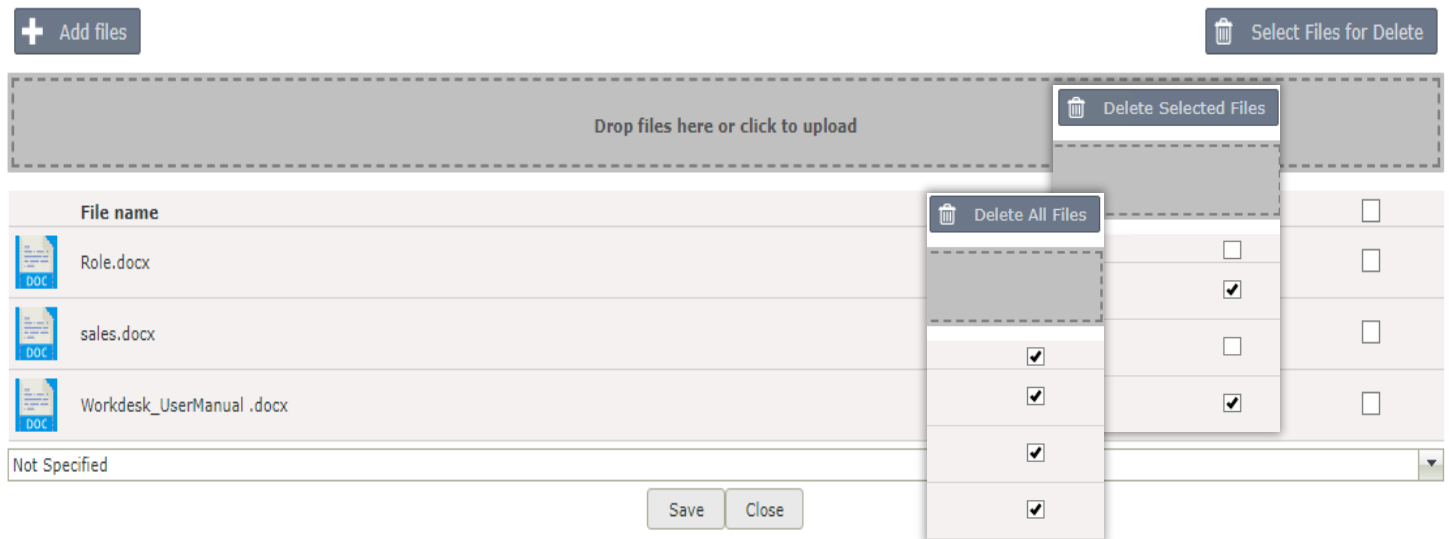
There are three options for adding files to the upload list:

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.



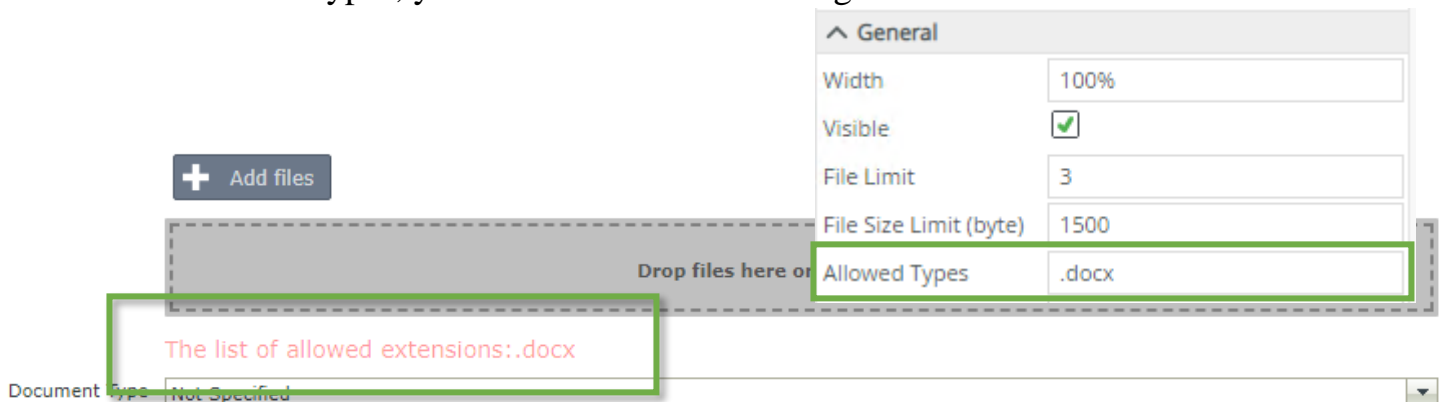
2. Removing files from the list. The meaning of the buttons:

- **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.

+

Add files

Drop files here

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

File name	Size	
 Role.docx	1.91 MB	<input type="checkbox"/>
 sales.docx	288.35 KB	<input type="checkbox"/>
 User Guide(DRAFT).docx	17.44 MB	<input type="checkbox"/>

^ General

Width100%

Visible☒

File Limit3

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

+

Add files

Drop files here or click to upload

The file exceeds the maximum size of 1.46 KB

^ General

Width100%

Visible☒

File Limit3


File Size Limit (byte)1500

Document Type

Not Specified

Save

Close



User Guide – Multiple File Upload Control

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Licensing BZmultifilesUpload ControlRoles

BZmultifilesUpload 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

The screenshot shows the K2 Designer interface with the BZmultifilesUpload control added to the canvas. A green box highlights the control, and a green arrow points to the 'Drop files here or click to upload' button. A green box also highlights the 'BZmultifilesUpload' control in the 'Bytezoom Controls' section of the left-hand toolbox. A green box highlights the 'Licensing' tab in the right-hand properties panel. A green box highlights the 'Machine Name' and 'Hardware ID' fields in the 'Licensing of BZmultifilesUpload control' dialog box. A green box highlights the 'Send the Machine Name and Hardware ID by email to info@bytezoom.com' instruction in the dialog box.

1. Open a view with an added BZmultifilesUpload control in K2 Designer.

2. Click the BZmultifilesUpload control on the Canvas panel. Check the License in the properties.

3. Send the Machine Name and Hardware ID by email to info@bytezoom.com

Licensing of BZmultifilesUpload control

Vendor	https://www.bytezoom.com
Product Name	Bytezoom.Controls.MultiFilesUpload
Product Version	1.0.2.15
Machine Name	CPBUILDDEV1
Hardware ID	92A4-CD2D-45E0-D998-BE70-94FC
License Status	Licensed
[AssemblyVersion]	1.0.2.*
Company	Bytezoom
Licensed Hardware ID	92A4-CD2D-45E0-D998-BE70-94FC
Start Date	02/14/2020
Subscription	MFU+SmartK2
Subscription ID	44355cdb-ac1e003c-170601f0-a3f0f37d

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

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