

sign pro PDF API Demo app for Android

sign pro PDF for Android can be called from another app along with some JSON parameters to automate operations.

JSON format

File

Can specify HTTP or Filesystem

Input


Key	Example Value	Type	Description
filesystem	content://com.android.providers.downloads.documents/document/16	String	Uri string to PDF to open
http_get	http://pdf_server.com/pdfs/test.pdf	String	Absolute URL to an http server providing PDFs via GET

It is mandatory to add a valid input value.

Output

Key	Example Value	Type	Description
filesystem	content://com.android.providers.downloads.documents/document/16	String	Uri string to a document in which the PDF will be saved.
http_post	http://pdf_server.com/pdfs/test.pdf	String	Absolute URL to an http server receiving the PDF via POST (pdf as body).

It is not mandatory to define an output value. In case the output value is not defined sign pro PDF will ask for a valid URL to save when closing.

 Select output file from sign pro PDF app

Authentication

Key	Example Value	Type	Description
pdf_user_password	pass123	String	User password for opening PDF, this is applied when opening password protected PDFs

http_user Key	Example Value	String Type	HTTP Basic Authentication Username Description
http_pass	pass456	String	HTTP Basic Authentication Password

Configuration

Key	Example Value	Type	Description
show_annotate	true	Boolean	Allow freehand annotation on the document
show_manual_signature	false	Boolean	Allow manual placement of signature fields (ie no predefined fields are present and none are added via the API)
process_text_tags	true	Boolean	Specify whether embedded Text Tags should be processed or not. If true, Signatures and Initials provided by the API will be ignored.

Signatures

Array of signatures to pre-define in document.

Signature

Key	Example Value	Type	Description
name	Signature_1	String	Name of signature field (must be unique)
signer	John Smith	String	Signatory Name
reason	Agreement	String	Signatory Reason
biometric	true	Boolean	Specify if the signature requires biometric data. In this case only signing with stylus will be allowed)
required	false	Boolean	Specify whether completion of this signature is required before the document can be completed.
location	...	Location	See Location table below
image	...	Image	See Image table below
certificate	...	Certificate	See Certificate table below

Note that the pre-defined signature and reason will prevent any further changes at runtime.

Initials

Array of initials to pre-define in document.

Initial

Key	Example Value	Type	Description
name	Initial_1	String	Name of initial field (must be unique)
signer	John Smith	String	Signatory Name
reason	Agreement	String	Signatory Reason
biometric	true	Boolean	Specify if the signature requires biometric data. In this case only signing with stylus will be allowed)
required	false	Boolean	Specify whether completion of this signature is required before the document can be completed.
location	...	Location	See Location table below
image	...	Image	See Image table below
certificate	...	Certificate	See Certificate table below

Location

Key	Example Value	Type	Description
Page	1:2:3 1-7 1:2:5-9	String	Defines which Page(s) the object should exist on. Can define ranges eg "1-3" or individual pages eg "1:3:5:7". If Location is set but Page is not, Object will repeat on every page.
X	234	Int	Horizontal coordinate for Object origin. In default PDF units, from left.
Y	22	Int	Vertical coordinate for Object origin. In default PDF units, from bottom.
W	200	Int	Width of Object, in default PDF units.
H	50	Int	Height of Object, in default PDF units.

Image

An image can be used for the signature. In this case instead of capturing handwritten data the image will be used.

Key	Example Value	Type	Description
file_path	content://com.android.providers.downloads.documents/document/16	String	Uri to the image to be used as signature
width	234	Int	Width of the image.
height	200	Int	Height of the image.

Certificate

A certificate in pkcs12 format can be defined for document signing. If a certificate is not defined the certificate selected in the sign pro PDF app will be used.

Key	Example Value	Type	Description
keystore_path	content://com.android.providers.downloads.documents/document/16	String	Uri to the certificate to be used
keystore_password	123456	String	Password of the certificate

Text Fields

Array of text fields to pre-define in document

Text

Key	Example Value	Type	Description
name	text_1	String	Name of text field (must be unique)
value	John Smith	String	Pre-filled default value of text field
location	...	Location	See Location table

Checkboxes

Array of checkboxes to pre-define in document

Checkbox

Key	Example Value	Type	Description
name	checkbox_1	String	Name of checkbox field (must be unique)
value	true	Boolean	true or false, whether the box should be checked by default
location	...	Location	See Location table

```
{
  "file": {
```

```
"input": {
  "filesystem":
"content://com.android.providers.downloads.documents/document/msf%3A52"
},
"output": {
  "filesystem":
"content://com.android.providers.downloads.documents/document/msf%3A53"
},
"authentication": {
  "pdf_user_password": "pass",
  "http_user": null,
  "http_password": null
}
},
"configuration": {
  "show_annotate": false,
  "show_manual_signature": false,
  "process_text_tags": false
},
"signatures": [
{
  "name": "signature_1",
  "signer": "John Smith",
  "reason": "Agreement",
  "biometric": true,
  "required": true,
  "location": {
    "Page": "1",
    "X": 123,
    "Y": 456,
    "W": 50,
    "H": 200
  }
},
{
  "name": "s2",
  "signer": "John Smith",
  "reason": "Agreement",
  "biometric": true,
  "required": false,
  "location": {
    "Page": "1",
    "X": 175,
    "Y": 450,
    "W": 200,
    "H": 260
  }
}],
"textfields": [
{
  "name": "text1",
  "location": {
    "Page": "1",
    "X": 200,
    "Y": 600,
    "W": 150,
    "H": 44
  }
}
```

```
},
{
  "name": "text2",
  "value": "testing",
  "location": {
    "Page": "3",
    "X": 200,
    "Y": 600,
    "W": 150,
    "H": 44
  }
}],
"initials": null
}
```

Text Tag

When opened via the API, documents containing embedded Text Tags adhering to the schema will be processed and the resulting objects placed according to their text position.

TextTags must be enclosed with {{{ and }}} .

There must be no spaces between Keys.

Tags can be as small as the PDF creator will allow, or indeed the same colour as the background but they must exist in the main body of the document. Not in annotations, sticky notes, form fields etc.

Default

All Tags have these features. So even if not defined below, the tag should have these:

Key	Optional	Description	Example
Type	No	Defines the tag. Each has a specific name.	Type=Signature
Name	No	The Name of the tag for IDML. For tags that occur on multiple pages, an integer is appended for each page it occurs on. Ex. ApprovalSignature1,ApprovalSignature2,...	Name=ApprovalSignature
Required	Yes	Boolean that states whether filling this field is required to finalize the document. 'true' or 'false' MUST be lowercase. Checkboxes cannot be marked required.	See Location table
X	Yes	Define the horizontal location of the converted object. In PDF Units, Left Origin. If this is not set, the location of the TextTag itself will be used.	X=350
Y	Yes	Define the vertical location of the converted object. In PDF Units, Bottom Origin. If this is not set, the location of the TextTag itself will be used.	Y=150
Page	Yes	Defines which Page(s) the tag should exist on. Can define ranges eg "1-3" or individual pages eg "1:3:5:7". Page ranges must be enclosed in quotation marks "". Ignored if Location is not set. If Location is set but Page is not, Object will repeat on every page.	Page="1:2:3" Page="1-7" Page="1:2:5-9"
W	No	Defines the width of the control, if not set it will get a default size	W=250
H	No	Defines the height of the control, if not set it will get a default size	H=72

Signature

The Signature Tag should be able to place a signature

Key	Optional	Description	Example
Type=Signature	No	Defines the Signature Tag	
Signer	Yes	Defines the name of the signer.	Type=Signature,Signer=Aaron Johnson
Reason	Yes	Defines the reason for signing.	Type=Signature,Reason=Approval
Biometric	Yes	True/False whether Biometric metadata should be included in the document.	Type=Signature,Signer=Aaron Johnson,Biometric=False

Here is a full example signature tag that might be inline in a PDF document.

```
{{[[Type=Signature,Name=ApprovalSignature,Signer=Aaron Johnson,Reason=Approval,Height=80,Width=250]]}}
```

Note that the pre-defined signature and reason will prevent any further changes at runtime.

Initial

The Initial Tag should be able to place an initials box.

Key	Optional	Description	Example
Type=Initial	No	Defines the Initial Tag	
Signer	Yes	Defines the name of the signer.	Type=Initial,Signer=Aaron Johnson
Reason	Yes	Defines the reason for signing.	Type=Initial,Reason=Approval
Biometric	Yes	True/False whether Biometric metadata should be included in the document.	Type=Initial,Signer=Aaron Johnson,Biometric=False

Here is a full example initial tag, to insert initials boxes in each bottom left corner 1" in.

```
{{[[Type=Initial,Name=InitialsTest,Signer=Aaron Johnson,Reason=Approval,X=72,Y=72,Height=60,Width=60]]}}
```

Text

Key	Optional	Description
Type=Text	No	Defines the TextTag
Value	Yes	Populate the text field with a default text string.

Example

```
{{[[Type=Text,Name=FirstName,Value=Chris,Width=200,Height=50]]}}
```

Checkbox

Key	Optional	Description
Type=Checkbox	No	Defines the TextTag
Value	Yes	Select the checkbox by default. Acceptable values are 'true' or 'false'

```
{{[[Type=Checkbox,Name=Primary,Value=true]]}}
```