

PDF Tools

This plugin provides various Appian Cloud compatible Smart Services and functions for managing PDF files. [Download](#) the plugin from AppMarket on Appian Community.

Configuring the Merge PDF Smart Service

Merge multiple PDF files into a new consolidated PDF. Documents are merged in the order they're provided.

Data Tab

Input	Data Type	Required	Multiple	Description
Create New Document	Boolean	Yes	No	Whether to create a new document, or update an existing one.
New Document Name	Text	No	No	If creating a new document, use this as the name.
New Document Desc	Text	No	No	If creating a new document, use this as the description.
Save In Folder	Folder	No	No	If creating a new document, save into this folder.

Input	Data Type	Required	Multiple	Description
Existing Document	Document	No	No	If not creating a new document, overwrite this one.
Documents	Document	Yes	Yes	The PDFs to merge together.
Pause On Error	Boolean	Yes	No	When set to false the process flow will continue when an error occurs.
Output	Data Type	Multiple	Description	
New Document Created	Document	No	A PDF of the merged Documents.	
Error Occurred	Boolean	No	Returns true if an error has occurred. Save this value to a process variable to enable exception processing on the subsequent activity in the process flow.	
Error Text	Text	No	Lists the text of the error message if one occurred.	

Configuring the Extract PDF Pages Smart Service

Extract a number of pages from an existing PDF into a new PDF.

Data Tab

Input	Data Type	Required	Multiple	Description
Create New Document	Boolean	Yes	No	Whether to create a new document, or update an existing one.
New Document Name	Text	No	No	If creating a new document, use this as the name.
New Document Desc	Text	No	No	If creating a new document, use this as the description.
Save In Folder	Folder	No	No	If creating a new document, save into this folder.
Existing Document	Document	No	No	If not creating a new document, overwrite this one.
Document	Document	Yes	No	The PDF to extract pages from.

Input	Data Type	Required	Multiple	Description
Start Page	Integer	Yes	No	The first page to extract. Must be equal or greater than 1.
End Page	Integer	Yes	No	The last page to extract. Must be equal or greater than Start Page.
Pause On Error	Boolean	Yes	No	When set to false the process flow will continue when an error occurs.
Output	Data Type	Multiple	Description	
New Document Created	Document	No	A PDF of the extracted pages.	
Error Occurred	Boolean	No	Returns true if an error has occurred. Save this value to a process variable to enable exception processing on the subsequent activity in the process flow.	
Error Text	Text	No	Lists the text of the error message if one occurred.	

Configuring the Fill PDF Smart Service

Populate a PDF form with the given values. Use the `getPdfFields` function to retrieve the existing PDF field names and values. PDF may be flattened to stop further edits being made to the form.

Data Tab

Input	Data Type	Required	Multiple	Description
Create New Document	Boolean	Yes	No	Whether to create a new document, or update an existing one.
New Document Name	Text	No	No	If creating a new document, use this as the name.
New Document Desc	Text	No	No	If creating a new document, use this as the description.
Save In Folder	Folder	No	No	If creating a new document, save into this folder.
Existing Document	Document	No	No	If not creating a new document, overwrite this one.
Document	Document	Yes	No	The PDF that contains the form to be filled.

Input	Data Type	Required	Multiple	Description
Pdf Fields	PdfField	Yes	Yes	The fields and values to populate.
Flatten	Boolean	Yes	No	Whether to make the generated PDF uneditable or not.
Pause On Error	Boolean	Yes	No	When set to false the process flow will continue when an error occurs.
Output	Data Type	Multiple	Description	
New Document Created	Document	No	A PDF with the form fields populated.	
Error Occurred	Boolean	No	Returns true if an error has occurred. Save this value to a process variable to enable exception processing on the subsequent activity in the process flow.	
Error Text	Text	No	Lists the text of the error message if one occurred.	

Configuring the Convert PDF To Image Smart Service

This Smart Service allows a PDF document be converted to an image of type JPG or PNG and specified resolution. JPG is the default format if no format is provided. 300dpi will be used as the default resolution if no resolution is provided. The service will create an array of new images in the specified folder.

Data Tab

Input	Data Type	Required	Multiple	Description
DPI Resolution	Integer	No	No	Resolution value in DPI. Default 300.
Image Format	Text	Yes	No	Format of the output images. Only JPG, PNG, MP_TIFF & TIFF values are supported. Default JPG. MP_TIFF will create a single multi-page TIFF document.
Folder	Folder	No	No	Save into this folder.
Document	Document	No	No	PDF document to be converted.
Output	Data Type	Multiple	Description	
Images Created	Document	Yes	An array of document types referencing the images created.	

Configuring the Compress PDF Smart Service

Compressed the JPG images in a PDF to reduce the total file size.

Data Tab

Input	Data Type	Required	Multiple	Description
Create New Document	Boolean	Yes	No	Whether to create a new document, or update an existing one.
New Document Name	Text	No	No	If creating a new document, use this as the name.
New Document Desc	Text	No	No	If creating a new document, use this as the description.
Save In Folder	Folder	No	No	If creating a new document, save into this folder.
Existing Document	Document	No	No	If not creating a new document, overwrite this one.
Document	Document	Yes	No	The PDF to compress.

Input	Data Type	Required	Multiple	Description
Quality	Integer	Yes	No	The quality in percent to use (0 - 100). Defaults to 50.
Pause On Error	Boolean	Yes	No	When set to false the process flow will continue when an error occurs.
Output	Data Type	Multiple	Description	
New Document Created	Document	No	The compressed PDF.	
Error Occurred	Boolean	No	Returns true if an error has occurred. Save this value to a process variable to enable exception processing on the subsequent activity in the process flow.	
Error Text	Text	No	Lists the text of the error message if one occurred.	

Configuring the Create PDF Smart Service

This Smart Service allows text to be added to a PDF with control over the position and style. An existing PDF can be updated or a new PDF can be created from scratch.

Data Tab

Input	Data Type	Required	Multiple	Description
Create New Document	Boolean	Yes	No	Whether to create a new document, or update an existing one.
New Document Name	Text	No	No	If creating a new document, use this as the name.
New Document Desc	Text	No	No	If creating a new document, use this as the description.
Save In Folder	Folder	No	No	If creating a new document, save into this folder.
Existing Document	Document	No	No	If not creating a new document, overwrite this one.
Document	Document	No	No	The PDF to populate with content. This is optional.

Input	Data Type	Required	Multiple	Description
Contents	PdfContent	Yes	Yes	Whether to make the generated PDF uneditable or not.
Pause On Error	Boolean	Yes	No	When set to false the process flow will continue when an error occurs.
Output	Data Type	Multiple	Description	
New Document Created	Document	No	A PDF with the form fields populated.	
Error Occurred	Boolean	No	Returns true if an error has occurred. Save this value to a process variable to enable exception processing on the subsequent activity in the process flow.	
Error Text	Text	No	Lists the text of the error message if one occurred.	

getPdfMetadata

Returns the PDF metadata attributes. (e.g page count, title, author, security, encryption, etc)

Syntax

```
getPdfMetadata(document)
```

- document: (Document) The PDF document to extract fields from.

getPdfText

Returns the text contained in the PDF.

Syntax

```
getPdfText(document)
```

- document: (Document) The PDF document to extract the text from.
- startPage: (Integer) The first page to start extracting from.
- endPage: (Integer) The last page to extract from.

getPdfFields

Returns an array of PdfField from the PDF.

Syntax

```
getPdfFields(document)
```

- document: (Document) The PDF document to extract fields from.

Data Types

PdfField

Attribute	Data Type	Multiple	Description
name	Text	No	The name of the PDF form field.
value	Text	No	The PDF form field value.

PdfContent

Attribute	Data Type	Multiple	Description
page	Integer	No	The page in the PDF to update. Multiple PdfContent can reference the same page. Use 0 to create a new page (default). Use -1 to apply this content to all pages.
xPercent	Decimal	No	The percentage to start displaying content from the left side of the document in percent. Defaults to 5.
yPercent	Decimal	No	The percentage to start displaying content from the bottom of the document in percent. Defaults to 95 (e.g 5% from the top).
angle	Decimal	No	The angle of the content (e.g 0 - 360)
sections	PdfSection	Yes	The sections to display one after the other.

PdfSection

Attribute	Data Type	Multiple	Description
style	PdfStyle	No	The default style to apply to components.
components	Any Type	Yes	Any number of PdfText and PdfImage

PdfStyle

Attribute	Data Type	Multiple	Description
font	Text	No	The font name. Defaults to Helvetica.
fontSize	Decimal	No	The font size. Defaults to 12.
color	PdfColor	No	The text color in RGB. Defaults to black.

PdfColor

Attribute	Data Type	Multiple	Description
r	Integer	No	The amount of Red. Defaults to 0, max 255.
g	Integer	No	The amount of Green. Defaults to 0, max 255.
b	Integer	No	The amount of Blue. Defaults to 0, max 255.

PdfText

Attribute	Data Type	Multiple	Description
style	PdfStyle	No	The style for this component.
value	Text	No	The text to output to the PDF. Supported auto-replace keywords: \$pageNum, \$numPages

PdfImage

Attribute	Data Type	Multiple	Description
document	Document	No	The image document. Supported types: png, jpg, bmp and gif
quality	Integer	No	The quality in percent to store the image as.
scale	Decimal	No	The size of the image. If blank, the image will automatically be scaled down to fit onto the page. 1.0 = normal size, 2.0 = twice the size, 0.5 = half the size, etc