

PDF Utilities Documentation – V 8.0.0

Overview

The PDF Utilities plugin allows us to add header, footer, watermark, split, add image and merge PDFs. It includes the following eleven (11) smart services as follows:

1. Add Header Footer
2. Add Image To PDF
3. Add Page Number In PDF
4. Add Page Number in PDF With Alignment
5. Add Watermark Text
6. Insert Image In PDF
7. Merge PDF
8. Rotate Page In PDF
9. Split PDF By Number
10. Split PDF By Range
11. Split PDF By Specific Page

Add Header And Footer

The Add Header And Footer Smart Service allows us to add header and/or footer to the source PDF Document.

Parameters

Inputs

Sl No	Parameter Name	Type	Description	Values
1	Source Document	Document [Required]	The source document where the header and/or footer must be added.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.

4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Offset- X	Integer [Required]	The horizontal offset for the PDF content.	Range – 0 to 200
6	Header Text	Text [Optional]	The text to be inserted as the header in the PDF.	Any valid string. Can be empty.
7	Footer Text	Text [Optional]	The text to be inserted as the footer in the PDF.	Any valid string. Can be empty.
8	Font Document	Document [Optional]	The font document to be used for the header and/or footer. Must be provided when the provided header and footer have characters that are not supported by the default fonts.	A valid Appian document of type TTF.
9	Font size	Integer [Required]	The size of the font for the added header and footer.	Range – 0 to 40 Default - 10
10	Font color	Text [Optional]	The color for the attached header and footer.	Any valid 6-digit hex code. Default - #000000

Outputs

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Note: The smart service will throw an error if the provided header and footer text has characters that are not supported by the fonts. In that case a True type font file supporting the character set must be provided as input to the Font Document parameter.

Insert Image In PDF

The Insert Image in PDF smart service allows us to insert images into PDF document.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document in which the image must be added.	Any valid Appian document. Must be a PDF
2	Image	Document [Required]	The image document that must be added to the source PDF document.	Any valid Appian document. Must be a valid image file.
3	New Document Name	Text [Required]	The name of the output document.	Must be a valid string. Cannot be empty.
4	New Document Desc	Text [Optional]	The description for the created document.	Any valid text.
5	Save In Folder	Folder [Required]	The folder where the generated document must be saved to.	Any valid Appian Folder. Cannot be empty or null.
6	Page Number	Integer [Required]	The page number where the image must be added in the PDF.	Must be a valid positive integer.
7	Width	Integer [Required]	The width of the inserted image.	Range: > 0
8	Height	Integer [Required]	The height of the inserted image.	Range: > 0
9	X-Coordinate	Integer [Required]	The horizontal coordinate in the page where the image must be inserted.	Can be any valid Integer
10	Y-Coordinate	Integer [Required]	The vertical coordinate in the page where the image must be inserted.	Can be any valid integer.

Outputs

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Add Watermark Text

The Add Watermark Text smart service allows us to add watermark text to the source PDF.

Note: The smart service will throw an error if the provided header and footer text has characters that are not supported by the fonts. In that case a True type font file supporting the character set must be provided as input to the Font Document parameter.

Note: If a font document is provided, the Font parameter value will be overridden with the Font Document's font.

Parameters

Inputs

Sl No	Parameter Name	Type	Description	Values
1	Source Document	Document [Required]	The source document where the header and/or footer must be added.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Offset- X	Integer [Required]	The horizontal offset for the PDF content.	Range – 0 to 200
6	Watermark Text	Text [Required]	The text to be inserted as the watermark in the PDF.	Any valid string. Can be empty.
7	Diagonal	Boolean [Required]	If provided True, the watermark will be drawn diagonally.	True or False. Default - True

8	Font Document	Document [Optional]	The font document to be used for the watermark text. Must be provided when the provided watermark text have characters that are not supported by the default fonts.	A valid Appian document of type TTF.
9	Font size	Integer [Required]	The size of the font for the added watermark text.	Range – 0 to 100 Default - 50
10	Color	Text [Optional]	The color for the attached watermark text.	Any valid 6-digit hex code. Default - #000000
11	Font	Text [Optional]	The font to be used for rendering the watermark text.	<ul style="list-style-type: none"> • TIMES_ROMAN • TIMES_BOLD • TIMES_ITALIC • TIMES_BOLD_ITALIC • HELVETICA • HELVETICA_BOLD • HELVETICA_OBLIQUE • HELVETICA_BOLD_OBLIQUE • COURIER • COURIER_BOLD • COURIER_OBLIQUE • COURIER_BOLD_OBLIQUE • SYMBOL • ZAPF_DINGBATS <p>Must be one of the above. Default – HELVETICA_BOLD</p>

12	Transparency	Decimal [Required]	The opacity of the watermark text.	Range: 0 to 1 Default: 0.5
13	Offset-Y	Integer [Optional]	The vertical offset of the watermark text.	Any valid integer. Must be provided if diagonal is false or not provided.

Outputs

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Rotate Page In PDF

This smart service allows us to rotate a specific page or all the pages in the source PDF document.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document where the header and/or footer must be added.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Rotation	Integer [Required]	The degree of rotation of the page.	Range: 0 to 360
6	Rotation Page Number	Text [Optional]	The page number of the page to be rotated.	Must be a valid page number.

7	Rotate All Page	Boolean [Required]	Enables rotation of all pages.	Default False
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Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Merge PDF

This smart service allows us to merge multiple PDF documents.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Create New Document	Boolean [Required]	Determines whether to create a new document.	True or False
2	New Document Name	Text [Optional]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Optional]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Existing Document	Document [Optional]	If Create New Document is False, then the New Document Name, New Document Desc, Save In Folder and the Existing document has to be specified. This will be overwritten with the merged PDF.	A valid Appian Document
6	Documents	Document – List	The list of PDF documents to be merged.	List of valid Appian

		[Required]		Document of type PDF.
7	Pause On Error	Boolean [Required]	Specifies whether to stop the merging on an error.	True or False Default: False

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Add Page Number In PDF

This smart service allows us to add page numbers in the source PDF.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document where the page number must be added.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Offset- X	Integer [Required]	The horizontal offset for the PDF content.	Range – 0 to 2000
6	Offset-Y	Integer [Optional]	The vertical offset of the watermark text.	Range – 0 to 2000
7	Page Format Text	Text [Required]	The page format text to be written in the PDF.	A valid format string.

8	Start Page	Integer [Required]	The page to start from.	Any valid integer. Default: 1
9	Start Page Number	Integer [Required]	The count to start from.	Any valid integer. Default: 1
10	Page Number Font Size	Integer [Required]	The font size of the page number.	Any valid positive integer. Default: 10

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Add Page Number In PDF With Alignment

This smart service allows us to add page numbers to the source PDF with provisions to modify the generated page numbers' alignment.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Create New Document	Boolean [Required]	Determines whether to create a new document.	True or False
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Existing Document	Document [Optional]	If provided the provided document will be	A valid Appian Document

			overwritten. This will be overwritten with the modified PDF.	
6	Source Document	Document [Required]	The source document where the page number must be added.	Any valid Appian document.
7	Page Format Text	Text [Required]	The page format text to be written in the PDF.	A valid format string.
8	Start Page	Integer [Required]	The page to start from.	Any valid integer. Default: 1
9	Start Page Number	Integer [Required]	The count to start from.	Any valid integer. Default: 1
10	Page Number Font Size	Integer [Required]	The font size of the page number.	Any valid positive integer. Default: 10
11	Is Center	Boolean [Required]	Determines whether the page number is aligned at the center.	True or False Default: False
12	Is Left	Boolean [Required]	Determines whether the page number is aligned at the left.	True or False Default: False
13	Is Top	Boolean [Required]	Determines whether the page number is placed at the top.	True or False Default: False

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Add Image To PDF

This smart service allows us to add images to the source PDF document.

Parameters

Inputs

SI No	Parameter	Type	Description	Values
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1	Source Document	Document [Required]	The source document where the page number must be added.	Any valid Appian document.
2	Image	Document [Required]	The image document that must be added to the source PDF document.	Any valid Appian document. Must be a valid image file.
3	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
4	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
5	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
6	Page Number	Text [Required]	The page number where the image must be added in the PDF.	Must be a valid positive integer.
7	Width	Integer [Required]	The width of the inserted image.	Range: > 0
8	Height	Integer [Required]	The height of the inserted image.	Range: > 0
9	X-Coordinate	Integer [Required]	The horizontal coordinate in the page where the image must be inserted.	Can be any valid Integer
10	Y-Coordinate	Integer [Required]	The vertical coordinate in the page where the image must be inserted.	Can be any valid integer.
11	Is Insert Image All Page	Boolean [Required]	Determines whether to insert the image in all the pages	True or False Default: False

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.

3. Error Occured – Boolean value indicating whether any error has occurred.

Split PDF By Range

This smart service allows us to split the PDF by specific page ranges.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document from which the page range must be split.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Start Page	Integer [Required]	The start page from which the split has to be started.	A valid integer which is within the page count of the source PDF document.
6	End Page	Integer [Required]	The end page upto which the split has to be done.	A valid integer which is within the page count of the source PDF document.

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.

3. Error Occured – Boolean value indicating whether any error has occurred.

Split PDF By Number

This smart service allows us to split a specific page by number from the source PDF document.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document which the specified page must be split.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Page	Integer [Required]	Specifies the page number which must be split from the source PDF document.	A valid integer that is within the page number range of the source PDF document. Default 2

Output

1. New Document Created – The generated documents.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Split PDF By Specific Page

This smart service allows us to split the specified pages from the source PDF document.

Parameters

Inputs

Sl No	Parameter	Type	Description	Values
1	Source Document	Document [Required]	The source document which the specified page must be split.	Any valid Appian document.
2	New Document Name	Text [Required]	The name of the newly generated document.	A valid string. Ex: Test123 [valid]. No empty strings or strings with only 'space' must be provided.
3	New Document Desc	Text [Optional]	The description for the newly generated document.	A valid string.
4	Save In Folder	Folder [Required]	The Appian folder where the generated document must be stored.	A valid Appian folder.
5	Page Numbers	Integer - List [Required]	Specifies the page numbers which must be split from the source PDF document.	A valid integer list that is within the page number range of the source PDF document.

Output

1. New Document Created – The generated document.
2. Error Message – The error message if any will be returned here.
3. Error Occured – Boolean value indicating whether any error has occurred.

Note: Font Document parameters will support only True Type Fonts – ttf files. For using languages other than English as input to the Add Header and Footer and Add Watermark in PDF smart services, the ttf file supporting the character set of the said language has to be used.