

[requirement] Retrieve file name & retrieve total file size

Retrieve File Name

- This calculation option is used to retrieve all the file names from the file uploader
- It should only be configured in Input box and Label Widget. Other widgets (eg. User Group, Datetime) should not be configured
- For other widgets: it should hide the Calculation mode interface ie. Calculation mode dropdown, Retrieval Style will be hidden
- In Input Box and Label Widget Setting:

Input Box and Label Widget Setting

Calculation Mode Retrieve File Name ▼

File Uploader Widget File Uploader 1 ▼

File Retrieval Style

ID.PNGAddress.pdfvideo.mp4

ID.PNG, Address.pdf, video.mp4

ID.PNG
Address.pdf
video.mp4

ID.PNG,
Address.pdf,
video.mp4

- Under the Calculation tab: Create a Dropdown named **Calculation Mode**
- 1st option: **Retrieve File Name**
- 2nd option: **Retrieve Total File Size**
- Under the Calculation Mode Dropdown, add a **Widget Picker** to allow user to select the File Uploader widget

- Only File Uploader widget can be selected in the Widget Picker
- Under the Calculation Mode - Retrieve File Name, provide **4 types of file retrieval styles**:
- **Style 1: Single Line without spacing**: show all the file names in the file uploader in one **single line**, the file name should include the file extension eg. File1.txt
- **Style 2: Single Line with spacing**: show all the file names in the file uploader in one **single line**, the file name should include the file extension eg. File1.txt and within each file, it should use a comma with one spacing [,] to separate each file eg. File1.txt, File2.txt, File3.txt
- **Style 3: New Line without spacing**: show each of the file names in the file uploader in one **new line**, the file name should include the file extension
eg.
File1.txt
File2.txt
- **Style 4: New Line with spacing**: show each of the file names in the file uploader in one **new line**, the file name should include the file extension, and within each file, it should use a comma with one spacing [,] to separate each file
eg.
File1.txt,
File2.txt,
File 3.txt
- Default style: Style 1
- Show below examples straightly in the interface

	Example
Style 1	ID.PNGAddress.pdfvideo.mp4
Style 2	ID.PNG, Address.pdf, video.mp4
Style 3	ID.PNG Address.pdf video.mp4

Style 4	ID.PNG, Address.pdf, video.mp4
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- The file name retrieval mode should support all the unicode, ASCII code [eg. 你好], symbol [eg. ♡] and emoji[eg. 😂]

Input Box Data Type Handling:

Data Type	Handling	Run Time Expected Result
String	Show File name with extension	File1.txt
Integer	Show empty String	
Float	Show Empty Sting	
Percent	Show Empty String	

For Input Box data type switching Handling after a form has been saved or submitted

Original Data Type	Updated Data Type	Design Time Expected UI	Run Time Expected Result
String	To non-string	Can submit configuration setting successfully, but display a warning message under Retrieval style: Data type will change from [Original Data Type] to [Updated Data Type]	
Non-string	String	Can submit configuration setting successfully, but display a warning message under Retrieval style: Data type will change from [Original Data Type] to [Updated Data Type]	File1.txt

Label Data Type Handling:

Data Type	Handling	Run Time Expected Result
String	Show File name with extension	File1.txt
Number	Show empty String	

For Label data type switching Handling after a form has been saved or submitted

Original Data Type	Updated Data Type	Design Time Expected UI	Run Time Expected Result
String	Number	Can submit configuration setting successfully, but display a warning message under Retrieval style: Data type will change from [Original Data Type] to [Updated Data Type]	
Number	String	Can submit configuration setting successfully, but display a warning message under Retrieval style: Data type will change from [Original Data Type] to [Updated Data Type]	File1.txt

Input Box Single Line and Multiple Line Handling:

Input Box Widget Setting Selection	Calculation Mode Retrieval Style	Handling	Runtime Expected Result
Single Line	Style 1: Single Line without spacing	Retrieve single line	ID.PNGAddress.pdfvideo.mp4
Single Line	Style 2: Single Line with spacing	Retrieve single line	ID.PNG, Address.pdf, video.mp4
Single Line	Style 3: New Line without spacing	Could not submit the setting, show Error message: Widget Setting collide with Calculation Mode Retrieval Style	(Empty String)

Single Line	Style 4: New Line with spacing	Could not submit the setting, show Error message: Widget Setting collide with Calculation Mode Retrieval Style	(Empty String)
Multiple Line	Style 1: Single Line without spacing	Retrieve single line	ID.PNGAddress.pdfvideo.mp4
Multiple Line	Style 2: Single Line with spacing	Retrieve single line	ID.PNG, Address.pdf, video.mp4
Multiple Line	Style 3: New Line without spacing	Retrieve new line	ID.PNG Address.pdf video.mp4
Multiple Line	Style 4: New Line with spacing	Retrieve new line	ID.PNG, Address.pdf, video.mp4

Input Box and Label Widget Setting

Calculation Mode Retrieve File Name

File Uploader Widget File Uploader 1

File Retrieval Style

ID.PNGAddress.pdfvideo.mp4

ID.PNG, Address.pdf, video.mp4

ID.PNG
Address.pdf
video.mp4

ID.PNG,
Address.pdf,
video.mp4

⚠ Widget Setting collide with Calculation Mode Retrieval Style

Retrieve File size

- This calculation option is used to retrieve the **total file size** from the file uploader
- It should only be configured in Input box and Label Widget. Other widgets (eg. User Group, Datetime) should not be configured
- For other widgets: it should hide the Calculation mode interface ie. Calculation mode dropdown, will be hidden
- In Input Box and Label Widget Setting:
 - Under the Calculation tab: Create a Dropdown named Calculation Mode
 - 2nd options: Retrieve Total File Size
 - Under the Calculation Mode Dropdown, add a Widget Picker to allow user to select the File Uploader widget
- The total file size should be calculated and converted into MB

Input Box and Label Widget Setting

Calculation Mode

Retrieve Total File Size



File Uploader Widget

File Uploader 1



Input Box configuration :

Example:

ID.PNG	1.5MB
Address_Proof.pdf	3.4MB
video.mp4	1GB
Total	1028.9 MB

Data Type	Handling	Run Time Expected Result
String	Show total file size with file unit	1028.9 MB
Integer	Round up to 1, do not show file unit	1029
Float	Round up to 2 d.p. do not show file unit	1028.90

Percent	Round up to 1, Add % afterward do not show file unit	1029%
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For Input Box data type switching Handling after a form has been saved or submitted

Original Data Type	Updated Data type	Design Time Expected UI	Run Time Expected Result
String	To non-string	<p>Can submit configuration setting successfully, but display a warning message under Widget Picker:</p> <p>Data type will change from [Original Data Type] to [Updated Data type]</p> <p>Follow the latest data type settings</p>	<p>Integer:1029 Float: 1028.90 Percent: 1029%</p>
Non-string	String	<p>Can submit configuration setting successfully, but display a warning message under Widget Picker:</p> <p>Data type will change from [Original Data Type] to [Updated Data type]</p> <p>Follow the latest data type settings</p>	<p>String: 1028.9 MB Integer: 1029 Float: 1028.90 Percent: 1029%</p>

Label configuration :

Example:

ID.PNG	1.5MB
Address_Proof.pdf	3.4MB
video.mp4	1GB
Total	1028.9 MB

Data Type	Handling	Run Time Expected Result
String	Show total file size with file unit	1028.9 MB
Number	Round up to 2 d.p. do not show file unit	1028.90

For Label data type Switching Handling after a form has been saved or submitted

Original Data Type	Updated Data type	Design Time Expected UI	Run Time Expected Result
String	Number	<p>Can submit configuration setting successfully, but display a warning message under Widget Picker:</p> <p>Data type will change from [Original Data Type] to [Updated Data type]</p> <p>Follow the latest data type settings</p>	1028.90
Number	String	<p>Can submit configuration setting successfully, but display a warning message under Widget Picker:</p> <p>Data type will change from [Original Data Type] to [Updated Data type]</p> <p>Follow the latest data type settings</p>	1028.9 MB

Mode Switching:

Original Mode Type	Updated Mode Type	Design Time Expected UI
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Retrieve File Name	Retrieve Total File Size	<p>Can submit configuration setting successfully, but display a warning message under Widget Picker:</p> <p>Calculation mode will change from [Original Mode] to [New Mode]</p> <p>Follow the latest settings</p>
Retrieve Total File Size	Retrieve File Name	<p>Can submit configuration setting successfully, but display a warning message under Retrieval style:</p> <p>Calculation mode will change from [Original Mode] to [New Mode]</p> <p>Follow the latest settings</p>